The Long-Term Stability of the Human Gut Microbiota

Science

341, 1237439

DOI: 10.1126/science.1237439

Citation Report

#	Article	IF	Citations
1	Practical innovations for high-throughput amplicon sequencing. Nature Methods, 2013, 10, 999-1002.	19.0	787
2	Metabolic Disease Puts Up a Fight: Microbes, metabolism and medications. Nature Medicine, 2013, 19, 1218-1219.	30.7	8
3	Sequencing the human microbiome in health and disease. Human Molecular Genetics, 2013, 22, R88-R94.	2.9	123
4	Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. Science, 2013, 341, 1241214.	12.6	3,006
5	Emerging Aspects of Food and Nutrition on Gut Microbiota. Journal of Agricultural and Food Chemistry, 2013, 61, 9559-9574.	5.2	40
6	Microbiota regulation of inflammatory bowel disease and colorectal cancer. Seminars in Cancer Biology, 2013, 23, 543-552.	9.6	45
7	Interactions between Nod-Like Receptors and Intestinal Bacteria. Frontiers in Immunology, 2013, 4, 462.	4.8	30
8	Effects of Diet on Resource Utilization by a Model Human Gut Microbiota Containing Bacteroides cellulosilyticus WH2, a Symbiont with an Extensive Glycobiome. PLoS Biology, 2013, 11, e1001637.	5.6	244
9	The primate vaginal microbiome: Comparative context and implications for human health and disease. American Journal of Physical Anthropology, 2013, 152, 119-134.	2.1	115
10	Gnotobiotic mouse model of phageâ€“bacterial host dynamics in the human gut. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20236-20241.	7.1	305
12	Gut Microbiota Signatures Predict Host and Microbiota Responses to Dietary Interventions in Obese Individuals. PLoS ONE, 2014, 9, e90702.	2.5	163
13	The Personal Human Oral Microbiome Obscures the Effects of Treatment on Periodontal Disease. PLoS ONE, 2014, 9, e86708.	2.5	79
14	Seasonal Variation in Human Gut Microbiome Composition. PLoS ONE, 2014, 9, e90731.	2.5	246
15	Deep Illumina-Based Shotgun Sequencing Reveals Dietary Effects on the Structure and Function of the Fecal Microbiome of Growing Kittens. PLoS ONE, 2014, 9, e101021.	2.5	45
16	From lifetime to evolution: timescales of human gut microbiota adaptation. Frontiers in Microbiology, 2014, 5, 587.	3.5	91
17	The Importance of Microbiota and Host Interactions Throughout Life. , 2014, , 489-511.		0
18	Heterogeneity across the murine small and large intestine. World Journal of Gastroenterology, 2014, 20, 15216.	3.3	64
19	Unraveling the ties between irritable bowel syndrome and intestinal microbiota. World Journal of Gastroenterology, 2014, 20, 2470.	3.3	67

#	Article	IF	Citations
20	Maternally acquired genotoxicEscherichia colialters offspringâ€™s intestinal homeostasis. Gut Microbes, 2014, 5, 313-512.	9.8	72
21	Emerging science of the human microbiome. Gut Microbes, 2014, 5, 446-457.	9.8	46
22	Modulating the microbiota in inflammatory bowel diseases: prebiotics, probiotics or faecal transplantation?. Proceedings of the Nutrition Society, 2014, 73, 490-497.	1.0	34
23	An antimicrobial protein of the gut symbiont <scp>B</scp>acteroides fragilis with a <scp>MACPF</scp> domain of host immune proteins. Molecular Microbiology, 2014, 94, 1361-1374.	2.5	70
24	Faecal microbiota transplantation: from practice to legislation before considering industrialization. Clinical Microbiology and Infection, 2014, 20, 1112-1118.	6.0	26
25	Metagenomic Data Utilization and Analysis (MEDUSA) and Construction of a Global Gut Microbial Gene Catalogue. PLoS Computational Biology, 2014, 10, e1003706.	3.2	55
26	Diet and the development of the human intestinal microbiome. Frontiers in Microbiology, 2014, 5, 494.	3.5	391
27	The contributory role of gut microbiota in cardiovascular disease. Journal of Clinical Investigation, 2014, 124, 4204-4211.	8.2	519
28	Bifidobacteria-Host Interactionsâ€"An Update on Colonisation Factors. BioMed Research International, 2014, 2014, 1-10.	1.9	45
29	Hidden Diversity in Honey Bee Gut Symbionts Detected by Single-Cell Genomics. PLoS Genetics, 2014, 10, e1004596.	3.5	131
30	The potential for give and take in plantÃ¢â‚¬â€œmicrobiome relationships. Frontiers in Plant Science, 2014, 5, 287.	3.6	106
31	The Dynamic Interactions between Salmonella and the Microbiota, within the Challenging Niche of the Gastrointestinal Tract. International Scholarly Research Notices, 2014, 2014, 1-23.	0.9	25
32	Retroviral Vectors for Analysis of Viral Mutagenesis and Recombination. Viruses, 2014, 6, 3612-3642.	3.3	4
33	Evidence of Extensive DNA Transfer between Bacteroidales Species within the Human Gut. MBio, 2014, 5, e01305-14.	4.1	126
34	Efficient utilization of complex N-linked glycans is a selective advantage for Bacteroides fragilis in extraintestinal infections. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12901-12906.	7.1	59
35	The Intestinal Microbiota in Inflammatory Bowel Diseases. Nestle Nutrition Institute Workshop Series, 2014, 79, 29-39.	0.1	33
36	Correlates of gut community composition across an ant species (<scp>C</scp>ephalotes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 107 1284-1300.	3.9	82
37	Emerging role of probiotics and antimicrobials in the management of irritable bowel syndrome. Current Medical Research and Opinion, 2014, 30, 1405-1415.	1.9	18

#	Article	IF	Citations
38	Diet and Feeding Pattern Affect the Diurnal Dynamics of the Gut Microbiome. Cell Metabolism, 2014, 20, 1006-1017.	16.2	655
39	Metabolome and fecal microbiota in monozygotic twin pairs discordant for weight: a Big Mac challenge. FASEB Journal, 2014, 28, 4169-4179.	0.5	30
40	Small RNAs from plants, bacteria and fungi within the order Hypocreales are ubiquitous in human plasma. BMC Genomics, 2014, 15, 933.	2.8	64
41	Smoking Cessation Alters Intestinal Microbiota. Inflammatory Bowel Diseases, 2014, 20, 1496-1501.	1.9	142
42	The Health Advantage of a Vegan Diet: Exploring the Gut Microbiota Connection. Nutrients, 2014, 6, 4822-4838.	4.1	175
43	Identifying Gut Microbeâ€“Host Phenotype Relationships Using Combinatorial Communities in Gnotobiotic Mice. Science Translational Medicine, 2014, 6, 220ra11.	12.4	325
44	Inflammation and colorectal cancer, when microbiota-host mutualism breaks. World Journal of Gastroenterology, 2014, 20, 908.	3.3	176
45	Characterization of bacterial community shift in human Ulcerative Colitis patients revealed by Illumina based 16S rRNA gene amplicon sequencing. Gut Pathogens, 2014, 6, 22.	3.4	84
46	Host lifestyle affects human microbiota on daily timescales. Genome Biology, 2014, 15, R89.	9.6	735
47	Bugs versus Bugs: Probiotics, Microbiome and Allergy. International Archives of Allergy and Immunology, 2014, 163, 165-167.	2.1	8
48	The dynamic microbiome. FEBS Letters, 2014, 588, 4131-4139.	2.8	173
49	Review article: bacteria and pathogenesis of disease in the upper gastrointestinal tract â€“ beyond the era of Helicobacter pylori. Alimentary Pharmacology and Therapeutics, 2014, 39, 767-779.	3.7	87
50	Role of the Microbiome in Energy Regulation and Metabolism. Gastroenterology, 2014, 146, 1525-1533.	1.3	354
51	Role of the enteric microbiota in intestinal homeostasis and inflammation. Free Radical Biology and Medicine, 2014, 68, 122-133.	2.9	147
52	Microbial composition analysis ofClostridium difficileinfections in an ulcerative colitis patient treated with multiple fecal microbiota transplantations. Journal of Crohn's and Colitis, 2014, 8, 1133-1137.	1.3	21
53	Nature's microbiome: introduction. Molecular Ecology, 2014, 23, 1225-1237.	3.9	36
54	Microbial Enterotypes, Inferred by the Prevotella-to-Bacteroides Ratio, Remained Stable during a 6-Month Randomized Controlled Diet Intervention with the New Nordic Diet. Applied and Environmental Microbiology, 2014, 80, 1142-1149.	3.1	142
55	Social attraction mediated by fruit flies' microbiome. Journal of Experimental Biology, 2014, 217, 1346-1352.	1.7	105

#	Article	IF	Citations
56	A role for the gut microbiota in IBS. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 497-505.	17.8	304
57	Gut microbiota and liver disease. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 1139-1148.	2.8	84
58	Individualized Medicine from Prewomb to Tomb. Cell, 2014, 157, 241-253.	28.9	247
59	Altered Fecal Microbiota Composition Associated with Food Allergy in Infants. Applied and Environmental Microbiology, 2014, 80, 2546-2554.	3.1	295
60	Stability and phylogenetic correlation in gut microbiota: lessons from ants and apes. Molecular Ecology, 2014, 23, 1268-1283.	3.9	276
61	Gut microbiota in older subjects: variation, health consequences and dietary intervention prospects. Proceedings of the Nutrition Society, 2014, 73, 441-451.	1.0	33
62	Prebiotic and probiotic supplementation prevents rhinovirus infections in preterm infants: AÂrandomized, placebo-controlled trial. Journal of Allergy and Clinical Immunology, 2014, 133, 405-413.	2.9	234
63	Î³-Butyrobetaine Is a Proatherogenic Intermediate in Gut Microbial Metabolism of L-Carnitine to TMAO. Cell Metabolism, 2014, 20, 799-812.	16.2	416
64	The Microbiota, Chemical Symbiosis, and Human Disease. Journal of Molecular Biology, 2014, 426, 3877-3891.	4.2	42
65	IBD across the age spectrumâ€"is it the same disease?. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 88-98.	17.8	183
66	Transkingdom Control of Microbiota Diurnal Oscillations Promotes Metabolic Homeostasis. Cell, 2014, 159, 514-529.	28.9	984
67	Urban microbiomes and urban ecology: How do microbes in the built environment affect human sustainability in cities?. Journal of Microbiology, 2014, 52, 721-728.	2.8	41
68	An evolving perspective about the origins of childhood undernutrition and nutritional interventions that includes the gut microbiome. Annals of the New York Academy of Sciences, 2014, 1332, 22-38.	3.8	57
69	The Gut Microbiome, Kidney Disease, and Targeted Interventions. Journal of the American Society of Nephrology: JASN, 2014, 25, 657-670.	6.1	553
70	Microbial Determinants of Biochemical Individuality and Their Impact on Toxicology and Pharmacology. Cell Metabolism, 2014, 20, 761-768.	16.2	53
71	Finding the Missing Links among Metabolites, Microbes, and the Host. Immunity, 2014, 40, 824-832.	14.3	256
72	Reset of a critically disturbed microbial ecosystem: faecal transplant in recurrent Clostridium difficile infection. ISME Journal, 2014, 8, 1621-1633.	9.8	172
73	Conducting a Microbiome Study. Cell, 2014, 158, 250-262.	28.9	625

#	Article	IF	Citations
74	A Type VI Secretion-Related Pathway in Bacteroidetes Mediates Interbacterial Antagonism. Cell Host and Microbe, 2014, 16, 227-236.	11.0	311
75	Patterned progression of bacterial populations in the premature infant gut. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12522-12527.	7.1	449
76	Megasphaera indica sp. nov., an obligate anaerobic bacteria isolated from human faeces. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2250-2256.	1.7	49
77	Getting Started with Microbiome Analysis: Sample Acquisition to Bioinformatics. Current Protocols in Human Genetics, 2014, 82, 18.8.1-29.	3.5	111
78	MT-Toolbox: improved amplicon sequencing using molecule tags. BMC Bioinformatics, 2014, 15, 284.	2.6	22
79	Fecal microbiome analysis as a diagnostic test for diverticulitis. European Journal of Clinical Microbiology and Infectious Diseases, 2014, 33, 1927-1936.	2.9	102
80	Recent insight in Î±-glucan metabolism in probiotic bacteria. Biologia (Poland), 2014, 69, 713-721.	1.5	19
81	An integrated catalog of reference genes in the human gut microbiome. Nature Biotechnology, 2014, 32, 834-841.	17.5	1,664
82	The gut microbiota, dietary extremes and exercise. Gut, 2014, 63, 1838-1839.	12.1	41
83	The Microbiota, the Immune System and the Allograft. American Journal of Transplantation, 2014, 14, 1236-1248.	4.7	53
84	Rethinking â€œEnterotypesâ€• Cell Host and Microbe, 2014, 16, 433-437.	11.0	321
85	Analyzing the Human Microbiome: A â€œHow Toâ€•guide for Physicians. American Journal of Gastroenterology, 2014, 109, 983-993.	0.4	69
86	Persistent gut microbiota immaturity in malnourished Bangladeshi children. Nature, 2014, 510, 417-421.	27.8	1,019
87	What Is the Value of a Food and Drug Administration Investigational New Drug Application for Fecal Microbiota Transplantation to Treat Clostridium difficile Infection?. Clinical Gastroenterology and Hepatology, 2014, 12, 289-291.	4.4	18
88	An Ecological Network of Polysaccharide Utilization among Human Intestinal Symbionts. Current Biology, 2014, 24, 40-49.	3.9	336
89	Personalized therapy with probiotics from the host by TripleA. Trends in Biotechnology, 2014, 32, 291-293.	9.3	13
90	Mining the Human Gut Microbiota for Effector Strains that Shape the Immune System. Immunity, 2014, 40, 815-823.	14.3	104
91	Mode of Delivery Shapes Gut Colonization Pattern and Modulates Regulatory Immunity in Mice. Journal of Immunology, 2014, 193, 1213-1222.	0.8	76

#	Article	IF	Citations
92	Intestinal IgA production and its role in hostâ€•microbe interaction. Immunological Reviews, 2014, 260, 76-85.	6.0	227
93	Genetically identical co-housed pigs as models for dietary studies of gut microbiomes. Microbiome Science and Medicine, 2014, 1, .	0.3	3
94	Systems Biology Approaches for Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2014, 20, 2104-2114.	1.9	32
96	Reduction of butyrate- and methane-producing microorganisms in patients with Irritable Bowel Syndrome. Scientific Reports, 2015, 5, 12693.	3.3	248
97	The commensal infant gut meta-mobilome as a potential reservoir for persistent multidrug resistance integrons. Scientific Reports, 2015, 5, 15317.	3.3	32
98	Application of density gradient for the isolation of the fecal microbial stool component and the potential use thereof. Scientific Reports, 2015, 5, 16807.	3.3	44
99	Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats. Scientific Reports, 2015, 5, 14405.	3.3	499
100	Microbial Community Analysis Using High-Throughput Amplicon Sequencing. , 2015, , 2.4.2-1-2.4.2-26.		4
101	Studying the Mammalian Intestinal Microbiome Using Animal Models. , 0, , 4.4.2-1-4.4.2-10.		1
102	Diversity of key players in the microbial ecosystems of the human body. Scientific Reports, 2015, 5, 15920.	3.3	30
103	Confusion about the species richness of human gut microbiota. Beneficial Microbes, 2015, 6, 657-659.	2.4	18
104	Allergie und das Mikrobiom des Darms â€“ Teil 1. Deutsche Zeitschrift FÃ¼r Akupunktur, 2015, 58, 22-26.	0.1	1
105	Diarrhoeagenic Escherichia coli in mother-child Pairs in Ile-Ife, South Western Nigeria. BMC Infectious Diseases, 2015, 16, 28.	2.9	28
106	Gut microbiota and allogeneic transplantation. Journal of Translational Medicine, 2015, 13, 275.	4.4	71
107	Gut metabolites and bacterial community networks during a pilot intervention study with flaxseeds in healthy adult men. Molecular Nutrition and Food Research, 2015, 59, 1614-1628.	3.3	95
108	The intestinal microbiome and health. Current Opinion in Infectious Diseases, 2015, 28, 464-470.	3.1	136
109	Draft Genome Sequence of Bacteroidales Strain TBC1, a Novel Isolate from a Methanogenic Wastewater Treatment System. Genome Announcements, 2015, 3, .	0.8	4
110	Dysbiosis. Journal of Clinical Gastroenterology, 2015, 49, S20-S24.	2.2	23

#	Article	IF	Citations
111	Pawnobiome: manipulation of the hologenome within one host generation and beyond. Frontiers in Microbiology, 2015, 6, 697.	3.5	17
112	Primer and platform effects on 16S rRNA tag sequencing. Frontiers in Microbiology, 2015, 6, 771.	3.5	435
113	Manipulating rumen microbiome and fermentation through interventions during early life: a review. Frontiers in Microbiology, 2015, 6, 1133.	3.5	221
114	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. Frontiers in Microbiology, 2015, 6, 1408.	3.5	106
115	Challenges with Using Primer IDs to Improve Accuracy of Next Generation Sequencing. PLoS ONE, 2015, 10, e0119123.	2.5	27
116	Integrated Community Profiling Indicates Long-Term Temporal Stability of the Predominant Faecal Microbiota in Captive Cheetahs. PLoS ONE, 2015, 10, e0123933.	2.5	10
117	Patterns of Gut Bacterial Colonization in Three Primate Species. PLoS ONE, 2015, 10, e0124618.	2.5	50
118	A Phase 1 Randomized, Open Label, Rectal Safety, Acceptability, Pharmacokinetic, and Pharmacodynamic Study of Three Formulations of Tenofovir 1% Gel (the CHARM-01 Study). PLoS ONE, 2015, 10, e0125363.	2.5	53
119	Bacterial Composition of the Human Upper Gastrointestinal Tract Microbiome Is Dynamic and Associated with Genomic Instability in a Barrettâ€™s Esophagus Cohort. PLoS ONE, 2015, 10, e0129055.	2.5	107
120	The Multifaceted Role of Commensal Microbiota in Homeostasis and Gastrointestinal Diseases. Journal of Immunology Research, 2015, 2015, 1-14.	2.2	33
121	Toward Enteral Nutrition in the Treatment of Pediatric Crohn Disease in Canada: A Workshop to Identify Barriers and Enablers. Canadian Journal of Gastroenterology and Hepatology, 2015, 29, 351-356.	1.9	41
122	Pathological and therapeutic interactions between bacteriophages, microbes and the host in inflammatory bowel disease. World Journal of Gastroenterology, 2015, 21, 11321.	3.3	33
123	Application of metagenomics in the human gut microbiome. World Journal of Gastroenterology, 2015, 21, 803.	3.3	292
124	Metagenomics meets time series analysis: unraveling microbial community dynamics. Current Opinion in Microbiology, 2015, 25, 56-66.	5.1	345
125	The Bamboo-Eating Giant Panda Harbors a Carnivore-Like Gut Microbiota, with Excessive Seasonal Variations. MBio, 2015, 6, e00022-15.	4.1	282
126	The composition of the gut microbiota throughout life, with an emphasis on early life. Microbial Ecology in Health and Disease, 2015, 26, 26050.	3.5	766
127	Marked seasonal variation in the wild mouse gut microbiota. ISME Journal, 2015, 9, 2423-2434.	9.8	282
128	Species-Specific Dynamic Responses of Gut Bacteria to a Mammalian Glycan. Journal of Bacteriology, 2015, 197, 1538-1548.	2.2	34

#	Article	IF	Citations
129	Regulation and Function of Mucosal IgA and IgD. , 2015, , 683-700.		1
130	Microbiota and Host Nutrition across Plant and Animal Kingdoms. Cell Host and Microbe, 2015, 17, 603-616.	11.0	628
131	Temporal and technical variability of human gut metagenomes. Genome Biology, 2015, 16, 73.	8.8	143
132	The Pyromaniac Inside You: Salmonella Metabolism in the Host Gut. Annual Review of Microbiology, 2015, 69, 31-48.	7.3	128
133	Elucidating microbial codes to distinguish individuals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6778-6779.	7.1	6
134	Human seroreactivity to gut microbiota antigens. Journal of Allergy and Clinical Immunology, 2015, 136, 1378-1386.e5.	2.9	48
135	Characterizing the Interactions between a Naturally Primed Immunoglobulin A and Its Conserved Bacteroides thetaiotaomicron Species-specific Epitope in Gnotobiotic Mice. Journal of Biological Chemistry, 2015, 290, 12630-12649.	3.4	52
136	Intestinal microbiota and its relationship with necrotizing enterocolitis. Pediatric Research, 2015, 78, 232-238.	2.3	117
137	The Newest â€œOmicsâ€â€”Metagenomics and Metabolomicsâ€”Enter the Battle against the Neglected Tropical Diseases. PLoS Neglected Tropical Diseases, 2015, 9, e0003382.	3.0	44
138	Human Colon-Derived Soluble Factors Modulate Gut Microbiota Composition. Frontiers in Oncology, 2015, 5, 86.	2.8	5
139	Review article: dietary fibre-microbiota interactions. Alimentary Pharmacology and Therapeutics, 2015, 42, 158-179.	3.7	430
140	In silico identification of bacteriocin gene clusters in the gastrointestinal tract, based on the Human Microbiome Projectâ€™s reference genome database. BMC Microbiology, 2015, 15, 183.	3.3	112
141	The Rebirth of Culture in Microbiology through the Example of Culturomics To Study Human Gut Microbiota. Clinical Microbiology Reviews, 2015, 28, 237-264.	13.6	605
142	New Molecular Techniques to Study the Skin Microbiota of Diabetic Foot Ulcers. Advances in Wound Care, 2015, 4, 38-49.	5.1	63
143	Antimicrobial peptide resistance mediates resilience of prominent gut commensals during inflammation. Science, 2015, 347, 170-175.	12.6	333
144	Early life events influence whole-of-life metabolic health via gut microflora and gut permeability. Critical Reviews in Microbiology, 2015, 41, 326-340.	6.1	97
145	Temporal patterns of rarity provide a more complete view of microbial diversity. Trends in Microbiology, 2015, 23, 335-340.	7.7	124
146	High-Throughput Metagenomic Technologies for Complex Microbial Community Analysis: Open and Closed Formats. MBio, 2015, 6, .	4.1	357

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147	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. Cell Host and Microbe, 2015, 17, 260-273.	11.0	1,008
148	The involvement of gut microbiota in inflammatory bowel disease pathogenesis: Potential for therapy. , 2015, 149, 191-212.		139
149	Identifying strains that contribute to complex diseases through the study of microbial inheritance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 633-640.	7.1	63
150	Similarities and seasonal variations in bacterial communities from the blood of rodents and from their flea vectors. ISME Journal, 2015, 9, 1662-1676.	9.8	31
151	Divergence across diet, time and populations rules out parallel evolution in the gut microbiomes of Trinidadian guppies. ISME Journal, 2015, 9, 1508-1522.	9.8	133
152	Greater than the sum of their parts: characterizing plant microbiomes at the community-level. Current Opinion in Plant Biology, 2015, 24, 82-86.	7.1	93
153	Dietary effects on human gut microbiome diversity. British Journal of Nutrition, 2015, 113, S1-S5.	2.3	350
154	Fecal microbiota transplantation forClostridium difficileinfection: back to the future. Expert Opinion on Biological Therapy, 2015, 15, 1001-1014.	3.1	16
155	Gut microbiota trajectory in pediatric patients undergoing hematopoietic SCT. Bone Marrow Transplantation, 2015, 50, 992-998.	2.4	111
156	Specific gut microbiota features and metabolic markers in postmenopausal women with obesity. Nutrition and Diabetes, 2015, 5, e159-e159.	3.2	206
157	The gut microbiota in human energy homeostasis and obesity. Trends in Endocrinology and Metabolism, 2015, 26, 493-501.	7.1	350
158	Metagenomics: A New Frontier for Translational Research and Personalized Therapeutics in Psychiatry?. Biological Psychiatry, 2015, 77, 600-601.	1.3	0
159	The oral and gut microbiomes are perturbed in rheumatoid arthritis and partly normalized after treatment. Nature Medicine, 2015, 21, 895-905.	30.7	1,306
160	Microbiology and Ecology Are Vitally Important to Premedical Curricula. Evolution, Medicine and Public Health, 2015, 2015, eov014.	2.5	5
161	Programming a Human Commensal Bacterium, Bacteroides thetaiotaomicron, to Sense and Respond to Stimuli in the Murine Gut Microbiota. Cell Systems, 2015, 1, 62-71.	6.2	267
162	Immuneâ€“microbiota interactions in health and disease. Clinical Immunology, 2015, 159, 122-127.	3.2	245
163	Influence of the microbiome on response to vaccination. Human Vaccines and Immunotherapeutics, 2015, 11, 2329-2331.	3.3	29
164	Inter- and intra-individual variations in seasonal and daily stabilities of the human gut microbiota in Japanese. Archives of Microbiology, 2015, 197, 919-934.	2.2	115

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165	Proteobacteria: microbial signature of dysbiosis in gut microbiota. Trends in Biotechnology, 2015, 33, 496-503.	9.3	2,453
166	Engineering the Microbiome: a Novel Approach to Immunotherapy for Allergic and Immune Diseases. Current Allergy and Asthma Reports, 2015, 15, 39.	5.3	13
167	Dynamics of the nasal microbiota in infancy: A prospective cohort study. Journal of Allergy and Clinical Immunology, 2015, 135, 905-912.e11.	2.9	99
168	Preterm infant gut colonization in the neonatal ICU and complete restoration 2 years later. Clinical Microbiology and Infection, 2015, 21, 936.e1-936.e10.	6.0	57
169	Sequencing and beyond: integrating molecular 'omics' for microbial community profiling. Nature Reviews Microbiology, 2015, 13, 360-372.	28.6	544
170	A day in the life of the meta-organism: diurnal rhythms of the intestinal microbiome and its host. Gut Microbes, 2015, 6, 137-142.	9.8	59
171	Helsinki alert of biodiversity and health. Annals of Medicine, 2015, 47, 218-225.	3.8	95
172	The microbiome of uncontacted Amerindians. Science Advances, 2015, 1, .	10.3	721
173	The gut microbiome in cardio-metabolic health. Genome Medicine, 2015, 7, 33.	8.2	92
174	Perturbation and restoration of the fathead minnow gut microbiome after low-level triclosan exposure. Microbiome, 2015, 3, 6.	11.1	134
175	Dynamic changes in short- and long-term bacterial composition following fecal microbiota transplantation for recurrent Clostridium difficile infection. Microbiome, 2015, 3, 10.	11.1	218
176	BioMiCo: a supervised Bayesian model for inference of microbial community structure. Microbiome, 2015, 3, 8.	11.1	43
177	Quantitative Profiling of Immune Repertoires for Minor Lymphocyte Counts Using Unique Molecular Identifiers. Journal of Immunology, 2015, 194, 6155-6163.	0.8	90
178	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. Science Translational Medicine, 2015, 7, 276ra24.	12.4	280
179	Cultivating Healthy Growth and Nutrition through the Gut Microbiota. Cell, 2015, 161, 36-48.	28.9	155
180	Identifying personal microbiomes using metagenomic codes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2930-8.	7.1	377
181	The human gut resistome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140087.	4.0	275
182	Functional Impacts of the Intestinal Microbiome in the Pathogenesis of Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 139-153.	1.9	112

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183	The gut microbiome in health and in disease. Current Opinion in Gastroenterology, 2015, 31, 69-75.	2.3	1,193
184	Autoimmune hostâ€“microbiota interactions at barrier sites and beyond. Trends in Molecular Medicine, 2015, 21, 233-244.	6.7	100
185	Why Is Initial Bacterial Colonization of the Intestine Important to Infants' and Children's Health?. Journal of Pediatric Gastroenterology and Nutrition, 2015, 60, 294-307.	1.8	252
186	The human gut microbiome, a taxonomic conundrum. Systematic and Applied Microbiology, 2015, 38, 276-286.	2.8	113
187	Epithelial Cell Contributions to Intestinal Immunity. Advances in Immunology, 2015, 126, 129-172.	2.2	100
188	Can inflammatory bowel disease be permanently treated with short-term interventions on the microbiome?. Expert Review of Gastroenterology and Hepatology, 2015, 9, 781-795.	3.0	48
189	Genetic determinants of in vivo fitness and diet responsiveness in multiple human gut Bacteroides. Science, 2015, 350, aac5992.	12.6	229
190	Host genetic variation impacts microbiome composition across human body sites. Genome Biology, 2015, 16, 191.	8.8	612
192	The ecology of the microbiome: Networks, competition, and stability. Science, 2015, 350, 663-666.	12.6	1,618
193	Linking Microbiota to Human Diseases: A Systems Biology Perspective. Trends in Endocrinology and Metabolism, 2015, 26, 758-770.	7.1	134
194	Bridging the knowledge gap: from microbiome composition to function. Molecular Systems Biology, 2015, 11, 793.	7.2	3
195	Phasing amplicon sequencing on Illumina Miseq for robust environmental microbial community analysis. BMC Microbiology, 2015, 15, 125.	3.3	222
196	The Human Gut Microbiome as a Transporter of Antibiotic Resistance Genes between Continents. Antimicrobial Agents and Chemotherapy, 2015, 59, 6551-6560.	3.2	155
197	The prebiotics 3â€²Sialyllactose and 6â€²Sialyllactose diminish stressor-induced anxiety-like behavior and colonic microbiota alterations: Evidence for effects on the gutâ€“brain axis. Brain, Behavior, and Immunity, 2015, 50, 166-177.	4.1	233
198	Reducing amplification artifacts in high multiplex amplicon sequencing by using molecular barcodes. BMC Genomics, 2015, 16, 589.	2.8	107
199	Deviations in human gut microbiota: a novel diagnostic test for determining dysbiosis in patients with IBS or IBD. Alimentary Pharmacology and Therapeutics, 2015, 42, 71-83.	3.7	218
200	Diet shapes the gut microbiome of pigs during nursing and weaning. Microbiome, 2015, 3, 28.	11.1	387
201	The intestinal microbiome in human disease and how it relates to arthritis and spondyloarthritis. Best Practice and Research in Clinical Rheumatology, 2015, 29, 202-212.	3.3	32

#	Article	IF	Citations
202	The Altered Schaedler Flora: Continued Applications of a Defined Murine Microbial Community. ILAR Journal, 2015, 56, 169-178.	1.8	173
203	ConStrains identifies microbial strains in metagenomic datasets. Nature Biotechnology, 2015, 33, 1045-1052.	17.5	235
204	The Intestinal Microbiota in Inflammatory Bowel Disease. ILAR Journal, 2015, 56, 192-204.	1.8	152
205	Analyses of Intestinal Microbiota: Culture versus Sequencing: FigureÂ1. ILAR Journal, 2015, 56, 228-240.	1.8	156
206	Metabolic labeling puts the microbiome under the microscope. Nature Medicine, 2015, 21, 977-978.	30.7	3
207	Assessing the Unseen Bacterial Diversity in Microbial Communities. Genome Biology and Evolution, 2015, 7, 3416-3425.	2.5	40
208	Nutriproteomics: Facts, concepts, and perspectives. Proteomics, 2015, 15, 997-1013.	2.2	26
209	Intra- and Interindividual Variations Mask Interspecies Variation in the Microbiota of Sympatric Peromyscus Populations. Applied and Environmental Microbiology, 2015, 81, 396-404.	3.1	54
210	Diet Dominates Host Genotype in Shaping the Murine Gut Microbiota. Cell Host and Microbe, 2015, 17, 72-84.	11.0	941
211	Gut microbiota are related to Parkinson's disease and clinical phenotype. Movement Disorders, 2015, 30, 350-358.	3.9	1,457
212	The â€œpsychomicrobioticâ€• Targeting microbiota in major psychiatric disorders: A systematic review. Pathologie Et Biologie, 2015, 63, 35-42.	2.2	158
213	Mucins: A biologically relevant glycan barrier in mucosal protection. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 236-252.	2.4	389
214	Cellular metabolism in colorectal carcinogenesis: Influence of lifestyle, gut microbiome and metabolic pathways. Cancer Letters, 2015, 356, 273-280.	7.2	56
215	Biotic interactions and temporal dynamics of the human gastrointestinal microbiota. ISME Journal, 2015, 9, 533-541.	9.8	27
216	Metagenomics for Bacteriology. , 2015, , 113-134.		1
217	Interpreting 16S metagenomic data without clustering to achieve sub-OTU resolution. ISME Journal, 2015, 9, 68-80.	9.8	184
218	Molecular ecological tools to decipher the role of our microbial mass in obesity. Beneficial Microbes, 2015, 6, 61-81.	2.4	28
219	Complete Genome Sequence of Bacteroides ovatus V975. Genome Announcements, 2016, 4, .	0.8	2

#	Article	IF	Citations
220	Involvement of Reduced Microbial Diversity in Inflammatory Bowel Disease. Gastroenterology Research and Practice, 2016, 2016, 1-7.	1.5	82
221	Gut Microbiota and Metagenomic Advancement in Digestive Disease. Gastroenterology Research and Practice, 2016, 2016, 1-2.	1.5	2
222	RNA-seq â€“ Revealing Biological Insights in Bacteria. , 2016, , .		1
223	Microbiome and the Effect on Immune Response. , 2016, , 171-194.		0
224	Bifidobacteria and Butyrate-Producing Colon Bacteria: Importance and Strategies for Their Stimulation in the Human Gut. Frontiers in Microbiology, 2016, 7, 979.	3.5	1,109
225	The Gut Microbiota in Immune-Mediated Inflammatory Diseases. Frontiers in Microbiology, 2016, 7, 1081.	3.5	315
226	Characterization of the Gut Microbiome Using 16S or Shotgun Metagenomics. Frontiers in Microbiology, 2016, 7, 459.	3.5	659
227	Individuality, Stability, and Variability of the Plaque Microbiome. Frontiers in Microbiology, 2016, 7, 564.	3.5	75
228	Tracking Strains in the Microbiome: Insights from Metagenomics and Models. Frontiers in Microbiology, 2016, 7, 712.	3.5	44
229	Beyond 16S rRNA Community Profiling: Intra-Species Diversity in the Gut Microbiota. Frontiers in Microbiology, 2016, 7, 1475.	3.5	117
230	The Development of Our Organ of Other Kindsâ€"The Gut Microbiota. Frontiers in Microbiology, 2016, 7, 2107.	3.5	12
231	Gut Microbiota and Lifestyle Interventions in NAFLD. International Journal of Molecular Sciences, 2016, 17, 447.	4.1	75
232	Diet, Microbiota, Obesity, and NAFLD: A Dangerous Quartet. International Journal of Molecular Sciences, 2016, 17, 481.	4.1	100
233	Analysis of Gut Microbiota in Coronary Artery Disease Patients: a Possible Link between Gut Microbiota and Coronary Artery Disease. Journal of Atherosclerosis and Thrombosis, 2016, 23, 908-921.	2.0	224
234	Gut Microbiota and Coronary Artery Disease. International Heart Journal, 2016, 57, 663-671.	1.0	55
235	Bile Acids and Dysbiosis in Non-Alcoholic Fatty Liver Disease. PLoS ONE, 2016, 11, e0151829.	2.5	284
236	On the Origins and Control of Community Types in the Human Microbiome. PLoS Computational Biology, 2016, 12, e1004688.	3.2	69
237	Role of the gut microbiota in equine health and disease. Animal Frontiers, 2016, 6, 43-49.	1.7	16

#	Article	IF	Citations
238	Longâ€term microbiota and virome in a ZÃ¼rich patient after fecal transplantation against Clostridium difficile infection. Annals of the New York Academy of Sciences, 2016, 1372, 29-41.	3.8	38
239	The complex interplay of diet, xenobiotics, and microbial metabolism in the gut: Implications for clinical outcomes. Clinical Pharmacology and Therapeutics, 2016, 99, 588-599.	4.7	24
240	Alterations in the gut microbiotas of children with food sensitization in early life. Pediatric Allergy and Immunology, 2016, 27, 254-262.	2.6	141
241	Spatial disturbances in altered mucosal and luminal gut viromes of dietâ€induced obese mice. Environmental Microbiology, 2016, 18, 1498-1510.	3.8	73
242	cis -Encoded Small RNAs, a Conserved Mechanism for Repression of Polysaccharide Utilization in Bacteroides. Journal of Bacteriology, 2016, 198, 2410-2418.	2.2	27
243	Enteropathogen-Induced Microbiota Biofilm Disruptions and Post-Infectious Intestinal Inflammatory Disorders. Current Tropical Medicine Reports, 2016, 3, 94-101.	3.7	3
244	The microbiome in early life: implications for health outcomes. Nature Medicine, 2016, 22, 713-722.	30.7	838
245	â€œWHAT'S BUGGING THE GUT IN OCD?â€•A REVIEW OF THE GUT MICROBIOME IN OBSESSIVE-COMPULSIVE DISORDER. Depression and Anxiety, 2016, 33, 171-178.	4.1	60
246	Transition from infantâ€•to adultâ€like gut microbiota. Environmental Microbiology, 2016, 18, 2226-2236.	3.8	109
247	Role of Gut Microbiome in the Modulation of Environmental Toxicants and Therapeutic Agents. , 2016, , 491-518.		2
248	Microbiome: Ecology of stable gut communities. Nature Microbiology, 2016, 1, 15016.	13.3	26
249	Ecophysiological consequences of alcoholism on human gut microbiota: implications for ethanol-related pathogenesis of colon cancer. Scientific Reports, 2016, 6, 27923.	3.3	66
250	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. Cell Systems, 2016, 3, 572-584.e3.	6.2	261
252	Ischemia/Reperfusion. , 2016, 7, 113-170.		537
254	The effect of NOD2 on the microbiota in Crohn's disease. Current Opinion in Biotechnology, 2016, 40, 97-102.	6.6	29
255	Isolation and Cultivation of Anaerobes. Advances in Biochemical Engineering/Biotechnology, 2016, 156, 35-53.	1.1	9
256	Salinity and nutrient contents of tidal water affects soil respiration and carbon sequestration of high and low tidal flats of Jiuduansha wetlands in different ways. Science of the Total Environment, 2016, 565, 637-648.	8.0	48
257	Microbiomes, metagenomics, and primate conservation: New strategies, tools, and applications. Biological Conservation, 2016, 199, 56-66.	4.1	73

#	Article	IF	Citations
258	Drancourtella massiliensis gen. nov., sp. nov. isolated from fresh healthy human faecal sample from South France. New Microbes and New Infections, 2016, 11, 34-42.	1.6	6
259	The salivary microbiome for differentiating individuals: proof of principle. Microbes and Infection, 2016, 18, 399-405.	1.9	75
260	High definition for systems biology of microbial communities: metagenomics gets genome-centric and strain-resolved. Current Opinion in Biotechnology, 2016, 39, 174-181.	6.6	30
261	Benefits of short-chain fatty acids and their receptors in inflammation and carcinogenesis. , 2016, 164, 144-151.		386
262	Microbiome sequencing: challenges and opportunities for molecular medicine. Expert Review of Molecular Diagnostics, 2016, 16, 795-805.	3.1	33
263	Urban Microbiomes and Urban Agriculture: What Are the Connections and Why Should We Care?. , 2016, , 191-205.		1
264	The healthy human microbiome. Genome Medicine, 2016, 8, 51.	8.2	1,214
265	Culturing of â€˜unculturableâ€™ human microbiota reveals novel taxa and extensive sporulation. Nature, 2016, 533, 543-546.	27.8	958
266	Microbiome therapeutics â€” Advances and challenges. Advanced Drug Delivery Reviews, 2016, 105, 44-54.	13.7	198
267	Temporal Stability of the Human Skin Microbiome. Cell, 2016, 165, 854-866.	28.9	721
268	The evolution of cooperation within the gut microbiota. Nature, 2016, 533, 255-259.	27.8	483
269	Longitudinal Analysis of Microbiota in Microalga Nannochloropsis salina Cultures. Microbial Ecology, 2016, 72, 14-24.	2.8	13
270	Biodiversity of Intestinal Lactic Acid Bacteria in the Healthy Population. Advances in Experimental Medicine and Biology, 2016, 932, 1-64.	1.6	16
271	Manipulation of the Microbiota Using Probiotics. Advances in Experimental Medicine and Biology, 2016, 902, 109-117.	1.6	14
272	Recent progress in genetics, epigenetics and metagenomics unveils the pathophysiology of human obesity. Clinical Science, 2016, 130, 943-986.	4.3	281
273	Microbiome: Should we diversify from diversity?. Gut Microbes, 2016, 7, 455-458.	9.8	69
275	Causality of small and large intestinal microbiota in weight regulation and insulin resistance. Molecular Metabolism, 2016, 5, 759-770.	6.5	142
276	An overview of major metagenomic studies on human microbiomes in health and disease. Quantitative Biology, 2016, 4, 192-206.	0.5	10

#	Article	IF	Citations
277	How stable is the human gut microbiota? And why this question matters. Environmental Microbiology, 2016, 18, 2779-2783.	3.8	17
278	Experimental design considerations in microbiota/inflammation studies. Clinical and Translational Immunology, 2016, 5, e92.	3.8	43
279	Bacteroidales Secreted Antimicrobial Proteins Target Surface Molecules Necessary for Gut Colonization and Mediate Competition In Vivo. MBio, 2016, 7, .	4.1	63
281	The Role of the Intestinal Microbiome in Type 1 Diabetes Pathogenesis. Current Diabetes Reports, 2016, 16, 89.	4.2	47
282	Microbial Herd Protection Mediated by Antagonistic Interaction in Polymicrobial Communities. Applied and Environmental Microbiology, 2016, 82, 6881-6888.	3.1	42
283	Microbial diversity in individuals and their household contacts following typical antibiotic courses. Microbiome, 2016, 4, 39.	11.1	135
284	Microbiomeâ€“Epigenome Interactions and the Environmental Origins of Inflammatory Bowel Diseases. Journal of Pediatric Gastroenterology and Nutrition, 2016, 62, 208-219.	1.8	50
285	Systematic improvement of amplicon marker gene methods for increased accuracy in microbiome studies. Nature Biotechnology, 2016, 34, 942-949.	17.5	623
286	Vitamin D deficiency changes the intestinal microbiome reducing B vitamin production in the gut. The resulting lack of pantothenic acid adversely affects the immune system, producing a â€œpro-inflammatoryâ€•state associated with atherosclerosis and autoimmunity. Medical Hypotheses, 2016, 94, 103-107.	1.5	91
287	Do Vertebrate Gut Metagenomes Confer Rapid Ecological Adaptation?. Trends in Ecology and Evolution, 2016, 31, 689-699.	8.7	235
288	Strain competition restricts colonization of an enteric pathogen and prevents colitis. EMBO Reports, 2016, 17, 1281-1291.	4.5	151
289	Mobile genes in the human microbiome are structured from global to individual scales. Nature, 2016, 535, 435-439.	27.8	233
290	Decoding molecular interactions in microbial communities. FEMS Microbiology Reviews, 2016, 40, 648-663.	8.6	71
291	Fecal Microbiota-based Therapeutics for Recurrent Clostridium difficile Infection, Ulcerative Colitis and Obesity. EBioMedicine, 2016, 13, 37-45.	6.1	65
292	Microbiome, antibiotics and irritable bowel syndrome. British Medical Bulletin, 2016, 120, 91-99.	6.9	23
294	HIV infection results in metabolic alterations in the gut microbiota different from those induced by other diseases. Scientific Reports, 2016, 6, 26192.	3.3	50
295	Organisms or biological individuals? Combining physiological and evolutionary individuality. Biology and Philosophy, 2016, 31, 797-817.	1.4	83
296	Natural history of the infant gut microbiome and impact of antibiotic treatment on bacterial strain diversity and stability. Science Translational Medicine, 2016, 8, 343ra81.	12.4	763

#	Article	IF	Citations
297	Disrupted progression of the intestinal microbiota with age in children with cystic fibrosis. Scientific Reports, 2016, 6, 24857.	3.3	85
298	Illumina Miseq platform analysis caecum bacterial communities of rex rabbits fed with different antibiotics. AMB Express, 2016, 6, 100.	3.0	30
299	In vitro fermentation of mulberry fruit polysaccharides by human fecal inocula and impact on microbiota. Food and Function, 2016, 7, 4637-4643.	4.6	78
300	An integrated metagenomics pipeline for strain profiling reveals novel patterns of bacterial transmission and biogeography. Genome Research, 2016, 26, 1612-1625.	5.5	405
301	Gut microbiota in health and disease: an overview focused on metabolic inflammation. Beneficial Microbes, 2016, 7, 181-194.	2.4	77
302	Effect of probiotic yoghurt on animal-based diet-induced change in gut microbiota: an open, randomised, parallel-group study. Beneficial Microbes, 2016, 7, 473-484.	2.4	38
303	Response of bacterial colonization in <scp>N</scp>ematostella vectensis to development, environment and biogeography. Environmental Microbiology, 2016, 18, 1764-1781.	3.8	109
304	Type VI secretion systems of human gut Bacteroidales segregate into three genetic architectures, two of which are contained on mobile genetic elements. BMC Genomics, 2016, 17, 58.	2.8	121
305	Universality of human microbial dynamics. Nature, 2016, 534, 259-262.	27.8	225
306	A preliminary study of the oral microbiota in Chinese patients with SjÃ¶grenâ€™s syndrome. Archives of Oral Biology, 2016, 70, 143-148.	1.8	37
307	Mirror, mirror on the wall: which microbiomes will help heal them all?. BMC Medicine, 2016, 14, 72.	5.5	31
308	Bloom and bust: intestinal microbiota dynamics in response to hospital exposures and Clostridium difficile colonization or infection. Microbiome, 2016, 4, 12.	11.1	96
309	Colonization potential to reconstitute a microbe community in patients detected early after fecal microbe transplant for recurrent C. difficile. BMC Microbiology, 2016, 16, 5.	3.3	19
310	Geographical patterns of the standing and active human gut microbiome in health and IBD. Gut, 2016, 65, 238-248.	12.1	143
311	Can We Prevent Obesity-Related Metabolic Diseases by Dietary Modulation of the Gut Microbiota?. Advances in Nutrition, 2016, 7, 90-101.	6.4	112
312	Microbiota and lifestyle interactions through the lifespan. Trends in Food Science and Technology, 2016, 57, 265-272.	15.1	24
313	Challenges of metabolomics in human gut microbiota research. International Journal of Medical Microbiology, 2016, 306, 266-279.	3.6	117
314	Functional Redundancy-Induced Stability of Gut Microbiota Subjected to Disturbance. Trends in Microbiology, 2016, 24, 402-413.	7.7	451

#	Article	IF	Citations
315	Improving the microbial community reconstruction at the genus level by multiple 16S rRNA regions. Journal of Theoretical Biology, 2016, 398, 1-8.	1.7	12
316	Sub-clinical detection of gut microbial biomarkers of obesity and type 2 diabetes. Genome Medicine, 2016, 8, 17.	8.2	219
317	The Host Shapes the Gut Microbiota via Fecal MicroRNA. Cell Host and Microbe, 2016, 19, 32-43.	11.0	570
318	Gut microbiota, obesity and diabetes. Postgraduate Medical Journal, 2016, 92, 286-300.	1.8	377
319	Molecular characterization of the intestinal microbiota in patients with and without abdominal bloating. American Journal of Physiology - Renal Physiology, 2016, 310, G417-G426.	3.4	38
320	Gut microbiota impact on stroke outcome: Fad or fact?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 891-898.	4.3	58
321	Human symbionts inject and neutralize antibacterial toxins to persist in the gut. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3639-3644.	7.1	190
322	Bacteroides fragilis type VI secretion systems use novel effector and immunity proteins to antagonize human gut Bacteroidales species. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3627-3632.	7.1	176
323	Characterization of the gut microbiome in epidemiologic studies: the multiethnic cohort experience. Annals of Epidemiology, 2016, 26, 373-379.	1.9	42
324	Signaling in Host-Associated Microbial Communities. Cell, 2016, 164, 1288-1300.	28.9	130
325	The microbial pharmacists within us: a metagenomic view of xenobiotic metabolism. Nature Reviews Microbiology, 2016, 14, 273-287.	28.6	552
326	Association between the gut microbiota and diet: Fetal life, early childhood, and further life. Nutrition, 2016, 32, 620-627.	2.4	119
327	Composition and stability of intestinal microbiota of healthy children within a Dutch population. FASEB Journal, 2016, 30, 1512-1522.	0.5	45
328	Beneficial Microbes: The pharmacy in the gut. Bioengineered, 2016, 7, 11-20.	3.2	77
329	Gut Microbiota and IBS. , 2016, , 557-566.		1
330	Discordant temporal development of bacterial phyla and the emergence of core in the fecal microbiota of young children. ISME Journal, 2016, 10, 1002-1014.	9.8	104
331	Towards Engineering Biological Systems in a Broader Context. Journal of Molecular Biology, 2016, 428, 928-944.	4.2	30
332	Gut biogeography of the bacterial microbiota. Nature Reviews Microbiology, 2016, 14, 20-32.	28.6	1,772

#	Article	IF	Citations
333	Composition of human faecal microbiota in resistance to Campylobacter infection. Clinical Microbiology and Infection, 2016, 22, 61.e1-61.e8.	6.0	74
334	Heterogeneity of the gut microbiome in mice: guidelines for optimizing experimental design. FEMS Microbiology Reviews, 2016, 40, 117-132.	8.6	303
335	The gut microbial community in metabolic syndrome patients is modified by diet. Journal of Nutritional Biochemistry, 2016, 27, 27-31.	4.2	166
336	Gut microbiota and obesity. Cellular and Molecular Life Sciences, 2016, 73, 147-162.	5.4	383
337	Indoxyl sulphate and kidney disease: Causes, consequences and interventions. Nephrology, 2016, 21, 170-177.	1.6	56
338	The role of the gastrointestinal tract and microbiota on uremic toxins and chronic kidney disease development. Clinical and Experimental Nephrology, 2017, 21, 7-15.	1.6	46
339	Gut microbiota-bone axis. Critical Reviews in Food Science and Nutrition, 2017, 57, 1664-1672.	10.3	72
340	Interplay between diet, gut microbiota, epigenetic events, and colorectal cancer. Molecular Nutrition and Food Research, 2017, 61, 1500902.	3.3	194
341	Characterization of gut microbiota profiles in coronary artery disease patients using data mining analysis of terminal restriction fragment length polymorphism: gut microbiota could be a diagnostic marker of coronary artery disease. Heart and Vessels, 2017, 32, 39-46.	1.2	130
342	Gut microbiota, diet, and obesityâ€related disordersâ€”The good, the bad, and the future challenges. Molecular Nutrition and Food Research, 2017, 61, 1600252.	3.3	143
343	Effects of Feeding Management on the Equine Cecal Microbiota. Journal of Equine Veterinary Science, 2017, 49, 113-121.	0.9	58
344	MicroRNAs and the metabolic hallmarks of aging. Molecular and Cellular Endocrinology, 2017, 455, 131-147.	3.2	51
345	Studying Vertical Microbiome Transmission from Mothers to Infants by Strain-Level Metagenomic Profiling. MSystems, 2017, 2, .	3.8	329
346	Composition of Gut Microbiota in the Gibel Carp (Carassius auratus gibelio) Varies with Host Development. Microbial Ecology, 2017, 74, 239-249.	2.8	115
347	Examination of highâ€antibiotic users in a multiâ€institutional cohort of chronic rhinosinusitis patients. International Forum of Allergy and Rhinology, 2017, 7, 343-351.	2.8	20
348	Homeostasis of the gut barrier and potential biomarkers. American Journal of Physiology - Renal Physiology, 2017, 312, G171-G193.	3.4	408
349	Lateral Gene Transfer in the Adaptation of the Anaerobic Parasite Blastocystis to the Gut. Current Biology, 2017, 27, 807-820.	3.9	94
350	Age at onset is associated with the seasonal pattern of onset and exacerbation in inflammatory bowel disease. Journal of Gastroenterology, 2017, 52, 1149-1157.	5.1	18

#	Article	IF	Citations
351	Role of the Gut Microbiome in the Pathogenesis of Obesity and Obesity-Related Metabolic Dysfunction. Gastroenterology, 2017, 152, 1671-1678.	1.3	334
352	Oneâ€year calorie restriction impacts gut microbial composition but not its metabolic performance in obese adolescents. Environmental Microbiology, 2017, 19, 1536-1551.	3.8	54
353	An integrative Bayesian Dirichlet-multinomial regression model for the analysis of taxonomic abundances in microbiome data. BMC Bioinformatics, 2017, 18, 94.	2.6	57
354	Determinants and Duration of Impact of Early Gut Bacterial Colonization. Annals of Nutrition and Metabolism, 2017, 70, 246-250.	1.9	18
355	The Gut Microbiome: Connecting Spatial Organization to Function. Cell Host and Microbe, 2017, 21, 433-442.	11.0	453
356	Understanding the Gut Microbiota in Inflammatory and Functional Gastrointestinal Diseases. Psychosomatic Medicine, 2017, 79, 857-867.	2.0	43
357	Engineered Regulatory Systems Modulate Gene Expression of Human Commensals in the Gut. Cell, 2017, 169, 547-558.e15.	28.9	147
358	Gut microbiota and hepatitis-B-virus-induced chronic liver disease: implications for faecal microbiota transplantation therapy. Journal of Hospital Infection, 2017, 96, 342-348.	2.9	43
359	The importance of appropriate initial bacterial colonization of the intestine in newborn, child, and adult health. Pediatric Research, 2017, 82, 387-395.	2.3	120
360	Perturbation of microbiota in one-day old broiler chickens with antibiotic for 24 hours negatively affects intestinal immune development. BMC Genomics, 2017, 18, 241.	2.8	112
361	Embracing the coâ€operative society to better understand assembly of the gut microbiota. Environmental Microbiology, 2017, 19, 2924-2925.	3.8	5
362	Applying the design-build-test paradigm in microbiome engineering. Current Opinion in Biotechnology, 2017, 48, 85-93.	6.6	13
363	Antibiotics-induced gut microbiota dysbiosis promotes tumor initiation via affecting APC-Th1 development in mice. Biochemical and Biophysical Research Communications, 2017, 488, 418-424.	2.1	22
364	The Microbiome in Healthy Children. , 2017, , 183-191.		1
365	MÃ©nage Ã trois in the human gut: interactions between host, bacteria and phages. Nature Reviews Microbiology, 2017, 15, 397-408.	28.6	277
366	Tolerability and safety of the intake of bovine milk oligosaccharides extracted from cheese whey in healthy human adults. Journal of Nutritional Science, 2017, 6, e6.	1.9	17
367	An insider's perspective: Bacteroides as a window into the microbiome. Nature Microbiology, 2017, 2, 17026.	13.3	416
368	The prenatal gut microbiome: are we colonized with bacteria in utero?. Pediatric Obesity, 2017, 12, 3-17.	2.8	211

#	Article	IF	Citations
369	Systems-level metabolism of the altered Schaedler flora, a complete gut microbiota. ISME Journal, 2017, 11, 426-438.	9.8	60
370	Disentangling Interactions in the Microbiome: A Network Perspective. Trends in Microbiology, 2017, 25, 217-228.	7.7	559
371	The resilience of the intestinal microbiota influences health and disease. Nature Reviews Microbiology, 2017, 15, 630-638.	28.6	696
372	Microbiomes of Site-Specific Dental Plaques from Children with Different Caries Status. Infection and Immunity, 2017, 85, .	2.2	141
373	The Dynamics of Mediterranean Horseshoe Bat (Rhinolophus euryale, Chiroptera) Gut Microflora During Hibernation. Acta Chiropterologica, 2017, 19, 211-218.	0.6	14
374	Anticancer effects of the microbiome and its products. Nature Reviews Microbiology, 2017, 15, 465-478.	28.6	399
375	Social behaviour involving drug resistance: the role of initial density, initial frequency and population structure in shaping the effect of antibiotic resistance as a public good. Heredity, 2017, 119, 295-301.	2.6	15
376	Single-Strand Consensus Sequencing Reveals that HIV Type but not Subtype Significantly Impacts Viral Mutation Frequencies and Spectra. Journal of Molecular Biology, 2017, 429, 2290-2307.	4.2	11
377	Dysregulation of gut microbiota and chronic inflammatory disease: from epithelial defense to host immunity. Experimental and Molecular Medicine, 2017, 49, e337-e337.	7.7	11
378	Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men. British Journal of Nutrition, 2017, 117, 1312-1322.	2.3	81
379	Transmission of the gut microbiota: spreading of health. Nature Reviews Microbiology, 2017, 15, 531-543.	28.6	150
380	Tackling the Antibiotic Resistance: The â€œGutâ€•Feeling. , 2017, , 325-338.		2
381	Microbiome effects on immunity, health and disease in the lung. Clinical and Translational Immunology, 2017, 6, e133.	3.8	225
383	Colonization resistance: The deconvolution of a complex trait. Journal of Biological Chemistry, 2017, 292, 8577-8581.	3.4	42
384	Health and Disease Imprinted in the Time Variability of the Human Microbiome. MSystems, 2017, 2, .	3.8	43
385	Microbiota: a key orchestrator of cancer therapy. Nature Reviews Cancer, 2017, 17, 271-285.	28.4	699
386	Exploring the Plant Microbiome Through Multi-omics Approaches. , 2017, , 233-268.		11
387	Dysbiosis and Its Discontents. MBio, 2017, 8, .	4.1	216

#	Article	IF	Citations
388	How diet can impact gut microbiota to promote or endanger health. Current Opinion in Gastroenterology, 2017, 33, 417-421.	2.3	41
389	Human genetic variation and the gut microbiome in disease. Nature Reviews Genetics, 2017, 18, 690-699.	16.3	383
390	Extended genomes: symbiosis and evolution. Interface Focus, 2017, 7, 20170001.	3.0	80
391	Competing forces maintain the Hydra metaorganism. Immunological Reviews, 2017, 279, 123-136.	6.0	33
392	A bacteriophages journey through the human body. Immunological Reviews, 2017, 279, 106-122.	6.0	182
393	Strains, functions and dynamics in the expanded Human Microbiome Project. Nature, 2017, 550, 61-66.	27.8	929
394	Diet, microbiome, and colorectal cancer. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2017, 31, 675-681.	2.4	5
395	Role of microbiota in the pathogenesis of functional disorders of the lower <scp>GI</scp> tract: Work in progress. Neurogastroenterology and Motility, 2017, 29, 1-5.	3.0	4
396	The Landscape of Type VI Secretion across Human Gut Microbiomes Reveals Its Role in Community Composition. Cell Host and Microbe, 2017, 22, 411-419.e4.	11.0	137
397	Linking Spatial Structure and Community-Level Biotic Interactions through Cooccurrence and Time Series Modeling of the Human Intestinal Microbiota. MSystems, 2017, 2, .	3.8	8
398	Consumption of Two Healthy Dietary Patterns Restored Microbiota Dysbiosis in Obese Patients with Metabolic Dysfunction. Molecular Nutrition and Food Research, 2017, 61, 1700300.	3.3	107
399	Novel mass spectrometry approaches in food proteomics. TrAC - Trends in Analytical Chemistry, 2017, 96, 99-106.	11.4	27
400	Patterns of seasonality and group membership characterize the gut microbiota in a longitudinal study of wild Verreaux's sifakas (Propithecus verreauxi). Ecology and Evolution, 2017, 7, 5732-5745.	1.9	90
401	Obesity and the Risk for Type 2 Diabetes. , 2017, , 677-689.		0
402	Integrating the microbiome as a resource in the forensics toolkit. Forensic Science International: Genetics, 2017, 30, 141-147.	3.1	81
403	The evolution of the host microbiome as an ecosystem on a leash. Nature, 2017, 548, 43-51.	27.8	687
404	Alterations of microbiota structure in the larynx relevant to laryngeal carcinoma. Scientific Reports, 2017, 7, 5507.	3.3	39
405	Reproducibility of assessing fecal microbiota in chronic constipation. Neurogastroenterology and Motility, 2017, 29, 1-10.	3.0	14

#	Article	IF	Citations
406	Gut microbiome and its role in cardiovascular diseases. Current Opinion in Cardiology, 2017, 32, 761-766.	1.8	139
407	Bacteriocins and bacteriophage; a narrow-minded approach to food and gut microbiology. FEMS Microbiology Reviews, 2017, 41, S129-S153.	8.6	74
408	Long-term stability in the gut microbiome over 46â€¯years in the life of Billy AppleÂ®. Human Microbiome Journal, 2017, 5-6, 7-10.	3.8	9
409	Mapping the ecological networks of microbial communities. Nature Communications, 2017, 8, 2042.	12.8	125
410	Persistence of Supplemented Bifidobacterium longum subsp. infantis EVC001 in Breastfed Infants. MSphere, 2017, 2, .	2.9	158
411	The Gut Microbiota Facilitates Drifts in the Genetic Diversity and Infectivity of Bacterial Viruses. Cell Host and Microbe, 2017, 22, 801-808.e3.	11.0	133
412	The efficacy and further functional advantages of random-base molecular barcodes for absolute and digital quantification of nucleic acid molecules. Scientific Reports, 2017, 7, 13576.	3.3	18
413	Diet, Gut Microbiota, and Colorectal Cancer Prevention: a Review of Potential Mechanisms and Promising Targets for Future Research. Current Colorectal Cancer Reports, 2017, 13, 429-439.	0.5	32
414	Gut Microbiota and Salivary Diagnostics: The Mouth Is Salivating to Tell Us Something. BioResearch Open Access, 2017, 6, 123-132.	2.6	45
415	Microbiome measurement: Possibilities and pitfalls. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2017, 31, 619-623.	2.4	7
416	Holistic View on Health: Two Protective Layers of Biodiversity. Annales Zoologici Fennici, 2017, 54, 39-49.	0.6	35
417	Application of nonsense-mediated primer exclusion (NOPE) for preparation of unique molecular barcoded libraries. BMC Genomics, 2017, 18, 440.	2.8	2
418	The Microbiome in Visceral Medicine: Inflammatory Bowel Disease, Obesity and Beyond. Visceral Medicine, 2017, 33, 153-162.	1.3	6
419	Integrated multi-omics of the human gut microbiome in a case study of familial type 1 diabetes. Nature Microbiology, 2017, 2, 16180.	13.3	233
420	Obesity-associated cancer risk: the role of intestinal microbiota in the etiology of the host proinflammatory state. Translational Research, 2017, 179, 155-167.	5.0	36
421	Oxygen as a driver of gut dysbiosis. Free Radical Biology and Medicine, 2017, 105, 93-101.	2.9	208
422	Diet-Microbiome Interactions in Health Are Controlled by Intestinal Nitrogen Source Constraints. Cell Metabolism, 2017, 25, 140-151.	16.2	148
423	Natural products as mediators of disease. Natural Product Reports, 2017, 34, 194-219.	10.3	59

#	Article	IF	Citations
424	Role of the gut microbiota in host appetite control: bacterial growth to animal feeding behaviour. Nature Reviews Endocrinology, 2017, 13, 11-25.	9.6	273
425	Intestinal microbiome landscaping: insight in community assemblage and implications for microbial modulation strategies. FEMS Microbiology Reviews, 2017, 41, 182-199.	8.6	182
426	Effect of Synbiotic-Assisted Modulation of Gastrointestinal Microbiota on Human Health. , 2017, , 223-236.		1
427	Human Microbiome: We Are Not Alone. , 2017, , 105-114.		0
428	Dysbiosis. , 2017, , 227-232.		13
429	The Gut Microbiota Influence on Human Epigenetics, Health, and Disease. , 2017, , 495-510.		17
430	Pharmabiotics as an Emerging Medication for Metabolic Syndrome and Its Related Diseases. Molecules, 2017, 22, 1795.	3.8	21
431	The Human Gut Phage Community and Its Implications for Health and Disease. Viruses, 2017, 9, 141.	3.3	206
432	Characterizing and Functionally Defining the Gut Microbiota: Methodology and Implications. , 2017, , 15-25.		3
433	Gutâ€“Liver Axis Derangement in Non-Alcoholic Fatty Liver Disease. Children, 2017, 4, 66.	1.5	85
434	Sampling Strategies for Three-Dimensional Spatial Community Structures in IBD Microbiota Research. Frontiers in Cellular and Infection Microbiology, 2017, 7, 51.	3.9	23
435	Influence of Microbiota on Intestinal Immune System in Ulcerative Colitis and Its Intervention. Frontiers in Immunology, 2017, 8, 1674.	4.8	105
436	Temporal Stability and the Effect of Transgenerational Transfer on Fecal Microbiota Structure in a Long Distance Migratory Bird. Frontiers in Microbiology, 2017, 8, 50.	3.5	70
437	Small Luggage for a Long Journey: Transfer of Vesicle-Enclosed Small RNA in Interspecies Communication. Frontiers in Microbiology, 2017, 8, 377.	3.5	47
438	Human Gut Microbiota: Toward an Ecology of Disease. Frontiers in Microbiology, 2017, 8, 1265.	3.5	110
439	Changes in the Total Fecal Bacterial Population in Individual Horses Maintained on a Restricted Diet Over 6 Weeks. Frontiers in Microbiology, 2017, 8, 1502.	3.5	37
440	High Spatial and Temporal Variations of Microbial Community along the Southern Catfish Gastrointestinal Tract: Insights into Dynamic Food Digestion. Frontiers in Microbiology, 2017, 8, 1531.	3.5	29
441	Association Study of Gut Flora in Coronary Heart Disease through High-Throughput Sequencing. BioMed Research International, 2017, 2017, 1-10.	1.9	90

#	Article	IF	Citations
442	Microbiome sharing between children, livestock and household surfaces in western Kenya. PLoS ONE, 2017, 12, e0171017.	2.5	49
443	Bacteria and bacterial envelope components enhance mammalian reovirus thermostability. PLoS Pathogens, 2017, 13, e1006768.	4.7	83
444	Gut microbiome of mothers delivering prematurely shows reduced diversity and lower relative abundance of Bifidobacterium and Streptococcus. PLoS ONE, 2017, 12, e0184336.	2.5	53
445	Experimental design and quantitative analysis of microbial community multiomics. Genome Biology, 2017, 18, 228.	8.8	143
446	A novel Ruminococcus gnavus clade enriched in inflammatory bowel disease patients. Genome Medicine, 2017, 9, 103.	8.2	478
447	Under control: how a dietary additive can restore the gut microbiome and proteomic profile, and improve disease resilience in a marine teleostean fish fed vegetable diets. Microbiome, 2017, 5, 164.	11.1	186
448	Gut microbiota and obesity: implications for fecal microbiota transplantation therapy. Hormones, 2017, 16, 223-234.	1.9	47
449	The human gut virome: form and function. Emerging Topics in Life Sciences, 2017, 1, 351-362.	2.6	5
450	The Human Gut Microbiome: From Association to Modulation. Cell, 2018, 172, 1198-1215.	28.9	558
451	Capturing the â€˜omeâ€™: the expanding molecular toolbox for RNA and DNA library construction. Nucleic Acids Research, 2018, 46, 2701-2721.	14.5	22
452	Dysbiosis of gut microbiota in promoting the development of colorectal cancer. Gastroenterology Report, 2018, 6, 1-12.	1.3	192
453	Probiotics for people with cystic fibrosis. The Cochrane Library, 0, , .	2.8	3
454	Blueberry Supplementation Influences the Gut Microbiota, Inflammation, and Insulin Resistance in High-Fat-Dietâ€“Fed Rats. Journal of Nutrition, 2018, 148, 209-219.	2.9	161
455	Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation. Applied and Environmental Microbiology, 2018, 84, .	3.1	62
456	The Role of the Gut Microbiota in the Metabolism of Polyphenols as Characterized by Gnotobiotic Mice. Journal of Alzheimer's Disease, 2018, 63, 409-421.	2.6	63
457	Prevention and Treatment of Type 2 Diabetes: A Pathophysiological-Based Approach. Trends in Endocrinology and Metabolism, 2018, 29, 370-379.	7.1	26
458	A system biology perspective on environmentâ€“hostâ€“microbe interactions. Human Molecular Genetics, 2018, 27, R187-R194.	2.9	37
459	Immuno-oncology-101: overview of major concepts and translational perspectives. Seminars in Cancer Biology, 2018, 52, 1-11.	9.6	39

#	Article	IF	Citations
460	Temporal probabilistic modeling of bacterial compositions derived from 16S rRNA sequencing. Bioinformatics, 2018, 34, 372-380.	4.1	42
461	A distance-based approach for testing the mediation effect of the human microbiome. Bioinformatics, 2018, 34, 1875-1883.	4.1	43
462	Interactions between the microbiota and innate and innate-like lymphocytes. Journal of Leukocyte Biology, 2018, 103, 409-419.	3.3	51
463	1-Day or 5-Day Fecal Samples, Which One is More Beneficial to be Used for DNA-Based Gut Microbiota Study. Current Microbiology, 2018, 75, 288-295.	2.2	2
464	Machine Learning Leveraging Genomes from Metagenomes Identifies Influential Antibiotic Resistance Genes in the Infant Gut Microbiome. MSystems, 2018, 3, .	3.8	68
465	Foodomics for human health: current status and perspectives. Expert Review of Proteomics, 2018, 15, 153-164.	3.0	52
466	Structural characterization and in vitro fermentation of a novel polysaccharide from Sargassum thunbergii and its impact on gut microbiota. Carbohydrate Polymers, 2018, 183, 230-239.	10.2	145
467	Lupus: The microbiome angle. Immunobiology, 2018, 223, 460-465.	1.9	23
468	Enterotypes in the landscape of gut microbial community composition. Nature Microbiology, 2018, 3, 8-16.	13.3	717
469	A potential impact of Helicobacter pylori -related galectin-3 in neurodegeneration. Neurochemistry International, 2018, 113, 137-151.	3.8	21
470	Ecological plasticity in the gastrointestinal microbiomes of Ethiopian Chlorocebus monkeys. Scientific Reports, 2018, 8, 20.	3.3	37
471	Interactions Between Diet and the Intestinal Microbiota Alter Intestinal Permeability and Colitis Severity in Mice. Gastroenterology, 2018, 154, 1037-1046.e2.	1.3	273
472	The human skin microbiome. Nature Reviews Microbiology, 2018, 16, 143-155.	28.6	1,576
473	Stability of the human faecal microbiome in a cohort of adult men. Nature Microbiology, 2018, 3, 347-355.	13.3	203
474	The germ-organ theory of non-communicable diseases. Nature Reviews Microbiology, 2018, 16, 103-110.	28.6	117
475	The Gut Microbiome and Multiple Sclerosis. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029017.	6.2	86
476	Dark matter in host-microbiome metabolomics: Tackling the unknownsâ€“A review. Analytica Chimica Acta, 2018, 1037, 13-27.	5.4	108
477	Gut microbiota utilize immunoglobulin A for mucosal colonization. Science, 2018, 360, 795-800.	12.6	447

#	Article	IF	Citations
478	A Prospective Metagenomic and Metabolomic Analysis of the Impact of Exercise and/or Whey Protein Supplementation on the Gut Microbiome of Sedentary Adults. MSystems, 2018, 3, .	3.8	148
479	The hologenome concept of evolution after 10Âyears. Microbiome, 2018, 6, 78.	11.1	326
480	The association of diet, gut microbiota and colorectal cancer: what we eat may imply what we get. Protein and Cell, 2018, 9, 474-487.	11.0	204
481	Relationship between diet, the gut microbiota, and brain function. Nutrition Reviews, 2018, 76, 603-617.	5.8	47
482	Alterations in the oral microbiome in HIV-infected participants after antiretroviral therapy administration are influenced by immune status. Aids, 2018, 32, 1279-1287.	2.2	45
483	Chronic exposure to low concentrations of lead induces metabolic disorder and dysbiosis of the gut microbiota in mice. Science of the Total Environment, 2018, 631-632, 439-448.	8.0	123
484	A Lachnospiraceae-dominated bacterial signature in the fecal microbiota of HIV-infected individuals from Colombia, South America. Scientific Reports, 2018, 8, 4479.	3.3	34
485	Bacteria-Mediated Tumor Therapy Utilizing Photothermally-Controlled TNF-Î± Expression via Oral Administration. Nano Letters, 2018, 18, 2373-2380.	9.1	185
486	â€˜Cyclical Biasâ€™ in Microbiome ResearchÂRevealed byÂA Portable Germ-Free Housing System UsingÂNested Isolation. Scientific Reports, 2018, 8, 3801.	3.3	40
487	The Influence of Social Conditions Across the Life Course on the Human Gut Microbiota: A Pilot Project With the Wisconsin Longitudinal Study. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2018, 73, 124-133.	3.9	15
488	Soybean protein-based microparticles for oral delivery of probiotics with improved stability during storage and gut resistance. Food Chemistry, 2018, 239, 879-888.	8.2	80
489	Evaluation of different 16S rRNA gene V regions for exploring bacterial diversity in a eutrophic freshwater lake. Science of the Total Environment, 2018, 618, 1254-1267.	8.0	115
490	Microbiomeâ€“health interactions in older people. Cellular and Molecular Life Sciences, 2018, 75, 119-128.	5.4	80
491	Fecal Microbiota Transplantation: Therapeutic Potential for a Multitude of Diseases beyond Clostridium difficile. Microbiology Spectrum, 2017, 5, .	3.0	52
492	Beyond gut feelings: how the gut microbiota regulates blood pressure. Nature Reviews Cardiology, 2018, 15, 20-32.	13.7	287
493	The utility of twins in developmental cognitive neuroscience research: How twins strengthen the ABCD research design. Developmental Cognitive Neuroscience, 2018, 32, 30-42.	4.0	69
494	Prescribing Probiotics. , 2018, , 986-995.e4.		0
495	Links between bacteria derived from penguin guts and deposited guano and the surrounding soil microbiota. Polar Biology, 2018, 41, 269-281.	1.2	7

#	Article	IF	Citations
496	Microbiome. , 2018, , 99-128.		0
497	Gut Microbial and Metabolic Responses to Salmonella enterica Serovar Typhimurium and Candida albicans. MBio, 2018, 9, .	4.1	31
498	GutLogo: Agent-based modeling framework to investigate spatial and temporal dynamics in the gut microbiome. PLoS ONE, 2018, 13, e0207072.	2.5	15
499	Differential clustering of fecal and mucosaâ€associated microbiota in â€˜healthyâ€™ individuals. Journal of Digestive Diseases, 2018, 19, 745-752.	1.5	23
500	Gut Microbiota and its Role in Human Health. Psihologijske Teme, 2018, 27, 17-32.	0.2	1
501	Fecal bacterial microbiota of Canadian commercial mink (Neovison vison): Yearly, life stage, and seasonal comparisons. PLoS ONE, 2018, 13, e0207111.	2.5	12
502	Microbial Forensics: Beyond a Fascination. , 2018, , 295-306.		2
503	Resveratrol, Metabolic Syndrome, and Gut Microbiota. Nutrients, 2018, 10, 1651.	4.1	181
504	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. MBio, 2018, 9, .	4.1	70
505	Inherited nongenetic influences on the gut microbiome and immune system. Birth Defects Research, 2018, 110, 1494-1503.	1.5	10
506	A multi-amplicon 16S rRNA sequencing and analysis method for improved taxonomic profiling of bacterial communities. Journal of Microbiological Methods, 2018, 154, 6-13.	1.6	44
507	In silico Identification of Metagenomic Signature Describing Neurometabolic Potential of Normal Human Gut Microbiota. Russian Journal of Genetics, 2018, 54, 1101-1110.	0.6	10
508	Diversity-Function Relationships in Natural, Applied, and Engineered Microbial Ecosystems. Advances in Applied Microbiology, 2018, 105, 131-189.	2.4	13
509	Gut Microbiota and Iron: The Crucial Actors in Health and Disease. Pharmaceuticals, 2018, 11, 98.	3.8	186
510	Bifidobacterial strains in the intestines of newborns originate from their mothers. Bioscience of Microbiota, Food and Health, 2018, 37, 79-85.	1.8	16
511	Microbiome and Colorectal Cancer. Current Colorectal Cancer Reports, 2018, 14, 217-225.	0.5	5
512	Microbiome and diabetes: Where are we now?. Diabetes Research and Clinical Practice, 2018, 146, 111-118.	2.8	93
513	Social and population health science approaches to understand the human microbiome. Nature Human Behaviour, 2018, 2, 808-815.	12.0	33

#	Article	IF	Citations
514	Competitive lottery-based assembly of selected clades in the human gut microbiome. Microbiome, 2018, 6, 186.	11.1	44
515	Associations between Flavonoid Intakes and Gut Microbiota in a Group of Adults with Cystic Fibrosis. Nutrients, 2018, 10, 1264.	4.1	23
516	GePMI: A statistical model for personal intestinal microbiome identification. Npj Biofilms and Microbiomes, 2018, 4, 20.	6.4	7
517	Fecal microbiota and bile acid interactions with systemic and adipose tissue metabolism in diet-induced weight loss of obese postmenopausal women. Journal of Translational Medicine, 2018, 16, 244.	4.4	78
518	Temporal instability of the post-surgical maxillary sinus microbiota. BMC Infectious Diseases, 2018, 18, 441.	2.9	11
519	High-resolution ISR amplicon sequencing reveals personalized oral microbiome. Microbiome, 2018, 6, 153.	11.1	32
520	Association between Cigarette Smoking Status and Composition of Gut Microbiota: Population-Based Cross-Sectional Study. Journal of Clinical Medicine, 2018, 7, 282.	2.4	177
521	Effects of Transgenic Bt Rice Containing the Cry1Ab Protein on the Gastrointestinal Health of Highly Inbred Wuzhishan Pigs after Two Generations of Feeding. Journal of Agricultural and Food Chemistry, 2018, 66, 10575-10587.	5.2	1
522	Bacterial antagonism in host-associated microbial communities. Science, 2018, 361, .	12.6	236
523	The Gut-Brain Axis in Alzheimerâ€™s Disease and Omega-3. A Critical Overview of Clinical Trials. Nutrients, 2018, 10, 1267.	4.1	62
524	Exposure to Yeast Shapes the Intestinal Bacterial Community Assembly in Zebrafish Larvae. Frontiers in Microbiology, 2018, 9, 1868.	3.5	35
525	Analysis of the Rumen Microbiome and Metabolome to Study the Effect of an Antimethanogenic Treatment Applied in Early Life of Kid Goats. Frontiers in Microbiology, 2018, 9, 2227.	3.5	31
526	Diet Modifies Colonic Microbiota and CD4+ T-Cell Repertoire to Induce Flares of Colitis in Mice With Myeloid-Cell Expression of Interleukin 23. Gastroenterology, 2018, 155, 1177-1191.e16.	1.3	32
527	Comprehensive antibiotic-linked mutation assessment by resistance mutation sequencing (RM-seq). Genome Medicine, 2018, 10, 63.	8.2	26
528	Dietary energy level affects the composition of cecal microbiota of starter Pekin ducklings. Czech Journal of Animal Science, 2018, 63, 24-31.	1.3	2
529	Fecal Microbiota Transplantation: Therapeutic Potential for a Multitude of Diseases beyond Clostridium difficile. , 2018, , 291-308.		2
530	Bacterial translocation in patients with liver cirrhosis: physiology, clinical consequences, and practical implications. Expert Review of Gastroenterology and Hepatology, 2018, 12, 641-656.	3.0	95
531	Bifidobacterium pseudolongum in the Ceca of Rats Fed Hi-Maize Starch Has Characteristics of a Keystone Species in Bifidobacterial Blooms. Applied and Environmental Microbiology, 2018, 84, .	3.1	28

#	Article	IF	Citations
532	Interaction between Host MicroRNAs and the Gut Microbiota in Colorectal Cancer. MSystems, 2018, 3, .	3.8	97
533	Pathophysiology of diverticular disease. Expert Review of Gastroenterology and Hepatology, 2018, 12, 683-692.	3.0	35
534	Gut Microbiota Throughout the Lifespan. , 2018, , 41-55.		4
535	Fecal Microbiota Transplantation as Therapy for Inflammatory Bowel Disease. , 2018, , 319-327.		2
536	The Microbiota and Immune System Crosstalk in Health and Disease. Mediators of Inflammation, 2018, 2018, 1-3.	3.0	48
537	Interactions of Gut Microbiota, Endotoxemia, Immune Function, and Diet in Exertional Heatstroke. Hindawi Publishing Corporation, 2018, 2018, 1-33.	1.1	38
538	Spondyloarthritis. , 2018, , 201-220.		1
539	The gut microbiome and transplantation: An amazon jungle. Journal of Heart and Lung Transplantation, 2018, 37, 1043-1044.	0.6	6
540	The Gut Microbiome as a Target for the Treatment of Type 2 Diabetes. Current Diabetes Reports, 2018, 18, 55.	4.2	85
541	Deciphering microbial interactions in synthetic human gut microbiome communities. Molecular Systems Biology, 2018, 14, e8157.	7.2	361
542	Intestinal Microbiome in Health and Disease: Introduction. , 2018, , 1-3.		2
543	The effect of Lactobacillus fermentum ME-3 on the intestinal microbiota and urine polyamines content: A double-blind placebo-controlled pilot trial. Journal of Functional Foods, 2018, 48, 430-438.	3.4	9
544	The Potential of Gut Commensals in Reinforcing Intestinal Barrier Function and Alleviating Inflammation. Nutrients, 2018, 10, 988.	4.1	380
545	Effect of fermented vegetable beverage containing Pediococcus pentosaceus in patients with mild to moderate ulcerative colitis. Biomedical Reports, 2018, 9, 74-80.	2.0	11
546	The avian gut microbiota: community, physiology and function in wild birds. Journal of Avian Biology, 2018, 49, e01788.	1.2	194
547	Gut-Brain Psychology: Rethinking Psychology From the Microbiotaâ€“Gutâ€“Brain Axis. Frontiers in Integrative Neuroscience, 2018, 12, 33.	2.1	169
548	Composition and Function of the Gut Microbiome. , 2018, , 5-30.		5
549	Disruption of the Gut Ecosystem by Antibiotics. Yonsei Medical Journal, 2018, 59, 4.	2.2	132

#	Article	IF	Citations
550	The Promise of Personalized Medicine. , 2018, , 465-474.		0
551	The importance of being persistent: The first true resident gut symbiont in Drosophila. PLoS Biology, 2018, 16, e2006945.	5.6	22
552	Acclimation of Culturable Bacterial Communities under the Stresses of Different Organic Compounds. Frontiers in Microbiology, 2018, 9, 225.	3.5	8
553	Stem Cell Transcription Factor FoxO Controls Microbiome Resilience in Hydra. Frontiers in Microbiology, 2018, 9, 629.	3.5	24
554	Predicted Bacterial Interactions Affect in Vivo Microbial Colonization Dynamics in Nematostella. Frontiers in Microbiology, 2018, 9, 728.	3.5	36
555	Response of Gut Microbiota to Metabolite Changes Induced by Endurance Exercise. Frontiers in Microbiology, 2018, 9, 765.	3.5	144
556	Faecal microRNA as a biomarker of the activity and prognosis of inflammatory bowel diseases. Biochemical and Biophysical Research Communications, 2018, 503, 2443-2450.	2.1	43
557	Bacteriophages as New Human Viral Pathogens. Microorganisms, 2018, 6, 54.	3.6	61
558	Multiple stable states in microbial communities explained by the stable marriage problem. ISME Journal, 2018, 12, 2823-2834.	9.8	73
559	Strain-Level Analysis of Mother-to-Child Bacterial Transmission during the First Few Months of Life. Cell Host and Microbe, 2018, 24, 146-154.e4.	11.0	311
560	The Gut Microbiota and Healthy Aging: A Mini-Review. Gerontology, 2018, 64, 513-520.	2.8	270
561	Host contributes to longitudinal diversity of fecal microbiota in swine selected for lean growth. Microbiome, 2018, 6, 4.	11.1	90
562	The role of the microbiome for human health: from basic science to clinical applications. European Journal of Nutrition, 2018, 57, 1-14.	3.9	664
563	Non-Ischemic Heart Failure With Reduced Ejection Fraction Is Associated With Altered Intestinal Microbiota. Circulation Journal, 2018, 82, 1640-1650.	1.6	41
564	Low-abundant bacteria drive compositional changes in the gut microbiota after dietary alteration. Microbiome, 2018, 6, 86.	11.1	82
565	Intestinal microbiota in growing pigs: effects of stocking density. Food and Agricultural Immunology, 2018, 29, 524-535.	1.4	2
566	An exclusive metabolic niche enables strain engraftment in the gut microbiota. Nature, 2018, 557, 434-438.	27.8	262
567	Developmental Immunotoxicology Testing (DIT). , 2018, , 467-497.		2

#	Article	IF	Citations
568	High-Throughput Analysis Reveals Seasonal Variation of the Gut Microbiota Composition Within Forest Musk Deer (Moschus berezovskii). Frontiers in Microbiology, 2018, 9, 1674.	3.5	50
569	The Microbiome and Metabolome of Preterm Infant Stool Are Personalized and Not Driven by Health Outcomes, Including Necrotizing Enterocolitis and Late-Onset Sepsis. MSphere, 2018, 3, .	2.9	107
570	Nutritional Metabolomics: Postprandial Response of Meals Relating to Vegan, Lacto-Ovo Vegetarian, and Omnivore Diets. Nutrients, 2018, 10, 1063.	4.1	22
571	Microbial Biogeography Along the Gastrointestinal Tract of a Red Panda. Frontiers in Microbiology, 2018, 9, 1411.	3.5	26
572	Effects of Psychological, Environmental and Physical Stressors on the Gut Microbiota. Frontiers in Microbiology, 2018, 9, 2013.	3.5	323
573	The Role of Diet in Multiple Sclerosis: Mechanistic Connections and Current Evidence. Current Nutrition Reports, 2018, 7, 150-160.	4.3	114
574	Neonatal selection by Toll-like receptor 5 influences long-term gut microbiota composition. Nature, 2018, 560, 489-493.	27.8	153
575	Emerging Developments in Microbiome and Microglia Research: Implications for Neurodevelopmental Disorders. Frontiers in Immunology, 2018, 9, 1993.	4.8	16
576	Regulation of Cationic Antimicrobial Peptides Expression in the Digestive Tract. , 2018, , 1-20.		1
577	The Gut Microbiome Alterations and Inflammation-Driven Pathogenesis of Alzheimerâ€™s Diseaseâ€”a Critical Review. Molecular Neurobiology, 2019, 56, 1841-1851.	4.0	368
578	Gut Microbiota Pattern of Centenarians. , 2019, , 149-160.		1
579	Lactic Acid Bacteria and Gut Health. , 2019, , 239-260.		0
580	Investigating intestinal permeability and gut microbiota roles in acute coronary syndrome patients. Human Microbiome Journal, 2019, 13, 100059.	3.8	20
581	Streamlined Genetic Manipulation of Diverse Bacteroides and Parabacteroides Isolates from the Human Gut Microbiota. MBio, 2019, 10, .	4.1	80
582	Changes of serum lipopolysaccharide, inflammatory factors, and cecal microbiota in obese rats with type 2 diabetes induced by Roux-en-Y gastric bypass. Nutrition, 2019, 67-68, 110565.	2.4	6
583	A Comparative Analysis of Biosynthetic Gene Clusters in Lean and Obese Humans. BioMed Research International, 2019, 2019, 1-7.	1.9	4
584	Smoking and microbiome in oral, airway, gut and some systemic diseases. Journal of Translational Medicine, 2019, 17, 225.	4.4	183
585	31Â° South: The physiology of adaptation to arid conditions in a passerine bird. Molecular Ecology, 2019, 28, 3709-3721.	3.9	11

#	Article	IF	Citations
586	Models in Microbial Ecology. , 2019, , 211-211.		6
587	Increased Fecal Lactobacillus Is Associated With a Positive Glucose Hydrogen Breath Test in Bangladeshi Children. Open Forum Infectious Diseases, 2019, 6, ofz266.	0.9	4
588	Modelling approaches for studying the microbiome. Nature Microbiology, 2019, 4, 1253-1267.	13.3	114
589	Gut microbiome affects the response to anti-PD-1 immunotherapy in patients with hepatocellular carcinoma. , 2019, 7, 193.		304
590	Bioaccessibility, antioxidant activity and modulation effect on gut microbiota of bioactive compounds from Moringa oleifera Lam. leaves during digestion and fermentation in vitro. Food and Function, 2019, 10, 5070-5079.	4.6	54
591	A potential species of next-generation probiotics? The dark and light sides of Bacteroides fragilis in health. Food Research International, 2019, 126, 108590.	6.2	65
592	Confirmed and Potential Roles of Bacterial T6SSs in the Intestinal Ecosystem. Frontiers in Microbiology, 2019, 10, 1484.	3.5	42
593	Detecting interaction networks in the human microbiome with conditional Granger causality. PLoS Computational Biology, 2019, 15, e1007037.	3.2	28
594	Predicting the Longitudinally and Radially Varying Gut Microbiota Composition Using Multi-Scale Microbial Metabolic Modeling. Processes, 2019, 7, 394.	2.8	18
595	An Introduction to Personalized Nutrition. , 2019, , 3-32.		3
596	Gut microbiota density influences host physiology and is shaped by host and microbial factors. ELife, 2019, 8, .	6.0	118
597	Fresh Ideas Bloom in Gut Healthcare to Cross-Fertilize Lake Management. Environmental Science & Technology, 2019, 53, 14099-14112.	10.0	2
598	Metagenomic Insights into the Effects of Fructooligosaccharides (FOS) on the Composition of Luminal and Mucosal Microbiota in C57BL/6J Mice, Especially the Bifidobacterium Composition. Nutrients, 2019, 11, 2431.	4.1	23
599	The Human Gut Virome Is Highly Diverse, Stable, and Individual Specific. Cell Host and Microbe, 2019, 26, 527-541.e5.	11.0	449
600	Are the gut microbial systems of giant pandas unstable?. Heliyon, 2019, 5, e02480.	3.2	17
601	The gutâ€“kidneyâ€“heart axis in chronic kidney disease. Physiology International, 2019, 106, 195-206.	1.6	43
602	Systemic Lupus Erythematosus and dysbiosis in the microbiome: cause or effect or both?. Current Opinion in Immunology, 2019, 61, 80-85.	5.5	43
603	Gastrointestinal Tract Dysbiosis Enhances Distal Tumor Progression through Suppression of Leukocyte Trafficking. Cancer Research, 2019, 79, 5999-6009.	0.9	21

#	Article	IF	Citations
604	Lactobacillus brevis Alleviates DSS-Induced Colitis by Reprograming Intestinal Microbiota and Influencing Serum Metabolome in Murine Model. Frontiers in Physiology, 2019, 10, 1152.	2.8	33
605	Age-related compositional and functional changes in micro-pig gut microbiome. GeroScience, 2019, 41, 935-944.	4.6	30
606	Digestive Property and Bioactivity of Blackberry Polysaccharides with Different Molecular Weights. Journal of Agricultural and Food Chemistry, 2019, 67, 12428-12440.	5.2	46
607	Quantifying the impact of treatment history on plasmid-mediated resistance evolution in human gut microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23106-23116.	7.1	19
608	Combined Buckwheat d-Fagomine and Fish Omega-3 PUFAs Stabilize the Populations of Gut Prevotella and Bacteroides While Reducing Weight Gain in Rats. Nutrients, 2019, 11, 2606.	4.1	14
609	Dietâ€“microbiomeâ€“disease: Investigating dietâ€™s influence on infectious disease resistance through alteration of the gut microbiome. PLoS Pathogens, 2019, 15, e1007891.	4.7	49
610	Timescales of gut microbiome dynamics. Current Opinion in Microbiology, 2019, 50, 56-63.	5.1	27
611	Not Just a Passing Phage. Cell Host and Microbe, 2019, 26, 448-449.	11.0	4
612	Retinal artery occlusion is associated with compositional and functional shifts in the gut microbiome and altered trimethylamine-N-oxide levels. Scientific Reports, 2019, 9, 15303.	3.3	19
613	Gut Microbiota Profiles Differ among Individuals Depending on Their Region of Origin: An Italian Pilot Study. International Journal of Environmental Research and Public Health, 2019, 16, 4065.	2.6	41
614	Scales of persistence: transmission and the microbiome. Current Opinion in Microbiology, 2019, 50, 42-49.	5.1	31
615	Is there any association between gut microbiota and type 1 diabetes? A systematic review. Gut Pathogens, 2019, 11, 49.	3.4	63
616	Pursuing Human-Relevant Gut Microbiota-Immune Interactions. Immunity, 2019, 51, 225-239.	14.3	105
617	Gut segments outweigh the diet in shaping the intestinal microbiota composition in grass carp Ctenopharyngodon idellus. AMB Express, 2019, 9, 44.	3.0	14
618	Fungi form interkingdom microbial communities in the primordial human gut that develop with gestational age. FASEB Journal, 2019, 33, 12825-12837.	0.5	44
619	The Gut Microbiota in the First Decade of Life. Trends in Microbiology, 2019, 27, 997-1010.	7.7	368
620	Drivers of human gut microbial community assembly: coadaptation, determinism and stochasticity. ISME Journal, 2019, 13, 3080-3092.	9.8	24
621	A library of human gut bacterial isolates paired with longitudinal multiomics data enables mechanistic microbiome research. Nature Medicine, 2019, 25, 1442-1452.	30.7	255

#	Article	IF	Citations
622	Interspecies Competition Impacts Targeted Manipulation of Human Gut Bacteria by Fiber-Derived Glycans. Cell, 2019, 179, 59-73.e13.	28.9	224
623	Comparative analysis of amplicon and metagenomic sequencing methods reveals key features in the evolution of animal metaorganisms. Microbiome, 2019, 7, 133.	11.1	141
624	A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals. Microbiome, 2019, 7, 130.	11.1	101
625	Interplay between the human gut microbiome and host metabolism. Nature Communications, 2019, 10, 4505.	12.8	450
626	Comparative analysis of midgut bacterial community under Vibrio splendidus infection in Apostichopus japonicus with hindgut as a reference. Aquaculture, 2019, 513, 734427.	3.5	15
627	Microbial network disturbances in relapsing refractory Crohnâ€™s disease. Nature Medicine, 2019, 25, 323-336.	30.7	277
628	Antibiotics-induced monodominance of a novel gut bacterial order. Gut, 2019, 68, 1781-1790.	12.1	73
629	The role of chronic kidney disease-associated dysbiosis in cardiovascular disease. Experimental Biology and Medicine, 2019, 244, 514-525.	2.4	18
630	Metabolic Modeling of Human Gut Microbiota on a Genome Scale: An Overview. Metabolites, 2019, 9, 22.	2.9	66
631	Microbiota-nourishing Immunity and Its Relevance for Ulcerative Colitis. Inflammatory Bowel Diseases, 2019, 25, 811-815.	1.9	26
632	Social dynamics modeling of chrono-nutrition. PLoS Computational Biology, 2019, 15, e1006714.	3.2	9
634	Close social relationships correlate with human gut microbiota composition. Scientific Reports, 2019, 9, 703.	3.3	134
635	Evolutionary dynamics of bacteria in the gut microbiome within and across hosts. PLoS Biology, 2019, 17, e3000102.	5.6	257
636	Nutritional influence on bone: role of gut microbiota. Aging Clinical and Experimental Research, 2019, 31, 743-751.	2.9	43
637	The Gut Microbiome: Unleashing the Doctor Within. American Journal of Lifestyle Medicine, 2019, 13, 265-268.	1.9	0
638	Microbiota and gastrointestinal cancer. Journal of the Formosan Medical Association, 2019, 118, S32-S41.	1.7	61
639	The Role of the Gut Microbiome in Predicting Response to Diet and the Development of Precision Nutrition Models. Part II: Results. Advances in Nutrition, 2019, 10, 979-998.	6.4	50
640	Maternal Exposure to Non-nutritive Sweeteners Impacts Progenyâ€™s Metabolism and Microbiome. Frontiers in Microbiology, 2019, 10, 1360.	3.5	65

#	Article	IF	Citations
641	Understanding the Role of the Gut Microbiome and Microbial Metabolites in Obesity and Obesity-Associated Metabolic Disorders: Current Evidence and Perspectives. Current Obesity Reports, 2019, 8, 317-332.	8.4	182
642	Pushing the envelope: LPS modifications and their consequences. Nature Reviews Microbiology, 2019, 17, 403-416.	28.6	294
643	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. Nature, 2019, 569, 655-662.	27.8	1,638
644	The Integrative Human Microbiome Project. Nature, 2019, 569, 641-648.	27.8	816
645	The intestinal microbiota and cardiovascular disease. Cardiovascular Research, 2019, 115, 1471-1486.	3.8	33
646	Gut microbial modulation in the treatment of chemotherapy-induced diarrhea with Shenzhu Capsule. BMC Complementary and Alternative Medicine, 2019, 19, 126.	3.7	22
647	â€œCandida AlbicansInteractions With The Host: Crossing The Intestinal Epithelial Barrierâ€• Tissue Barriers, 2019, 7, 1612661.	3.2	49
648	The impact of skin care products on skin chemistry and microbiome dynamics. BMC Biology, 2019, 17, 47.	3.8	101
649	Using fecal microbiota as biomarkers for predictions of performance in the selective breeding process of pedigree broiler breeders. PLoS ONE, 2019, 14, e0216080.	2.5	27
650	Predicting Growth and Carcass Traits in Swine Using Microbiome Data and Machine Learning Algorithms. Scientific Reports, 2019, 9, 6574.	3.3	38
651	Consumption of polysaccharides from Auricularia auricular modulates the intestinal microbiota in mice. Food Research International, 2019, 123, 383-392.	6.2	63
652	Rethinking gut microbiome residency and the Enterobacteriaceae in healthy human adults. ISME Journal, 2019, 13, 2306-2318.	9.8	97
653	Social-Stress-Responsive Microbiota Induces Stimulation of Self-Reactive Effector T Helper Cells. MSystems, 2019, 4, .	3.8	39
654	Dairy and Nondairy-Based Beverages as a Vehicle for Probiotics, Prebiotics, and Symbiotics: Alternatives to Health Versus Disease Binomial Approach Through Food. , 2019, , 473-520.		10
655	Adaptive Evolution within Gut Microbiomes of Healthy People. Cell Host and Microbe, 2019, 25, 656-667.e8.	11.0	289
656	Diversity of nasal microbiota and its interaction with surface microbiota among residents in healthcare institutes. Scientific Reports, 2019, 9, 6175.	3.3	30
657	Gut microbiome interventions in human health and diseases. Medicinal Research Reviews, 2019, 39, 2286-2313.	10.5	52
658	Stereotypes About Enterotype: the Old and New Ideas. Genomics, Proteomics and Bioinformatics, 2019, 17, 4-12.	6.9	97

#	Article	IF	Citations
659	Precision Nutrition and the Microbiome, Part I: Current State of the Science. Nutrients, 2019, 11, 923.	4.1	220
660	Modelling microbiome recovery after antibiotics using a stability landscape framework. ISME Journal, 2019, 13, 1845-1856.	9.8	98
661	Microbiome diurnal rhythmicity and its impact on host physiology and disease risk. EMBO Reports, 2019, 20, .	4.5	66
662	Diabetic cats have decreased gut microbial diversity and a lack of butyrate producing bacteria. Scientific Reports, 2019, 9, 4822.	3.3	40
663	The founder hypothesis: A basis for microbiota resistance, diversity in taxa carriage, and colonization resistance against pathogens. PLoS Pathogens, 2019, 15, e1007563.	4.7	67
664	Effects of Flammulina velutipes polysaccharide on immune response and intestinal microbiota in mice. Journal of Functional Foods, 2019, 56, 255-264.	3.4	79
665	Transmission of human-associated microbiota along family and social networks. Nature Microbiology, 2019, 4, 964-971.	13.3	149
666	Microbial Engraftment and Efficacy of Fecal Microbiota Transplant for Clostridium Difficile in Patients With and Without Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2019, 25, 969-979.	1.9	38
667	The Use of Defined Microbial Communities To Model Host-Microbe Interactions in the Human Gut. Microbiology and Molecular Biology Reviews, 2019, 83, .	6.6	56
668	Chronic kidney disease and the gut microbiome. American Journal of Physiology - Renal Physiology, 2019, 316, F1211-F1217.	2.7	147
669	Species identity dominates over environment in shaping the microbiota of small mammals. Ecology Letters, 2019, 22, 826-837.	6.4	94
670	Protein Supplements and Their Relation with Nutrition, Microbiota Composition and Health: Is More Protein Always Better for Sportspeople?. Nutrients, 2019, 11, 829.	4.1	69
671	A potential role for the gut microbiome in substance use disorders. Psychopharmacology, 2019, 236, 1513-1530.	3.1	110
672	Targeting NLRP3 Inflammasome in Inflammatory Bowel Disease: Putting out the Fire of Inflammation. Inflammation, 2019, 42, 1147-1159.	3.8	72
673	Primate microbiomes over time: Longitudinal answers to standing questions in microbiome research. American Journal of Primatology, 2019, 81, e22970.	1.7	46
674	The Human Microbiota and Prostate Cancer: Friend or Foe?. Cancers, 2019, 11, 459.	3.7	38
675	The Dimension of Time in Host-Microbiome Interactions. MSystems, 2019, 4, .	3.8	49
676	Gut Microbiota-Derived Mediators as Potential Markers in Nonalcoholic Fatty Liver Disease. BioMed Research International, 2019, 2019, 1-10.	1.9	37

#	Article	IF	Citations
677	Klebsiella oxytoca enterotoxins tilimycin and tilivalline have distinct host DNA-damaging and microtubule-stabilizing activities. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3774-3783.	7.1	45
678	Dietary Short Chain Fatty Acids: How the Gut Microbiota Fight Against Autoimmune and Inflammatory Diseases. , 2019, , 139-159.		5
679	The Relationship between Platelet Count and Host Gut Microbiota: A Population-Based Retrospective Cross-Sectional Study. Journal of Clinical Medicine, 2019, 8, 230.	2.4	8
680	Chapter 18 Cross-feeding during human colon fermentation. , 2019, , 313-338.		1
681	Methods in microbiome research: Past, present, and future. Best Practice and Research in Clinical Rheumatology, 2019, 33, 101498.	3.3	12
682	The chimpanzees of the TaÃ¯ Forest as models for hominine microorganism ecology and evolution. , 2019, , 366-384.		0
683	A Bayesian framework for identifying consistent patterns of microbial abundance between body sites. Statistical Applications in Genetics and Molecular Biology, 2019, 18, .	0.6	4
684	Type-2 Diabetics Reduces Spatial Variation of Microbiome Based on Extracellular Vesicles from Gut Microbes across Human Body. Scientific Reports, 2019, 9, 20136.	3.3	20
685	Temporal stability of the rumen microbiota in beef cattle, and response to diet and supplements. Animal Microbiome, 2019, 1, 16.	3.8	29
686	Altered Gut Microbiota Diversity and Composition in Chronic Urticaria. Disease Markers, 2019, 2019, 1-11.	1.3	30
687	Sharing of gut microbial strains between selected individual sets of twins cohabitating for decades. PLoS ONE, 2019, 14, e0226111.	2.5	31
688	Maternal and Breast Milk Influences on the Infant Gut Microbiome, Enteric Health and Growth Outcomes of Rhesus Monkeys. Journal of Pediatric Gastroenterology and Nutrition, 2019, 69, 363-369.	1.8	10
689	The effect of surgical fecal stream diversion of the healthy colon on the colonic microbiota. European Journal of Gastroenterology and Hepatology, 2019, 31, 451-457.	1.6	7
690	The Gut Microbiome in Inflammatory Bowel Diseases: Diagnostic and Therapeutic Implications. Visceral Medicine, 2019, 35, 332-337.	1.3	4
691	Investigations of Bacteroides spp. towards next-generation probiotics. Food Research International, 2019, 116, 637-644.	6.2	121
692	The Human Mesenteric Lymph Node Microbiome Differentiates Between Crohnâ€™s Disease and Ulcerative Colitis. Journal of Crohn's and Colitis, 2019, 13, 58-66.	1.3	46
693	Temporal Variability and Stability of the Fecal Microbiome: The Multiethnic Cohort Study. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 154-162.	2.5	31
694	Assessing the Influence of Dietary History on Gut Microbiota. Current Microbiology, 2019, 76, 237-247.	2.2	10

#	Article	IF	Citations
695	Impact of gut microbiota on gutâ€distal autoimmunity: a focus on T cells. Immunology, 2019, 156, 305-318.	4.4	38
696	Juvenile Rats Show Altered Gut Microbiota After Exposure to Isoflurane as Neonates. Neurochemical Research, 2019, 44, 776-786.	3.3	17
697	Planting the Microbiome. Trends in Microbiology, 2019, 27, 90-93.	7.7	11
698	Hydrogen cross-feeders of the human gastrointestinal tract. Gut Microbes, 2019, 10, 270-288.	9.8	100
699	Metabolic Basis for Mutualism between Gut Bacteria and Its Impact on the Drosophila melanogaster Host. Applied and Environmental Microbiology, 2019, 85, .	3.1	85
700	Hydra as Model to Determine the Role of FOXO in Longevity. Methods in Molecular Biology, 2019, 1890, 231-238.	0.9	2
701	The Role of the Mycobiota in the Gut-Liver Axis. , 2019, , 133-145.		1
702	Heterogeneity in gut microbiota drive polyphenol metabolism that influences Î±-synuclein misfolding and toxicity. Journal of Nutritional Biochemistry, 2019, 64, 170-181.	4.2	52
703	The Human Microbiota and Asthma. Clinical Reviews in Allergy and Immunology, 2019, 57, 350-363.	6.5	92
704	Nod2 influences microbial resilience and susceptibility to colitis following antibiotic exposure. Mucosal Immunology, 2019, 12, 720-732.	6.0	31
705	A great-ape view of the gutÂmicrobiome. Nature Reviews Genetics, 2019, 20, 195-206.	16.3	49
706	Cross-Domain and Viral Interactions in the Microbiome. Microbiology and Molecular Biology Reviews, 2019, 83, .	6.6	95
707	Sex Differences in the Gut Microbiota as Potential Determinants of Gender Predisposition to Disease. Molecular Nutrition and Food Research, 2019, 63, e1800870.	3.3	103
708	Microbial Ecology of Fermented Vegetables and Non-Alcoholic Drinks and Current Knowledge on Their Impact on Human Health. Advances in Food and Nutrition Research, 2019, 87, 147-185.	3.0	47
709	The interplay among gut microbiota, hypertension and kidney diseases: The role of short-chain fatty acids. Pharmacological Research, 2019, 141, 366-377.	7.1	94
710	Longitudinal changes during pregnancy in gut microbiota and methylmercury biomarkers, and reversal of microbe-exposure correlations. Environmental Research, 2019, 172, 700-712.	7.5	20
711	Microbiotas from Humans with Inflammatory Bowel Disease Alter the Balance of Gut Th17 and RORÎ³t+ Regulatory T Cells and Exacerbate Colitis in Mice. Immunity, 2019, 50, 212-224.e4.	14.3	345
712	Bacterial imbalance and gut pathologies: Association and contribution of E. coli in inflammatory bowel disease. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 1-17.	6.1	33

#	Article	IF	Citations
713	The gut microbiome: Relationships with disease and opportunities for therapy. Journal of Experimental Medicine, 2019, 216, 20-40.	8.5	547
714	Gut microbiota dynamics in travelers returning from India colonized with extended-spectrum cephalosporin-resistant Enterobacteriaceae: A longitudinal study. Travel Medicine and Infectious Disease, 2019, 27, 72-80.	3.0	26
715	Coordinated change at the colony level in fruit bat fur microbiomes through time. Nature Ecology and Evolution, 2019, 3, 116-124.	7.8	51
716	Microbiota in cancer development and treatment. Journal of Cancer Research and Clinical Oncology, 2019, 145, 49-63.	2.5	64
717	Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease. Hepatology Communications, 2019, 3, 29-43.	4.3	27
718	Rome Foundation Working Team Report on Post-Infection Irritable Bowel Syndrome. Gastroenterology, 2019, 156, 46-58.e7.	1.3	162
719	Diet, Microbiota, and Bone Health. , 2019, , 143-168.		2
720	You are what you eat: diet, health and the gut microbiota. Nature Reviews Gastroenterology and Hepatology, 2019, 16, 35-56.	17.8	980
721	The Gut Microbiota and Hematopoietic Stem Cell Transplantation: Challenges and Potentials. Journal of Innate Immunity, 2019, 11, 405-415.	3.8	33
722	Current evidence linking diet to gut microbiota and brain development and function. International Journal of Food Sciences and Nutrition, 2019, 70, 1-19.	2.8	69
723	Using Data Science for Medical Decision Making Case: Role of Gut Microbiome in Multiple Sclerosis. IFMBE Proceedings, 2020, , 349-356.	0.3	1
724	Mining Lactobacillus and Bifidobacterium for organisms with long-term gut colonization potential. Clinical Nutrition, 2020, 39, 1315-1323.	5.0	40
725	Microbial Contribution to the Human Metabolome: Implications for Health and Disease. Annual Review of Pathology: Mechanisms of Disease, 2020, 15, 345-369.	22.4	104
726	The antibody/microbiota interface in health and disease. Mucosal Immunology, 2020, 13, 3-11.	6.0	48
727	The Role of the Gut Microbiome in Colorectal Cancer: Where Are We? Where Are We Going?. Clinical Colorectal Cancer, 2020, 19, 5-12.	2.3	38
728	Insoluble dietary fiber from soy hulls regulates the gut microbiota in vitro and increases the abundance of bifidobacteriales and lactobacillales. Journal of Food Science and Technology, 2020, 57, 152-162.	2.8	34
729	Natural diets promote retention of the native gut microbiota in captive rodents. ISME Journal, 2020, 14, 67-78.	9.8	83
730	Microbial succession during wheat bran fermentation and colonisation by human faecal microbiota as a result of niche diversification. ISME Journal, 2020, 14, 584-596.	9.8	30

#	Article	IF	Citations
731	In vitro digestibility and prebiotic activities of a sulfated polysaccharide from Gracilaria Lemaneiformis. Journal of Functional Foods, 2020, 64, 103652.	3.4	74
732	Beneficial effects of three brown seaweed polysaccharides on gut microbiota and their structural characteristics: An overview. International Journal of Food Science and Technology, 2020, 55, 1199-1206.	2.7	39
733	Altered microbiota composition reflects enhanced communication in 15q11-13 CNV mice. Neuroscience Research, 2020, 161, 59-67.	1.9	8
734	Tracking microbial evolution in the human gut using Hi-C reveals extensive horizontal gene transfer, persistence and adaptation. Nature Microbiology, 2020, 5, 343-353.	13.3	101
735	Distant Immune and Microbiome Regulation. , 2020, , 599-611.		0
736	Gut microbiome composition and diversity are related to human personality traits. Human Microbiome Journal, 2020, 15, 100069.	3.8	119
737	Prebiotic role of softwood hemicellulose in healthy mice model. Journal of Functional Foods, 2020, 64, 103688.	3.4	20
738	Microbiome and hypertension: where are we now?. Journal of Cardiovascular Medicine, 2020, 21, 83-88.	1.5	35
739	Toxigenic gut bacteria, diet and colon carcinogenesis. Journal of the Royal Society of New Zealand, 2020, 50, 418-433.	1.9	3
740	Understanding immuneâ€“microbiota interactions in the intestine. Immunology, 2020, 159, 4-14.	4.4	62
741	The Role of Gut Microbiota in Antimicrobial Resistance: A Mini-Review. Anti-Infective Agents, 2020, 18, 201-206.	0.4	2
742	Toll-like Receptor-6 Signaling Prevents Inflammation and Impacts Composition of the Microbiota During Inflammation-Induced Colorectal Cancer. Cancer Prevention Research, 2020, 13, 25-40.	1.5	15
743	Population Genetics in the Human Microbiome. Trends in Genetics, 2020, 36, 53-67.	6.7	97
744	The Role of the Canine Gut Microbiome and Metabolome in Health and Gastrointestinal Disease. Frontiers in Veterinary Science, 2019, 6, 498.	2.2	215
746	Î±-Defensins Promote Bacteroides Colonization on Mucosal Reservoir to Prevent Antibiotic-Induced Dysbiosis. Frontiers in Immunology, 2020, 11, 2065.	4.8	14
747	Early development of the skin microbiome: therapeutic opportunities. Pediatric Research, 2021, 90, 731-737.	2.3	14
748	Using Cordyceps militaris extracellular polysaccharides to prevent Pb²⁺-induced liver and kidney toxicity by activating Nrf2 signals and modulating gut microbiota. Food and Function, 2020, 11, 9226-9239.	4.6	29
749	Implications of gut microbiome on coronary artery disease. Cardiovascular Diagnosis and Therapy, 2020, 10, 869-880.	1.7	17

#	Article	IF	Citations
750	Understanding the impact of antibiotic perturbation on the human microbiome. Genome Medicine, 2020, 12, 82.	8.2	148
751	From Welfare to Warfare: The Arbitration of Host-Microbiota Interplay by the Type VI Secretion System. Frontiers in Cellular and Infection Microbiology, 2020, 10, 587948.	3.9	21
752	The Gut Microbiome and Bone Strength. Current Osteoporosis Reports, 2020, 18, 677-683.	3.6	35
753	Deciphering diet-gut microbiota-host interplay: Investigations of pectin. Trends in Food Science and Technology, 2020, 106, 171-181.	15.1	62
754	Dynamic change of the gastrointestinal bacterial ecology in cows from birth to adulthood. MicrobiologyOpen, 2020, 9, e1119.	3.0	14
755	An Assessment of the Stability of the Canine Oral Microbiota After Probiotic Administration in Healthy Dogs Over Time. Frontiers in Veterinary Science, 2020, 7, 616.	2.2	11
756	Rationale, design and baseline characteristics of the Microbiome and Insulin Longitudinal Evaluation Study (<scp>MILES</scp>). Diabetes, Obesity and Metabolism, 2020, 22, 1976-1984.	4.4	9
757	The gut microbiome stability is altered by probiotic ingestion and improved by the continuous supplementation of galactooligosaccharide. Gut Microbes, 2020, 12, 1785252.	9.8	39
758	Opportunistic detection of Fusobacterium nucleatum as a marker for the early gut microbial dysbiosis. BMC Microbiology, 2020, 20, 208.	3.3	35
759	A novel inulin-type fructan from Asparagus cochinchinensis and its beneficial impact on human intestinal microbiota. Carbohydrate Polymers, 2020, 247, 116761.	10.2	54
760	Spatial heterogeneity of bacterial colonization across different gut segments following inter-species microbiota transplantation. Microbiome, 2020, 8, 161.	11.1	63
761	Contribution of biofilm formation genetic locus, pgaABCD, to antibiotic resistance development in gut microbiome. Gut Microbes, 2020, 12, 1842992.	9.8	9
762	Dynamics of the bacterial gut microbiota during controlled human infection with Necator americanus larvae. Gut Microbes, 2020, 12, 1840764.	9.8	6
763	Distinct Stage Changes in Early-Life Colonization and Acquisition of the Gut Microbiota and Its Correlations With Volatile Fatty Acids in Goat Kids. Frontiers in Microbiology, 2020, 11, 584742.	3.5	19
764	Synthetic Biology Approaches in the Development of Engineered Therapeutic Microbes. International Journal of Molecular Sciences, 2020, 21, 8744.	4.1	23
765	Adhesive Bacteria in the Terminal Ileum of Children Correlates With Increasing Th17 Cell Activation. Frontiers in Pharmacology, 2020, 11, 588560.	3.5	10
766	Oxygen and Metabolism: Digesting Determinants of Antibiotic Susceptibility in the Gut. IScience, 2020, 23, 101875.	4.1	1
767	Both endogenous and exogenous miR-139â€“5p inhibit Fusobacterium nucleatum-related colorectal cancer development. European Journal of Pharmacology, 2020, 888, 173459.	3.5	9

#	Article	IF	Citations
768	Randomised clinical study: oral aspirin 325Âmg daily vs placebo alters gut microbial composition and bacterial taxa associated with colorectal cancer risk. Alimentary Pharmacology and Therapeutics, 2020, 52, 976-987.	3.7	40
769	Polysaccharides catabolism by the human gut bacterium -Bacteroides thetaiotaomicron: advances and perspectives. Critical Reviews in Food Science and Nutrition, 2021, 61, 3569-3588.	10.3	30
770	Intestinal epithelial glycosylation in homeostasis and gut microbiota interactions in IBD. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 597-617.	17.8	138
771	Rhubarb Enema Improved Colon Mucosal Barrier Injury in 5/6 Nephrectomy Rats May Associate With Gut Microbiota Modification. Frontiers in Pharmacology, 2020, 11, 1092.	3.5	40
772	Gut T cellâ€"independent IgA responses to commensal bacteria require engagement of the TACI receptor on B cells. Science Immunology, 2020, 5, .	11.9	40
773	Modeling host-microbiome interactions for the prediction of meat quality and carcass composition traits in swine. Genetics Selection Evolution, 2020, 52, 41.	3.0	14
774	Impact of Protein Intake in Older Adults with Sarcopenia and Obesity: A Gut Microbiota Perspective. Nutrients, 2020, 12, 2285.	4.1	47
775	Methionine Restriction Regulates Cognitive Function in Highâ€Fat Dietâ€Fed Mice: Roles of Diurnal Rhythms of SCFAs Producingâ€•and Inflammationâ€Related Microbes. Molecular Nutrition and Food Research, 2020, 64, e2000190.	3.3	30
776	Roles of intestinal bacteroides in human health and diseases. Critical Reviews in Food Science and Nutrition, 2021, 61, 3518-3536.	10.3	66
777	Candida rugosa lipase alters the gastrointestinal environment in wild-type mice. Biomedicine and Pharmacotherapy, 2020, 130, 110579.	5.6	3
778	Mass spectrometryâ€based lipidomics in food science and nutritional health: A comprehensive review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2530-2558.	11.7	63
779	Short-Chain Fatty Acid Production by Gut Microbiota from Children with Obesity Differs According to Prebiotic Choice and Bacterial Community Composition. MBio, 2020, 11, .	4.1	49
780	Vitamin D Supplementation in Laboratory-Bred Mice: An In Vivo Assay on Gut Microbiome and Body Weight. Microbiology Insights, 2020, 13, 117863612094529.	2.0	2
781	Strain-level epidemiology of microbial communities and the human microbiome. Genome Medicine, 2020, 12, 71.	8.2	75
782	Widespread protein lysine acetylation in gut microbiome and its alterations in patients with Crohnâ€™s disease. Nature Communications, 2020, 11, 4120.	12.8	32
783	Gut microbiota and artificial intelligence approaches: A scoping review. Health and Technology, 2020, 10, 1343-1358.	3.6	16
784	Drugging the microbiome. Journal of Experimental Medicine, 2020, 217, .	8.5	11
785	Lactobacillus plantarum L15 Alleviates Colitis by Inhibiting LPS-Mediated NF-Î¹B Activation and Ameliorates DSS-Induced Gut Microbiota Dysbiosis. Frontiers in Immunology, 2020, 11, 575173.	4.8	59

#	Article	IF	Citations
787	Host Genetic Background and Gut Microbiota Contribute to Differential Metabolic Responses to Fructose Consumption in Mice. Journal of Nutrition, 2020, 150, 2716-2728.	2.9	15
788	The Microbiome as a Therapeutic Target for Multiple Sclerosis: Can Genetically Engineered Probiotics Treat the Disease?. Diseases (Basel, Switzerland), 2020, 8, 33.	2.5	15
789	Feasibility of fecal microbiota transplantation via oral gavage to safely alter gut microbiome composition in marmosets. American Journal of Primatology, 2020, 82, e23196.	1.7	3
790	The impact of anthelmintic treatment on gut bacterial and fungal communities in diagnosed parasite-free sika deer Cervus nippon. Applied Microbiology and Biotechnology, 2020, 104, 9239-9250.	3.6	11
791	Shining Light on Human Gut Bacteriophages. Frontiers in Cellular and Infection Microbiology, 2020, 10, 481.	3.9	47
792	Pivotal Roles for pH, Lactate, and Lactate-Utilizing Bacteria in the Stability of a Human Colonic Microbial Ecosystem. MSystems, 2020, 5, .	3.8	67
793	Gut Microbiota and Intestinal Trans-Epithelial Permeability. International Journal of Molecular Sciences, 2020, 21, 6402.	4.1	149
794	The Gut Barrier, Intestinal Microbiota, and Liver Disease: Molecular Mechanisms and Strategies to Manage. International Journal of Molecular Sciences, 2020, 21, 8351.	4.1	67
795	The biological effects of microencapsulated organic acids and botanicals induces tissue-specific and dose-dependent changes to the Gallus gallus microbiota. BMC Microbiology, 2020, 20, 332.	3.3	9
796	Rekindling old friendships in new landscapes: The environmentâ€“microbiomeâ€“health axis in the realms of landscape research. People and Nature, 2020, 2, 339-349.	3.7	19
797	The gut microbiome and frailty. Translational Research, 2020, 221, 23-43.	5.0	22
798	Microbiota in non-IgE-mediated food allergy. Current Opinion in Allergy and Clinical Immunology, 2020, 20, 323-328.	2.3	17
799	Early Signs of Gut Microbiome Aging: Biomarkers of Inflammation, Metabolism, and Macromolecular Damage in Young Adulthood. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1258-1266.	3.6	19
800	Low birth weight trends: possible impacts on the prevalences of hypertension and chronic kidney disease. Hypertension Research, 2020, 43, 859-868.	2.7	33
801	The athletic gut microbiota. Journal of the International Society of Sports Nutrition, 2020, 17, 24.	3.9	157
802	Shortâ€term highâ€intensity interval training exercise does not affect gut bacterial community diversity or composition of lean and overweight men. Experimental Physiology, 2020, 105, 1268-1279.	2.0	30
803	Very-Low-Calorie Ketogenic Diets With Whey, Vegetable, or Animal Protein in Patients With Obesity: A Randomized Pilot Study. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2939-2949.	3.6	81
804	The composition and richness of the gut microbiota differentiate the top Polish endurance athletes from sedentary controls. Gut Microbes, 2020, 11, 1374-1384.	9.8	48

#	Article	IF	Citations
805	Probiotics, Prebiotics, Synbiotics, Postbiotics, and Obesity: Current Evidence, Controversies, and Perspectives. Current Obesity Reports, 2020, 9, 179-192.	8.4	103
806	Attributes of Physical Activity and Gut Microbiome in Adults: A Systematic Review. International Journal of Sports Medicine, 2020, 41, 801-814.	1.7	31
807	Potential of High- and Low-Acetylated Galactoglucomannooligosaccharides as Modulators of the Microbiota Composition and Their Activity: A Comparison Using the In Vitro Model of the Human Colon TIM-2. Journal of Agricultural and Food Chemistry, 2020, 68, 7617-7629.	5.2	8
808	Human resident gut microbe Bacteroides thetaiotaomicron regulates colonic neuronal innervation and neurogenic function. Gut Microbes, 2020, 11, 1745-1757.	9.8	45
809	Persistence of a Core Microbiome Through the Ontogeny of a Multi-Host Parasite. Frontiers in Microbiology, 2020, 11, 954.	3.5	26
810	Microbiota Composition and Evenness Predict Survival Rate of Oysters Confronted to Pacific Oyster Mortality Syndrome. Frontiers in Microbiology, 2020, 11, 311.	3.5	57
811	Environmental remodeling of human gut microbiota and antibiotic resistome in livestock farms. Nature Communications, 2020, 11, 1427.	12.8	133
812	Metabolites Linking the Gut Microbiome with Risk for Type 2 Diabetes. Current Nutrition Reports, 2020, 9, 83-93.	4.3	48
813	Combined analysis of microbial metagenomic and metatranscriptomic sequencing data to assess in situ physiological conditions in the premature infant gut. PLoS ONE, 2020, 15, e0229537.	2.5	8
814	Dynamic interactions within the host-associated microbiota cause tumor formation in the basal metazoan Hydra. PLoS Pathogens, 2020, 16, e1008375.	4.7	28
815	Preâ€existing heterologous Tâ€cell immunity and neoantigen immunogenicity. Clinical and Translational Immunology, 2020, 9, e01111.	3.8	26
816	Genetic circuit design automation for the gut resident species Bacteroides thetaiotaomicron. Nature Biotechnology, 2020, 38, 962-969.	17.5	79
817	The gut microbiome in Parkinson's disease: A culprit or a bystander?. Progress in Brain Research, 2020, 252, 357-450.	1.4	70
818	Gut microbiome of native Arab Kuwaitis. Gut Pathogens, 2020, 12, 10.	3.4	7
819	The link â€œCancer and autoimmune diseasesâ€• in the light of microbiota: Evidence of a potential culprit. Immunology Letters, 2020, 222, 12-28.	2.5	14
820	The faecal scent of inflammatory bowel disease: Detection and monitoring based on volatile organic compound analysis. Digestive and Liver Disease, 2020, 52, 745-752.	0.9	9
821	Bifidobacterium bifidum Suppresses Gut Inflammation Caused by Repeated Antibiotic Disturbance Without Recovering Gut Microbiome Diversity in Mice. Frontiers in Microbiology, 2020, 11, 1349.	3.5	23
822	Phase-variable capsular polysaccharides and lipoproteins modify bacteriophage susceptibility in Bacteroides thetaiotaomicron. Nature Microbiology, 2020, 5, 1170-1181.	13.3	82

#	Article	IF	Citations
823	Interindividual Variation in Dietary Carbohydrate Metabolism by Gut Bacteria Revealed with Droplet Microfluidic Culture. MSystems, 2020, 5, .	3.8	34
824	Seasonal Variation and Sexual Dimorphism of the Microbiota in Wild Blue Sheep (Pseudois nayaur). Frontiers in Microbiology, 2020, 11, 1260.	3.5	15
825	Sturgeon hydrolysates alleviate DSS-induced colon colitis in mice by modulating NF-ÎºB, MAPK, and microbiota composition. Food and Function, 2020, 11, 6987-6999.	4.6	36
826	Proteomics and Metaproteomics Add Functional, Taxonomic and Biomass Dimensions to Modeling the Ecosystem at the Mucosal-luminal Interface. Molecular and Cellular Proteomics, 2020, 19, 1409-1417.	3.8	13
827	A gut feeling about the ketogenic diet in epilepsy. Epilepsy Research, 2020, 166, 106409.	1.6	11
828	Metagenomics Study Reveals Changes in Gut Microbiota in Centenarians: A Cohort Study of Hainan Centenarians. Frontiers in Microbiology, 2020, 11, 1474.	3.5	36
829	Time of Feeding Alters Obesity-Associated Parameters and Gut Bacterial Communities, but Not Fungal Populations, in C57BL/6 Male Mice. Current Developments in Nutrition, 2020, 4, nzz145.	0.3	29
830	Core microbiomes: Characterization and identification. , 2020, , 43-84.		0
831	Culture dependent and independent analyses suggest a low level of sharing of endospore-forming species between mothers and their children. Scientific Reports, 2020, 10, 1832.	3.3	12
832	Disturbance in human gut microbiota networks by parasites and its implications in the incidence of depression. Scientific Reports, 2020, 10, 3680.	3.3	22
833	Exploration of the Relationship Between Gut Microbiota and Polycystic Ovary Syndrome (PCOS): a Review. Geburtshilfe Und Frauenheilkunde, 2020, 80, 161-171.	1.8	61
834	Age-Related Differences in the Gut Microbiome of Rhesus Macaques. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1293-1298.	3.6	31
835	Advances in knowledge of inhibitor formation in severe haemophilia A. British Journal of Haematology, 2020, 189, 39-53.	2.5	25
836	Healthy Human Gastrointestinal Microbiome: Composition and Function After a Decade of Exploration. Digestive Diseases and Sciences, 2020, 65, 695-705.	2.3	104
837	Genetic and Biochemical Analysis of Anaerobic Respiration in Bacteroides fragilis and Its Importance In Vivo. MBio, 2020, 11, .	4.1	30
838	Xenosiderophore Utilization Promotes Bacteroides thetaiotaomicron Resilience during Colitis. Cell Host and Microbe, 2020, 27, 376-388.e8.	11.0	61
839	Fecal IgA Levels Are Determined by Strain-Level Differences in Bacteroides ovatus and Are Modifiable by Gut Microbiota Manipulation. Cell Host and Microbe, 2020, 27, 467-475.e6.	11.0	124
840	Late weaning is associated with increased microbial diversity and Faecalibacterium prausnitzii abundance in the fecal microbiota of piglets. Animal Microbiome, 2020, 2, 2.	3.8	31

#	Article	IF	Citations
841	The Gut Microbiota and Its Implication in the Development of Atherosclerosis and Related Cardiovascular Diseases. Nutrients, 2020, 12, 605.	4.1	109
842	Gut microbiota in ulcerative colitis: insights on pathogenesis and treatment. Journal of Digestive Diseases, 2020, 21, 147-159.	1.5	129
843	High-throughput sequencing analysis of intestinal flora changes in ESRD and CKD patients. BMC Nephrology, 2020, 21, 12.	1.8	32
844	Probiotics for people with cystic fibrosis. The Cochrane Library, 2020, 1, CD012949.	2.8	21
845	Comparative Analysis of Gut Microbiota Following Changes in Training Volume Among Swimmers. International Journal of Sports Medicine, 2020, 41, 292-299.	1.7	23
846	Maillard Reaction Products of Stir Fried Hordei Fructus Germinatus Are Important for Its Efficacy in Treating Functional Dyspepsia. Journal of Medicinal Food, 2020, 23, 420-431.	1.5	5
847	Tools for Analysis of the Microbiome. Digestive Diseases and Sciences, 2020, 65, 674-685.	2.3	70
848	NG-Tax 2.0: A Semantic Framework for High-Throughput Amplicon Analysis. Frontiers in Genetics, 2019, 10, 1366.	2.3	95
849	Comparison of the characteristics of intestinal microbiota response in Bufo gargarizans tadpoles: Exposure to the different environmental chemicals (Cu, Cr, Cd and NO3â€“N). Chemosphere, 2020, 247, 125925.	8.2	21
850	Rethinking mucosal antibody responses: IgM, IgG and IgD join IgA. Nature Reviews Immunology, 2020, 20, 427-441.	22.7	165
851	Fine Resolution Analysis of Microbial Communities Provides Insights Into the Variability of Cocoa Bean Fermentation. Frontiers in Microbiology, 2020, 11, 650.	3.5	24
852	An Integrative Approach to Assessing Dietâ€“Cancer Relationships. Metabolites, 2020, 10, 123.	2.9	17
853	Macroecological dynamics of gut microbiota. Nature Microbiology, 2020, 5, 768-775.	13.3	62
854	Sources of epigenetic variation and their applications in natural populations. Evolutionary Applications, 2020, 13, 1262-1278.	3.1	40
855	Gastrointestinal host-pathogen interaction in the age of microbiome research. Current Opinion in Microbiology, 2020, 53, 78-89.	5.1	27
856	Decoding diversity in a coral reef fish species complex with restricted range using metagenomic sequencing of gut contents. Ecology and Evolution, 2020, 10, 3413-3423.	1.9	2
857	Are Probiotics the New Calcium and Vitamin D for Bone Health?. Current Osteoporosis Reports, 2020, 18, 273-284.	3.6	50
858	Intestinal microbial profiling of grass carp (Ctenopharyngodon idellus) challenged with Aeromonas hydrophila. Aquaculture, 2020, 524, 735292.	3.5	22

#	Article	IF	Citations
859	The role of host molecules in communication with the resident and pathogenic microbiota: A review. Medicine in Microecology, 2020, 4, 100005.	1.6	16
860	Microbiome in Intestinal Lavage Fluid May Be A Better Indicator in Evaluating The Risk of Developing Colorectal Cancer Compared with Fecal Samples. Translational Oncology, 2020, 13, 100772.	3.7	14
861	The Microbiome as a Circadian Coordinator of Metabolism. Endocrinology, 2020, 161, .	2.8	24
862	Isolation of Anti-Inflammatory and Epithelium Reinforcing Bacteroides and Parabacteroides Spp. from A Healthy Fecal Donor. Nutrients, 2020, 12, 935.	4.1	97
863	Explaining the behaviour of random ecological networks: the stability of the microbiome as a case of integrative pluralism. SynthÃˆse, 2021, 198, 2003-2025.	1.1	11
864	Interaction between IgA and gut microbiota and its role in controlling metabolic syndrome. Obesity Reviews, 2021, 22, e13155.	6.5	12
865	Molecular mechanisms of neurodegeneration in neurotraumatic diseases. , 2021, , 81-116.		0
866	A new Illumina MiSeq highâ€throughput sequencingâ€based method for evaluating the composition of the Bacteroides community in the intestine using the rpsD gene sequence. Microbial Biotechnology, 2021, 14, 577-586.	4.2	9
867	Gut microbiome stability and resilience: elucidating the response to perturbations in order to modulate gut health. Gut, 2021, 70, 595-605.	12.1	265
868	An integrated metagenomics and metabolomics approach implicates the microbiota-gut-brain axis in the pathogenesis of Huntington's disease. Neurobiology of Disease, 2021, 148, 105199.	4.4	52
869	Role of Gut Microbiota in the Skeletal Response to PTH. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 636-645.	3.6	20
870	Seasonal changes and the unexpected impact of environmental disturbance on skin bacteria of individual amphibians in a natural habitat. FEMS Microbiology Ecology, 2021, 97, .	2.7	10
871	Structure of a laminarin-type Î²-(1â†’3)-glucan from brown algae Sargassum henslowianum and its potential on regulating gut microbiota. Carbohydrate Polymers, 2021, 255, 117389.	10.2	34
872	Scutellaria baicalensis Georgi polysaccharide ameliorates DSS-induced ulcerative colitis by improving intestinal barrier function and modulating gut microbiota. International Journal of Biological Macromolecules, 2021, 166, 1035-1045.	7.5	211
873	The impact of the Fungus-Host-Microbiota interplay uponCandida albicansinfections: current knowledge and new perspectives. FEMS Microbiology Reviews, 2021, 45, .	8.6	139
874	Inflammatory Bowel Diseases (IBD) and the Microbiomeâ€"Searching the Crime Scene for Clues. Gastroenterology, 2021, 160, 524-537.	1.3	276
875	MAUIâ€seq: Metabarcoding using amplicons with unique molecular identifiers to improve error correction. Molecular Ecology Resources, 2021, 21, 703-720.	4.8	11
876	Microbiability of meat quality and carcass composition traits in swine. Journal of Animal Breeding and Genetics, 2021, 138, 223-236.	2.0	24

#	Article	IF	Citations
877	Gut Colonization Mechanisms of Lactobacillus and Bifidobacterium: An Argument for Personalized Designs. Annual Review of Food Science and Technology, 2021, 12, 213-233.	9.9	44
878	Salmonella versus the Microbiome. Microbiology and Molecular Biology Reviews, 2021, 85, .	6.6	88
879	The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures caseâ€study approach. Translational Sports Medicine, 2021, 4, 174-192.	1.1	14
880	Is oral microbiome of children able to maintain resistance and functional stability in response to short-term interference of ingesta?. Protein and Cell, 2021, 12, 502-510.	11.0	6
881	Human Microbiome and Disease. , 2021, , .		0
882	Effect of different types of diet patterns on the gut microbiota composition. , 2021, , 29-50.		1
884	Molecular trafficking between bacteria determines the shape of gut microbial community. Gut Microbes, 2021, 13, 1959841.	9.8	20
885	Importance of fiber in human diet: Contribution of microbiota in human health. , 2021, , 51-67.		1
886	Transmission of Hologenomes Between Generations: Mothers Matter Most. The Microbiomes of Humans, Animals, Plants, and the Environment, 2021, , 161-194.	0.6	1
888	Bioactive small molecules produced by the human gut microbiome modulate Vibrio cholerae sessile and planktonic lifestyles. Gut Microbes, 2021, 13, 1-19.	9.8	4
889	Composition of Microbiomes. The Microbiomes of Humans, Animals, Plants, and the Environment, 2021, , 15-55.	0.6	0
890	The Role of Omic Technologies in the Study of the Human Gut Microbiome. , 2021, , 469-481.		0
891	Microbial Species that Initially Colonize the Human Gut at Birth or in Early Childhood Can Stay in Human Body for Lifetime. Microbial Ecology, 2021, 82, 1074-1079.	2.8	6
893	From taxonomy to metabolic output: what factors define gut microbiome health?. Gut Microbes, 2021, 13, 1-20.	9.8	19
894	Long-term diet quality is associated with gut microbiome diversity and composition among urban Chinese adults. American Journal of Clinical Nutrition, 2021, 113, 684-694.	4.7	42
895	Contribution of microbiota in the pathogenesis of ischemic stroke. , 2021, , 221-233.		0
896	Microbiomes: Some Philosophical and Sociological Implications. The Microbiomes of Humans, Animals, Plants, and the Environment, 2021, , 413-431.	0.6	0
897	Gut Microbiota Composition Changes in Constipated Women of Reproductive Age. Frontiers in Cellular and Infection Microbiology, 2020, 10, 557515.	3.9	24

#	Article	IF	Citations
898	Comparison of gut microbiota structure and Actinobacteria abundances in healthy young adults and elderly subjects: a pilot study. BMC Microbiology, 2021, 21, 13.	3.3	19
899	Gut Microbiota and Human Body Interactions; Its Impact on Health: A Review. Current Pharmaceutical Biotechnology, 2022, 23, 4-14.	1.6	16
900	The gut microbiota is a transmissible determinant of skeletal maturation. ELife, 2021, 10, .	6.0	25
901	Chronic stress and corticosterone exacerbate alcohol-induced tissue injury in the gut-liver-brain axis. Scientific Reports, 2021, 11, 826.	3.3	37
902	Role of IgA in the early-life establishment of the gut microbiota and immunity: Implications for constructing a healthy start. Gut Microbes, 2021, 13, 1-21.	9.8	17
903	The Human Gut Microbiota in all its States: From Disturbance to Resilience. , 2022, , 161-178.		4
904	Gut Microbial Profile Is Associated With Residential Settings and Not Nutritional Status in Adults in Karnataka, India. Frontiers in Nutrition, 2021, 8, 595756.	3.7	1
906	Understanding connections and roles of gut microbiome in cardiovascular diseases. Canadian Journal of Microbiology, 2021, 67, 101-111.	1.7	14
907	The Gut Microbial Composition Is Species-Specific and Individual-Specific in Two Species of Estrildid Finches, the Bengalese Finch and the Zebra Finch. Frontiers in Microbiology, 2021, 12, 619141.	3.5	13
908	New Insights Into the Cancerâ€“Microbiomeâ€“Immune Axis: Decrypting a Decade of Discoveries. Frontiers in Immunology, 2021, 12, 622064.	4.8	91
909	Decadeâ€scale stability and change in a marine bivalve microbiome. Molecular Ecology, 2021, 30, 1237-1250.	3.9	15
910	Acquisition of oral microbiota is driven by environment, not host genetics. Microbiome, 2021, 9, 54.	11.1	34
911	Antimicrobial Prophylaxis and Modifications of the Gut Microbiota in Children with Cancer. Antibiotics, 2021, 10, 152.	3.7	4
913	Maintenance of gut barrier integrity after injury: Trust your gut microRNAs. Journal of Leukocyte Biology, 2021, 110, 979-986.	3.3	6
914	Effects of oxygen exposure on relative nucleic acid content and membrane integrity in the human gut microbiota. PeerJ, 2021, 9, e10602.	2.0	3
915	The Role of Enterobacteriaceae in Gut Microbiota Dysbiosis in Inflammatory Bowel Diseases. Microorganisms, 2021, 9, 697.	3.6	116
916	Host/microbiota interactions in health and diseasesâ€”Time for mucosal microbiology!. Mucosal Immunology, 2021, 14, 1006-1016.	6.0	51
918	Gut microbiome composition predicts summer core range size in two divergent ungulates. FEMS Microbiology Ecology, 2021, 97, .	2.7	7

#	Article	IF	Citations
919	The Microbiome Meets Nanotechnology: Opportunities and Challenges in Developing New Diagnostic Devices. Advanced Materials, 2021, 33, e2006104.	21.0	24
920	Age-Based Variations in the Gut Microbiome of the Shennongjia (Hubei) Golden Snub-Nosed Monkey (Rhinopithecus roxellana hubeiensis). BioMed Research International, 2021, 2021, 1-17.	1.9	10
921	Gut microbiome, body weight, and mammographic breast density in healthy postmenopausal women. Cancer Causes and Control, 2021, 32, 681-692.	1.8	8
923	Influence of Short-Term Consumption of Hericium erinaceus on Serum Biochemical Markers and the Changes of the Gut Microbiota: A Pilot Study. Nutrients, 2021, 13, 1008.	4.1	22
924	Impact of Early Life Nutrition on Childrenâ€™s Immune System and Noncommunicable Diseases Through Its Effects on the Bacterial Microbiome, Virome and Mycobiome. Frontiers in Immunology, 2021, 12, 644269.	4.8	18
925	Dietary factors, gut microbiota, and serum trimethylamine-N-oxide associated with cardiovascular disease in the Hispanic Community Health Study/Study of Latinos. American Journal of Clinical Nutrition, 2021, 113, 1503-1514.	4.7	32
926	The Impact of a Dried Fruit and Vegetable Supplement and Fiber Rich Shake on Gut and Health Parameters in Female Healthcare Workers: A Placebo-Controlled, Double-Blind, Randomized Clinical Trial. Microorganisms, 2021, 9, 843.	3.6	6
927	Gut dysbiosis during early life: causes, health outcomes, and amelioration via dietary intervention. Critical Reviews in Food Science and Nutrition, 2022, 62, 7199-7221.	10.3	8
928	The long-term genetic stability and individual specificity of the human gut microbiome. Cell, 2021, 184, 2302-2315.e12.	28.9	166
929	Best Practices for Microbiome Study Design in Companion Animal Research. Frontiers in Veterinary Science, 2021, 8, 644836.	2.2	19
930	In vitro Fermentation Reveals Changes in Butyrate Production Dependent on Resistant Starch Source and Microbiome Composition. Frontiers in Microbiology, 2021, 12, 640253.	3.5	27
931	Elevated rates of horizontal gene transfer in the industrialized human microbiome. Cell, 2021, 184, 2053-2067.e18.	28.9	167
932	Colonization of Supplemented Bifidobacterium breve M-16V in Low Birth Weight Infants and Its Effects on Their Gut Microbiota Weeks Post-administration. Frontiers in Microbiology, 2021, 12, 610080.	3.5	15
933	An Introduction to Next Generation Sequencing Bioinformatic Analysis in Gut Microbiome Studies. Biomolecules, 2021, 11, 530.	4.0	62
934	Gut bacterial profile in Indian children of varying nutritional status: a comparative pilot study. European Journal of Nutrition, 2021, 60, 3971-3985.	3.9	6
935	How biological sex of the host shapes its gut microbiota. Frontiers in Neuroendocrinology, 2021, 61, 100912.	5.2	98
936	Microbiota profiles and dynamics in fermented plantâ€based products and preliminary assessment of their in vitro gut microbiota modulation. Food Frontiers, 2021, 2, 268-281.	7.4	14
937	Gut microbiota of endangered crested ibis: Establishment, diversity, and association with reproductive output. PLoS ONE, 2021, 16, e0250075.	2.5	9

#	Article	IF	Citations
938	Long-term dietary patterns are associated with pro-inflammatory and anti-inflammatory features of the gut microbiome. Gut, 2021, 70, 1287-1298.	12.1	246
939	Influence of Dietary Components and Traditional Chinese Medicine on Hypertension: A Potential Role for Gut Microbiota. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-10.	1.2	5
940	Overview of the Microbiome Among Nurses study (Micro-N) as an example of prospective characterization of the microbiome within cohort studies. Nature Protocols, 2021, 16, 2724-2731.	12.0	7
943	A Review of Inflammatory Bowel Disease: A Model of Microbial, Immune and Neuropsychological Integration. Public Health Reviews, 2021, 42, 1603990.	3.2	43
944	Recovering dynamic networks in big static datasets. Physics Reports, 2021, 912, 1-57.	25.6	29
945	Do Antibiotics Cause Obesity Through Long-term Alterations in the Gut Microbiome? A Review of Current Evidence. Current Obesity Reports, 2021, 10, 244-262.	8.4	47
946	Quantitative Detection of Bifidobacterium longum Strains in Feces Using Strain-Specific Primers. Microorganisms, 2021, 9, 1159.	3.6	9
947	The Impact of Alcohol in Inflammatory Bowel Diseases. Inflammatory Bowel Diseases, 2021, , .	1.9	15
948	Supplementation of Lactobacillus early in life alters attention bias to threat in piglets. Scientific Reports, 2021, 11, 10130.	3.3	10
949	Megasphaera in the Stool Microbiota Is Negatively Associated With Diarrheal Cryptosporidiosis. Clinical Infectious Diseases, 2021, 73, e1242-e1251.	5.8	33
950	The Immunomodulatory Effect of the Gut Microbiota in Kidney Disease. Journal of Immunology Research, 2021, 2021, 1-16.	2.2	48
951	The effects of combined environmental factors on the intestinal flora of mice based on ground simulation experiments. Scientific Reports, 2021, 11, 11373.	3.3	1
952	Comparative Population Genetics in the Human Gut Microbiome. Genome Biology and Evolution, 2022, 14, .	2.5	15
953	Comment: Association Between the Prothrombin Time-International Normalized Ratio and Concomitant Use of Antibiotics in Warfarin Users: Focus on Type of Antibiotic and Susceptibility of Bacteroides fragilis to Antibiotics. Annals of Pharmacotherapy, 2022, 56, 106002802110188.	1.9	0
954	Food intake and its effect on the species and abundance of intestinal flora in colorectal cancer and healthy individuals. Korean Journal of Internal Medicine, 2021, 36, 568-583.	1.7	13
955	Differences in Gut Microbiome Composition and Antibiotic Resistance Gene Distribution between Chinese and Pakistani University Students from a Common Peer Group. Microorganisms, 2021, 9, 1152.	3.6	8
956	Factors Affecting Gut Microbiome in Daily Diet. Frontiers in Nutrition, 2021, 8, 644138.	3.7	18
957	Gut Microbiota Perturbation in IgA Deficiency Is Influenced by IgA-Autoantibody Status. Gastroenterology, 2021, 160, 2423-2434.e5.	1.3	34

#	Article	IF	Citations
958	Legume Consumption and Gut Microbiome in Elderly Chinese Men and Women. Journal of Nutrition, 2021, 151, 2399-2408.	2.9	7
959	Different Reactions in Each Enterotype Depending on the Intake of Probiotic Yogurt Powder. Microorganisms, 2021, 9, 1277.	3.6	4
961	Analysis of the relationship between caecal flora difference and production performance of two rabbit species by high-throughput sequencing. Czech Journal of Animal Science, 2021, 66, 271-280.	1.3	4
962	Intestinal Dysbiosis and Non-Alcoholic Fatty Liver Disease. Biochemistry, 0, , .	1.2	4
963	Yearly changes in the composition of gut microbiota in the elderly, and the effect of lactobacilli intake on these changes. Scientific Reports, 2021, 11, 12765.	3.3	12
965	Effect of High-Fat Diet â€‰on â€‰the Intestinal Flora in Letrozole-Induced Polycystic Ovary Syndrome Rats. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	1.2	6
966	Monitoring the Reaction of the Body State to Antibiotic Treatment against Helicobacter pylori via Infrared Spectroscopy: A Case Study. Molecules, 2021, 26, 3474.	3.8	9
967	Characterizing the Effects of Calcium and Prebiotic Fiber on Human Gut Microbiota Composition and Function Using a Randomized Crossover Designâ€”A Feasibility Study. Nutrients, 2021, 13, 1937.	4.1	10
968	Analysis of gut microbiota alteration and application as an auxiliary prognostic marker for sepsis in children: a pilot study. Translational Pediatrics, 2021, 10, 1647-1657.	1.2	15
969	Host and gut microbial tryptophan metabolism and type 2 diabetes: an integrative analysis of host genetics, diet, gut microbiome and circulating metabolites in cohort studies. Gut, 2022, 71, 1095-1105.	12.1	98
970	Dietary anthocyanin-rich extract of aÃ§ai protects from diet-induced obesity, liver steatosis, and insulin resistance with modulation of gut microbiota in mice. Nutrition, 2021, 86, 111176.	2.4	37
971	Consistency of Bacterial Communities in a Parasitic Worm: Variation Throughout the Life Cycle and Across Geographic Space. Microbial Ecology, 2022, 83, 724-738.	2.8	8
972	Handling of spurious sequences affects the outcome of high-throughput 16S rRNA gene amplicon profiling. ISME Communications, 2021, 1, .	4.2	60
973	Food colorants metabolized by commensal bacteria promote colitis in mice with dysregulated expression of interleukin-23. Cell Metabolism, 2021, 33, 1358-1371.e5.	16.2	49
975	Supplementation with Bifidobacterium breve BR03 and B632 strains improved insulin sensitivity in children and adolescents with obesity in a cross-over, randomized double-blind placebo-controlled trial. Clinical Nutrition, 2021, 40, 4585-4594.	5.0	43
976	The comings and goings of the healthy human gut microbiota. Cell Host and Microbe, 2021, 29, 1163-1164.	11.0	4
977	Dispersal strategies shape persistence and evolution of human gut bacteria. Cell Host and Microbe, 2021, 29, 1167-1176.e9.	11.0	66
978	Longitudinal linked-read sequencing reveals ecological and evolutionary responses of a human gut microbiome during antibiotic treatment. Genome Research, 2021, 31, 1433-1446.	5.5	55

#	Article	IF	Citations
979	Hypoxia: The â€œInvisible Pusherâ€•of Gut Microbiota. Frontiers in Microbiology, 2021, 12, 690600.	3.5	28
980	Disentangling the Complexity of the Rumen Microbial Diversity Through Fractionation Using a Sucrose Density Gradient. Frontiers in Microbiology, 2021, 12, 664754.	3.5	2
981	Association between metabolic status and gut microbiome in obese populations. Microbial Genomics, 2021, 7, .	2.0	8
983	A Common Pathway for Activation of Host-Targeting and Bacteria-Targeting Toxins in Human Intestinal Bacteria. MBio, 2021, 12, e0065621.	4.1	5
984	Microbial composition differs between production systems and is associated with growth performance and carcass quality in pigs. Animal Microbiome, 2021, 3, 57.	3.8	7
985	Causative Microbes in Host-Microbiome Interactions. Annual Review of Microbiology, 2021, 75, 223-242.	7.3	9
986	Specific Bacterial Cell Wall Components Influence the Stability of Coxsackievirus B3. Journal of Virology, 2021, 95, e0142421.	3.4	9
987	Characteristics of gut microbiota in people with obesity. PLoS ONE, 2021, 16, e0255446.	2.5	95
988	Post-weaning shifts in microbiome composition and metabolism revealed by over 25â€Š000 pig gut metagenome-assembled genomes. Microbial Genomics, 2021, 7, .	2.0	9
989	The antiâ€obesity and gut microbiota modulating effects of taxifolin in <scp>C57BL</scp>/<scp>6J</scp> mice fed with a highâ€fat diet. Journal of the Science of Food and Agriculture, 2022, 102, 1598-1608.	3.5	24
990	Hierarchical modelling of immunoglobulin coated bacteria in dogs with chronic enteropathy shows reduction in coating with disease remission but marked inter-individual and treatment-response variability. PLoS ONE, 2021, 16, e0255012.	2.5	0
991	Genetic and environmental factors in Alzheimerâ€™s and Parkinsonâ€™s diseases and promising therapeutic intervention via fecal microbiota transplantation. Npj Parkinson's Disease, 2021, 7, 70.	5.3	44
992	Host-emitted amino acid cues regulate bacterial chemokinesis to enhance colonization. Cell Host and Microbe, 2021, 29, 1221-1234.e8.	11.0	21
993	The protective immunity induced by SARS-CoV-2 infection and vaccination: a critical appraisal. Exploration of Immunology, 2021, , 199-225.	0.3	5
994	Circulating Microbial Signatures and Cardiovascular Death in Patients WithÂESRD. Kidney International Reports, 2021, 6, 2617-2628.	0.8	7
995	Chinese gut microbiota and its associations with staple food type, ethnicity, and urbanization. Npj Biofilms and Microbiomes, 2021, 7, 71.	6.4	37
996	Seasonal Changes in the Distinct Taxonomy and Function of the Gut Microbiota in the Wild Ground Squirrel (Spermophilus dauricus). Animals, 2021, 11, 2685.	2.3	8
998	Precise quantification of bacterial strains after fecal microbiota transplantation delineates long-term engraftment and explains outcomes. Nature Microbiology, 2021, 6, 1309-1318.	13.3	60

#	Article	IF	Citations
999	RiboRid: A low cost, advanced, and ultra-efficient method to remove ribosomal RNA for bacterial transcriptomics. PLoS Genetics, 2021, 17, e1009821.	3.5	16
1000	Monocarboxylate Transporter-2 Expression Restricts Tumor Growth in a Murine Model of Lung Cancer: A Multi-Omic Analysis. International Journal of Molecular Sciences, 2021, 22, 10616.	4.1	4
1001	Interactions between dietary fibre and the gut microbiota. Proceedings of the Nutrition Society, 2021, 80, 398-408.	1.0	18
1002	Infant gut strain persistence is associated with maternal origin, phylogeny, and traits including surface adhesion and iron acquisition. Cell Reports Medicine, 2021, 2, 100393.	6.5	39
1003	Landscapes and bacterial signatures of mucosa-associated intestinal microbiota in Chilean and Spanish patients with inflammatory bowel disease. Microbial Cell, 2021, 8, 223-238.	3.2	11
1004	Building robust assemblages of bacteria in the human gut in early life.. Applied and Environmental Microbiology, 2021, 87, e0144921.	3.1	10
1005	Advancement of Traditional Chinese Medicine in Regulation of Intestinal Flora: Mechanism-based Role in Disease Management. Recent Patents on Anti-Cancer Drug Discovery, 2022, 17, 136-144.	1.6	7
1006	Regional specialization of macrophages along the gastrointestinal tract. Trends in Immunology, 2021, 42, 795-806.	6.8	11
1007	Human gut-derived B. longum subsp. longum strains protect against aging in a d-galactose-induced aging mouse model. Microbiome, 2021, 9, 180.	11.1	22
1008	The Clinical Relevance of the Microbiome in Hidradenitis Suppurativa: A Systematic Review. Vaccines, 2021, 9, 1076.	4.4	8
1009	Changes of the Microbiota Composition on the Surface of Pig Carcasses during Chilling and Its Associations with Alterations in Chillerâ€™s Temperature and Air Humidity. Foods, 2021, 10, 2195.	4.3	3
1010	Fecal Bile Acids Profile of Crewmembers Consuming the Same Space Food in a Spacecraft Simulator. Frontiers in Physiology, 2021, 12, 593226.	2.8	0
1011	Discrete genetic loci in human gut Bacteroides thetaiotaomicron confer pectin metabolism. Carbohydrate Polymers, 2021, 272, 118534.	10.2	10
1012	Perturbations associated with hungry gut microbiome and postbiotic perspectives to strengthen the microbiome health. Future Foods, 2021, 4, 100043.	5.4	12
1013	Microbial Networking to Divulge Targets for Microbiome Therapeutics. , 2022, , .		0
1014	Regulation of neuroinflammation, resolution, and neuroprotection by diet and gut microbiota. , 2022, , 187-219.		0
1015	Ecological and molecular perspectives on responders and non-responders to probiotics and prebiotics. Current Opinion in Biotechnology, 2022, 73, 108-120.	6.6	15
1016	Dietary habits and the gut microbiota in military Veterans: results from the United States-Veteran Microbiome Project (US-VMP). Gut Microbiome, 2021, 2, .	3.2	6

#	Article	IF	Citations
1017	The role of the human gut microbiota in colonization and infection with multidrug-resistant bacteria. Gut Microbes, 2021, 13, 1-13.	9.8	16
1018	The Impact of Gut Microbiota on the Immune Response to Vaccination. , 2022, , 145-160.		0
1019	Candida albicansâ€"The Virulence Factors and Clinical Manifestations of Infection. Journal of Fungi (Basel, Switzerland), 2021, 7, 79.	3.5	181
1020	Emergence of the Human Gut Microbiota as an Influencer in Health and Disease. , 2021, , 43-51.		0
1021	Microbiota Changes Throughout Life - An Overview. , 2022, , 1-12.		1
1022	inStrain profiles population microdiversity from metagenomic data and sensitively detects shared microbial strains. Nature Biotechnology, 2021, 39, 727-736.	17.5	238
1023	Metabolic cooperation and spatiotemporal niche partitioning in a kefir microbial community. Nature Microbiology, 2021, 6, 196-208.	13.3	138
1024	The Immunopathogenesis of Alzheimerâ€™s Disease Is Related to the Composition of Gut Microbiota. Nutrients, 2021, 13, 361.	4.1	73
1025	Evolution of Holobionts: The Hologenome Concept. The Microbiomes of Humans, Animals, Plants, and the Environment, 2021, , 317-352.	0.6	1
1026	Optimization of probiotic therapeutics using machine learning in an artificial human gastrointestinal tract. Scientific Reports, 2021, 11, 1067.	3.3	17
1027	Maternal exposures and the infant gut microbiome: a systematic review with meta-analysis. Gut Microbes, 2021, 13, 1-30.	9.8	75
1028	Long-term dietary intake from infancy to late adolescence is associated with gut microbiota composition in young adulthood. American Journal of Clinical Nutrition, 2021, 113, 647-656.	4.7	12
1029	Microbiome as an Immunological Modifier. Methods in Molecular Biology, 2020, 2055, 595-638.	0.9	23
1030	Microbiotas are Transmitted Between Holobiont Generations. , 2013, , 41-54.		1
1031	The Evolution of Holobionts. , 2013, , 109-128.		2
1032	Role of Gut Microbiota in Combating Oxidative Stress. , 2019, , 43-82.		19
1033	Gut Microbiota and Liver Injury (II): Chronic Liver Injury. Advances in Experimental Medicine and Biology, 2020, 1238, 39-54.	1.6	10
1034	â€œPlanetary Healthâ€•Perspectives and Alternative Approaches to Tackle the AMR Challenge. , 2020, , 165-188.		1

#	Article	IF	Citations
1035	Invasions of Host-Associated Microbiome Networks. Advances in Ecological Research, 2017, , 201-281.	2.7	19
1036	Factors influencing bacterial microbiome composition in a wild non-human primate community in TaÃ¯ National Park, CÃ´te dâ€™Ivoire. ISME Journal, 2018, 12, 2559-2574.	9.8	31
1037	Blood pressure management in an ecosystem context. Hypertension Research, 2020, 43, 989-994.	2.7	12
1038	A quantitative sequencing framework for absolute abundance measurements of mucosal and lumenal microbial communities. Nature Communications, 2020, 11, 2590.	12.8	74
1039	The crosstalk between the gut microbiota and lipids. OCL - Oilseeds and Fats, Crops and Lipids, 2020, 27, 70.	1.4	10
1040	Gut microbiome stability and dynamics in healthy donors and patients with non-gastrointestinal cancers. Journal of Experimental Medicine, 2021, 218, .	8.5	37
1041	The importance of the microbiome in pediatrics and pediatric infectious diseases. Current Opinion in Pediatrics, 2018, 30, 117-124.	2.0	45
1042	Lentimicrobium saccharophilum gen. nov., sp. nov., a strictly anaerobic bacterium representing a new family in the phylum Bacteroidetes, and proposal of Lentimicrobiaceae fam. nov.. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2635-2642.	1.7	177
1073	Subpopulations and stability in microbial communities. Physical Review Research, 2020, 2, .	3.6	10
1074	Dispersal and the Microbiome. Microbe Magazine, 2015, 10, 191-196.	0.4	13
1075	Influences on allergic mechanisms through gut, lung, and skin microbiome exposures. Journal of Clinical Investigation, 2019, 129, 1483-1492.	8.2	50
1076	NG-Tax, a highly accurate and validated pipeline for analysis of 16S rRNA amplicons from complex biomes. F1000Research, 2016, 5, 1791.	1.6	140
1077	Stochastic assembly produces heterogeneous communities in the Caenorhabditis elegans intestine. PLoS Biology, 2017, 15, e2000633.	5.6	104
1078	Inference of Network Dynamics and Metabolic Interactions in the Gut Microbiome. PLoS Computational Biology, 2015, 11, e1004338.	3.2	106
1079	MAGERI: Computational pipeline for molecular-barcoded targeted resequencing. PLoS Computational Biology, 2017, 13, e1005480.	3.2	37
1080	SteadyCom: Predicting microbial abundances while ensuring community stability. PLoS Computational Biology, 2017, 13, e1005539.	3.2	154
1081	Colonization of C57BL/6 Mice by a Potential Probiotic Bifidobacterium bifidum Strain under Germ-Free and Specific Pathogen-Free Conditions and during Experimental Colitis. PLoS ONE, 2015, 10, e0139935.	2.5	41
1082	Intestinal Microbiota Is Influenced by Gender and Body Mass Index. PLoS ONE, 2016, 11, e0154090.	2.5	511

#	Article	IF	Citations
1083	Diversity of Gut Microbiota Metabolic Pathways in 10 Pairs of Chinese Infant Twins. PLoS ONE, 2016, 11, e0161627.	2.5	27
1084	Characterization of the fecal microbiome during neonatal and early pediatric development in puppies. PLoS ONE, 2017, 12, e0175718.	2.5	52
1085	Abundance profiling of specific gene groups using precomputed gut metagenomes yields novel biological hypotheses. PLoS ONE, 2017, 12, e0176154.	2.5	25
1086	High-dimensional linear state space models for dynamic microbial interaction networks. PLoS ONE, 2017, 12, e0187822.	2.5	9
1087	Microbiome-mediated neutrophil recruitment via CXCR2 and protection from amebic colitis. PLoS Pathogens, 2017, 13, e1006513.	4.7	63
1088	Gut microbiota and obesity: implications for fecal microbiota transplantation therapy. Hormones, 2017, 13, 223-234.	1.9	27
1089	Current and Evolving Concepts on the Pathogenesis of Diverticular Disease. Journal of Gastrointestinal and Liver Diseases, 2019, 28, 225-235.	0.9	22
1090	Microbial Forensics: Human Identification. Biomedical Science Letters, 2018, 24, 292-304.	0.3	3
1091	Artificial sweeteners are related to non-alcoholic fatty liver disease: Microbiota dysbiosis as a novel potential mechanism. EXCLI Journal, 2020, 19, 620-626.	0.7	11
1092	The Nested Study on the Intestinal Microbiota in GENKI Study with Special Reference to the Effect of Brown Rice Eating. Journal of Obesity and Chronic Diseases, 2019, 03, .	0.4	8
1093	Consuming cholera toxin counteracts age-associated obesity. Oncotarget, 2019, 10, 5497-5509.	1.8	3
1094	Emodin via colonic irrigation modulates gut microbiota and reduces uremic toxins in rats with chronic kidney disease. Oncotarget, 2016, 7, 17468-17478.	1.8	59
1095	Understanding the microbiome: a primer on the role of the microbiome in colorectal neoplasia. Annals of Gastroenterology, 2020, 33, 223-236.	0.6	6
1096	Time-restricted feeding during childhood has persistent effects on mice commensal microbiota. Annals of Translational Medicine, 2019, 7, 556-556.	1.7	10
1097	Relationship between Breastfeeding, Birth History, and Acute Pyelonephritis in Infants. Journal of Korean Medical Science, 2020, 35, e32.	2.5	2
1098	Dietary Patterns Impact Temporal Dynamics of Fecal Microbiota Composition in Children With Autism Spectrum Disorder. Frontiers in Nutrition, 2019, 6, 193.	3.7	21
1099	Gallstone Disease, Obesity and the Firmicutes/Bacteroidetes Ratio as a Possible Biomarker of Gut Dysbiosis. Journal of Personalized Medicine, 2021, 11, 13.	2.5	121
1100	The potential role of phenolic compounds on modulating gut microbiota in obesity. Journal of Food and Drug Analysis, 2020, 28, 195-205.	1.9	10

#	Article	IF	Citations
1101	On the mechanism of antibiotic resistance and fecal microbiota transplantation. Mathematical Biosciences and Engineering, 2019, 16, 7057-7084.	1.9	2
1102	A method for high precision sequencing of near full-length 16S rRNA genes on an Illumina MiSeq. PeerJ, 2016, 4, e2492.	2.0	59
1103	A Profile Hidden Markov Model to investigate the distribution and frequency of LanB-encoding lantibiotic modification genes in the human oral and gut microbiome. PeerJ, 2017, 5, e3254.	2.0	24
1104	Minimizing confounders and increasing data quality in murine models for studies of the gut microbiome. PeerJ, 2018, 6, e5166.	2.0	48
1105	Employing toxin-antitoxin genome markers for identification of Bifidobacterium and Lactobacillus strains in human metagenomes. PeerJ, 2019, 7, e6554.	2.0	4
1106	The microbes we eat: abundance and taxonomy of microbes consumed in a dayâ€™s worth of meals for three diet types. PeerJ, 2014, 2, e659.	2.0	85
1107	Molecular diagnostics of Salmonella and Campylobacter in human/animal fecal samples remain feasible after long-term sample storage without specific requirements. AIMS Microbiology, 2021, 7, 399-414.	2.2	1
1108	Disentangling dysbiosis in chronic kidney disease. Journal of Renal Nutrition and Metabolism, 2021, 7, 26.	0.1	0
1109	Microbiome Diagnostics and Interventions in Health and Disease. , 2021, , 157-215.		1
1110	Gut Microbiome and Alzheimerâ€™s Disease. Journal of Dairy Science and Biotechnology, 2021, 39, 94-103.	0.3	0
1111	Risk Factors for Gut Dysbiosis in Early Life. Microorganisms, 2021, 9, 2066.	3.6	25
1112	The contrasting human gut microbiota in early and late life and implications for host health and disease. Nutrition and Healthy Aging, 2021, 6, 157-178.	1.1	5
1113	A macroecological description of alternative stable states reproduces intra- and inter-host variability of gut microbiome. Science Advances, 2021, 7, eabj2882.	10.3	23
1114	The importance of age in compositional and functional profiling of the human intestinal microbiome. PLoS ONE, 2021, 16, e0258505.	2.5	10
1115	The Effect of Bacterial Infections, Probiotics and Zonulin on Intestinal Barrier Integrity. International Journal of Molecular Sciences, 2021, 22, 11359.	4.1	27
1117	Bacterial metabolites and cardiovascular risk in children with chronic kidney disease. Molecular and Cellular Pediatrics, 2021, 8, 17.	1.8	3
1119	Microbial adaptive evolution. Journal of Industrial Microbiology and Biotechnology, 2022, 49, .	3.0	15
1121	Colonic Microbial Abundances Predict Adenoma Formers. Annals of Surgery, 2021, Publish Ahead of Print, .	4.2	3

#	Article	IF	Citations
1123	Hallmarks of the human intestinal microbiome on liver maturation and function. Journal of Hepatology, 2022, 76, 694-725.	3.7	12
1125	Shaping the gut microbiota by bioactive phytochemicals: An emerging approach for the prevention and treatment of human diseases. Biochimie, 2022, 193, 38-63.	2.6	18
1127	Engineering Bacteroides thetaiotaomicron to produce non-native butyrate based on a genome-scale metabolic model-guided design. Metabolic Engineering, 2021, 68, 174-186.	7.0	13
1128	Gut Microbiota: Physiology and Relationship with Inflammatory Bowel Disease. Open Journal of Endocrine and Metabolic Diseases, 2013, 03, 283-292.	0.2	0
1130	Periodontal Disease. , 2015, , 145-166.		0
1132	Intestinal microbiota mining: a Th17/Treg cell perspective. European Journal of BioMedical Research, 2015, 1, 28.	0.2	3
1133	The Human Microbiome and Clinical Immunology. , 0, , 19-25.		0
1136	The Intestinal Microbiome, the Immune System and Spondyloarthropathy. , 2017, , 145-165.		0
1143	The gut microbiota resistome provides development of drug resistance in causative agents of human infectious diseases. Nauchno-prakticheskii Zhurnal Â«PatogenezÂ», 2017, , 20-32.	0.2	2
1152	Implications of Lateral or Horizontal Gene Transfer from Bacteria to the Human Gastrointestinal System for Cancer Development and Treatment. , 2019, , 377-397.		1
1158	The effect of diet on the fluctuations of human gut microbiota. Y Hoc Thanh Pho Ho Chi Minh, 2017, 3, 22-24.	0.0	0
1163	Evaluation of Akkermansia muciniphila bacteria in obese and overweight type 2 diabetic patients treated with insulin or oral hypoglycemic agents comparing with healthy subjects. Medical Journal of Tabriz University of Medical Sciences & Health Services, 2020, 42, 303-318.	0.1	0
1166	Roles of the intestinal microbiota and microbial metabolites in acute GVHD. Experimental Hematology and Oncology, 2021, 10, 49.	5.0	28
1167	Influence of gut and intratumoral microbiota on the immune microenvironment and anti-cancer therapy. Pharmacological Research, 2021, 174, 105966.	7.1	22
1168	The Role of Gut Dysbiosis in Acute-on-Chronic Liver Failure. International Journal of Molecular Sciences, 2021, 22, 11680.	4.1	7
1170	Characterization of the gut microbiome in a porcine model of thoracic spinal cord injury. BMC Genomics, 2021, 22, 775.	2.8	12
1171	Gut microbiota modification in neonatal age group on the risk of respiratory tract infections in infancy: A systematic review and metaâ€analysis of randomized controlled trials. Journal of Evidence-Based Medicine, 2021, 14, 291-294.	1.8	0
1172	Fecal Microbiota Transplantation Commonly Failed in Children With Coâ€Morbidities. Journal of Pediatric Gastroenterology and Nutrition, 2022, 74, 227-235.	1.8	4

#	Article	IF	Citations
1173	From a parts list to assembly instructions and an operating manual: how small host models can re-write microbiome theory. Current Opinion in Microbiology, 2021, 64, 146-151.	5.1	0
1175	The role of the gastrointestinal system and gut microbiota in Parkinson's disease. , 2020, , 569-582.		1
1176	Advances in the Interaction between Intestinal Microbiota and COVID-19. Exploratory Research and Hypothesis in Medicine, 2020, 000, 1-8.	0.4	0
1177	Microbes in human oral cavity: a review. Reviews in Medical Microbiology, 2021, 32, 75-82.	0.9	5
1178	The gut microbiome and the kidney. , 2022, , 147-161.		1
1180	The Composition and Functions of Human Gut Symbiotic Microbiota. , 2020, , 5-9.		0
1181	Molecular Events Behind Adverse Effects. Advances in Experimental Medicine and Biology, 2020, 1248, 119-141.	1.6	0
1183	Pivotal Dominant Bacteria Ratio and Metabolites Related to Healthy Body Index Revealed by Intestinal Microbiome and Metabolomics. Indian Journal of Microbiology, 2022, 62, 130-141.	2.7	0
1184	Long-term dynamics of the human oral microbiome during clinical disease progression. BMC Biology, 2021, 19, 240.	3.8	10
1185	A systematic review of advances in intestinal microflora of fish. Fish Physiology and Biochemistry, 2021, 47, 2041-2053.	2.3	29
1186	Abundance and Diversity of Microbiota. , 2013, , 23-40.		1
1187	Microbiotas are Transmitted Between Holobiont Generations. , 2013, , 41-54.		1
1188	The Evolution of Holobionts. , 2013, , 109-128.		1
1193	The effect of different drinking water in culture medium on feces microbiota diversity. Journal of Water and Health, 2021, 19, 267-277.	2.6	4
1196	Current evidence on the modulatory effects of food proteins and peptides in inflammation and gut microbiota. , 2022, , 517-534.		2
1197	Classification and prediction of Mycobacterium Avium subsp. Paratuberculosis (MAP) shedding severity in cattle based on young stock heifer faecal microbiota composition using random forest algorithms. Animal Microbiome, 2021, 3, 78.	3.8	2
1198	Prenatal versus Postnatal Initial Colonization of Healthy Neonatesâ€™ Colon Ecosystem by the Enterobacterium Escherichia coli. Microbiology Spectrum, 2021, 9, e0037921.	3.0	2
1199	The Spanish gut microbiome reveals links between microorganisms and Mediterranean diet. Scientific Reports, 2021, 11, 21602.	3.3	12

#	Article	IF	Citations
1200	Fecal Microbiome Changes and Specific Anti-Bacterial Response in Patients with IBD during Anti-TNF Therapy. Cells, 2021, 10, 3188.	4.1	16
1201	A Possible Perspective about the Compositional Models, Evolution, and Clinical Meaning of Human Enterotypes. Microorganisms, 2021, 9, 2341.	3.6	12
1202	Insights into Health-Promoting Effects of Plant MicroRNAs: A Review. Journal of Agricultural and Food Chemistry, 2021, 69, 14372-14386.	5.2	17
1203	Haematopoietic cell transplantation outcomes are linked to intestinal mycobiota dynamics and an expansion of Candida parapsilosis complex species. Nature Microbiology, 2021, 6, 1505-1515.	13.3	35
1204	High-Fat, Western-Style Diet, Systemic Inflammation, and Gut Microbiota: A Narrative Review. Cells, 2021, 10, 3164.	4.1	199
1205	Host Identity and Geographic Location Significantly Affect Gastrointestinal Microbial Richness and Diversity in Western Lowland Gorillas (Gorilla gorilla gorilla) under Human Care. Animals, 2021, 11, 3399.	2.3	2
1206	The omics of our lives: practices and policies of direct-to-consumer epigenetic and microbiomic testing companies. New Genetics and Society, 2021, 40, 541-569.	1.2	7
1207	The Emerging Role of the Gut Microbiome in the Cancer Response to Immune Checkpoint Inhibitors: A Narrative Review. Journal of Immunotherapy and Precision Oncology, 2022, 5, 13-25.	1.4	3
1209	Targeting the Gut Microbiota to Relieve the Symptoms of Irritable Bowel Syndrome. Pathogens, 2021, 10, 1545.	2.8	3
1211	On the Verge of a Catastrophic Collapse? The Need for a Multi-Ecosystem Approach to Microbiome Studies. Frontiers in Microbiology, 2021, 12, 784797.	3.5	15
1212	Central role of intestinal epithelial glucocorticoid receptor in alcoholâ€•and corticosteroneâ€‐induced gut permeability and systemic response. FASEB Journal, 2022, 36, e22061.	0.5	13
1213	Bacterial Microbiota in Unfed Ticks (Dermacentor nuttalli) From Xinjiang Detected Through 16S rDNA Amplicon Sequencing and Culturomics. Zoonoses, 2021, 1, .	1.1	6
1214	In vitro interaction network of a synthetic gut bacterial community. ISME Journal, 2022, 16, 1095-1109.	9.8	66
1215	Defining and quantifying the core microbiome: Challenges and prospects. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	191
1216	Proofâ€ofâ€principle demonstration of endogenous circadian system and circadian misalignment effects on human oral microbiota. FASEB Journal, 2022, 36, e22043.	0.5	9
1217	Microbiome Changes in Humans with Parkinsonâ€™s Disease after Photobiomodulation Therapy: A Retrospective Study. Journal of Personalized Medicine, 2022, 12, 49.	2.5	14
1219	Antimicrobial Stewardship Program: Reducing Antibioticâ€™s Spectrum of Activity Is not the Solution to Limit the Emergence of Multidrug-Resistant Bacteria. Antibiotics, 2022, 11, 70.	3.7	6
1220	Trajectory of age-associated changes in small intestinal microbial community of healthy person metaorganism. Russian Journal of Infection and Immunity, 2022, 11, 1190-1199.	0.7	0

#	Article	IF	Citations
1221	Gut Dysbiosis and Clostridioides difficile Infection in Neonates and Adults. Frontiers in Microbiology, 2021, 12, 651081.	3.5	14
1223	Genetic tools for the redirection of the central carbon flow towards the production of lactate in the human gut bacterium Phocaeicola (Bacteroides) vulgatus. Applied Microbiology and Biotechnology, 2022, 106, 1211-1225.	3.6	20
1225	The Role of the Gut Microbiota in the Pathogenesis of Diabetes. International Journal of Molecular Sciences, 2022, 23, 480.	4.1	55
1227	Ontology-aware neural network: a general framework for pattern mining from microbiome data. Briefings in Bioinformatics, 2022, , .	6.5	1
1228	Beneficial microbes from human and animal intestines. , 2022, , 55-76.		0
1229	Exploring the role of gut microbiota in host feeding behavior among breeds in swine. BMC Microbiology, 2022, 22, 1.	3.3	34
1231	Gut Dysbiosis and Immune System in Atherosclerotic Cardiovascular Disease (ACVD). Microorganisms, 2022, 10, 108.	3.6	25
1233	Polysaccharides from edible brown seaweed Undaria pinnatifida are effective against high-fat diet-induced obesity in mice through the modulation of intestinal microecology. Food and Function, 2022, 13, 2581-2593.	4.6	15
1235	A mucin-responsive hybrid two-component system controls Bacteroides thetaiotaomicron colonization and gut homeostasis. Journal of Microbiology, 2022, 60, 215-223.	2.8	4
1236	Conceptual strategies for characterizing interactions in microbial communities. IScience, 2022, 25, 103775.	4.1	12
1237	Stochastic microbiome assembly depends on context. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	36
1238	Interactions between strains govern the eco-evolutionary dynamics of microbial communities. ELife, 2022, 11, .	6.0	37
1239	Circadian Pharmacological Effects of Paeoniflorin on Mice With Urticaria-like Lesions. Frontiers in Pharmacology, 2021, 12, 639580.	3.5	5
1240	Feeding Practice and Delivery Mode Are Determinants of Vitamin K in the Infant Gut: An Exploratory Analysis. Current Developments in Nutrition, 2022, 6, nzac019.	0.3	1
1241	Dietary Intake Mediates Ethnic Differences in Gut Microbial Composition. Nutrients, 2022, 14, 660.	4.1	17
1242	The links between gut microbiota and obesity and obesity related diseases. Biomedicine and Pharmacotherapy, 2022, 147, 112678.	5.6	86
1244	Modifying the Microbiome as a Potential Mechanism of Photobiomodulation: A Case Report. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 88-97.	1.4	10
1246	Intertwined Relationship of Mitochondrial Metabolism, Gut Microbiome and Exercise Potential. International Journal of Molecular Sciences, 2022, 23, 2679.	4.1	16

#	Article	IF	Citations
1247	High-throughput identification and quantification of single bacterial cells in the microbiota. Nature Communications, 2022, 13, 863.	12.8	8
1248	Microbiome Resilience and Health Implications for People in Half-Year Travel. Frontiers in Immunology, 2022, 13, 848994.	4.8	2
1249	Experimental evaluation of ecological principles to understand and modulate the outcome of bacterial strain competition in gut microbiomes. ISME Journal, 2022, 16, 1594-1604.	9.8	24
1250	The Nutrition-Microbiota-Physical Activity Triad: An Inspiring New Concept for Health and Sports Performance. Nutrients, 2022, 14, 924.	4.1	9
1251	ARZIMM: A Novel Analytic Platform for the Inference of Microbial Interactions and Community Stability from Longitudinal Microbiome Study. Frontiers in Genetics, 2022, 13, 777877.	2.3	1
1252	Personal dietâ€“microbiota interactions and weight loss. Proceedings of the Nutrition Society, 2022, 81, 243-254.	1.0	8
1253	A multiple-dimension model for microbiota of patients with colorectal cancer from normal participants and other intestinal disorders. Applied Microbiology and Biotechnology, 2022, 106, 2161-2173.	3.6	2
1254	Temporal and Spatial Changes in the Microbiome Following Pediatric Severe Traumatic Brain Injury. Pediatric Critical Care Medicine, 2022, 23, 425-434.	0.5	8
1255	Stability of the gut microbiota in persons with paediatric-onset multiple sclerosis and related demyelinating diseases. Multiple Sclerosis Journal, 2022, 28, 1819-1824.	3.0	2
1256	Prediction of Inflammatory Bowel Disease Course Based on Fecal Scent. Sensors, 2022, 22, 2316.	3.8	4
1257	The Yin-Yang Concept of Pediatric Obesity and Gut Microbiota. Biomedicines, 2022, 10, 645.	3.2	4
1259	Anorexia nervosa and gut microbiome: implications for weight change and novel treatments. Expert Review of Gastroenterology and Hepatology, 2022, , .	3.0	5
1260	Dynamics of the normal gut microbiota: A longitudinal one-year population study in Sweden. Cell Host and Microbe, 2022, 30, 726-739.e3.	11.0	64
1262	Anaerobic singleâ€cell dispensing facilitates the cultivation of human gut bacteria. Environmental Microbiology, 2022, 24, 3861-3881.	3.8	15
1264	COPD and Gutâ€“Lung Axis: How Microbiota and Host Inflammasome Influence COPD and Related Therapeutics. Frontiers in Microbiology, 2022, 13, 868086.	3.5	27
1265	Gut microbial metabolome in inflammatory bowel disease: From association to therapeutic perspectives. Computational and Structural Biotechnology Journal, 2022, 20, 2402-2414.	4.1	30
1266	Longitudinal Characterization of the Fungal Skin Microbiota in Healthy Subjects Over the Period of One Year. Journal of Investigative Dermatology, 2022, , .	0.7	1
1267	Lactobacillus paracasei 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota. Journal of Agricultural and Food Chemistry, 2022, 70, 4631-4643.	5.2	31

#	Article	IF	Citations
1268	Fermented Foods, Health and the Gut Microbiome. Nutrients, 2022, 14, 1527.	4.1	75
1269	Impaired central tolerance induces changes in the gut microbiota that exacerbate autoimmune hepatitis. Journal of Autoimmunity, 2022, 128, 102808.	6.5	3
1270	Alteration of Serum Metabolites in Women of Reproductive Age with Chronic Constipation. Medical Science Monitor, 2022, 28, e934117.	1.1	3
1271	Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease. International Journal of Molecular Sciences, 2022, 23, 206.	4.1	16
1272	Colorectal Cancer-Associated Microbiome Patterns and Signatures. Frontiers in Genetics, 2021, 12, 787176.	2.3	22
1274	Stability of healthy subgingival microbiome across space and time. Scientific Reports, 2021, 11, 23987.	3.3	14
1275	Post-infectious irritable bowel syndrome: renaissance time?. Medical Alphabet, 2021, , 23-28.	0.2	1
1276	Gut Bacteria and Neuropsychiatric Disorders. Microorganisms, 2021, 9, 2583.	3.6	20
1277	Tolerability and SCFA production after resistant starch supplementation in humans: a systematic review of randomized controlled studies. American Journal of Clinical Nutrition, 2022, 115, 608-618.	4.7	14
1278	Protocol of the Healthy Brain Study: An accessible resource for understanding the human brain and how it dynamically and individually operates in its bio-social context. PLoS ONE, 2021, 16, e0260952.	2.5	8
1279	Evaluation of Effects of Laboratory Disinfectants on Mouse Gut Microbiota. Comparative Medicine, 2021, 71, 492-501.	1.0	6
1280	Unraveling the Metabolic Requirements of the Gut Commensal Bacteroides ovatus. Frontiers in Microbiology, 2021, 12, 745469.	3.5	12
1281	Early-life fecal microbiome and metabolome dynamics in response to an intervention with infant formula containing specific prebiotics and postbiotics. American Journal of Physiology - Renal Physiology, 2022, 322, G571-G582.	3.4	7
1283	The Effects of High Fiber Rye, Compared to Refined Wheat, on Gut Microbiota Composition, Plasma Short Chain Fatty Acids, and Implications for Weight Loss and Metabolic Risk Factors (the RyeWeight) Tj ETQq1 1 0.784314 rgBT /Ov	4.7	32
1284	Development of an in vitro Model of Human Gut Microbiota for Screening the Reciprocal Interactions With Antibiotics, Drugs, and Xenobiotics. Frontiers in Microbiology, 2022, 13, 828359.	3.5	10
1285	Acute and persistent effects of commonly used antibiotics on the gut microbiome and resistome in healthy adults. Cell Reports, 2022, 39, 110649.	6.4	64
1286	Competition for fluctuating resources reproduces statistics of species abundance over time across wide-ranging microbiotas. ELife, 2022, 11, .	6.0	37
1379	Acromegaly is associated with a distinct oral and gut microbiota. Pituitary, 2022, 25, 520-530.	2.9	3

#	Article	IF	Citations
1381	Normal Gastrointestinal Tract Physiology. , 2022, , 3-28.		2
1382	Changes in the intestinal microbiota of healthy adults induced by brown yogurt and relationships of bacterial taxa with specific components. Food and Function, 2022, 13, 5701-5714.	4.6	2
1383	Fecal microbiota transplantation is safe and tolerable in patients with multiple sclerosis: A pilot randomized controlled trial. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2022, 8, 205521732210866.	1.0	16
1384	Synchronous Seasonality in the Gut Microbiota of Wild Mouse Populations. Frontiers in Microbiology, 2022, 13, 809735.	3.5	14
1385	Microbial Dark Matter: from Discovery to Applications. Genomics, Proteomics and Bioinformatics, 2022, 20, 867-881.	6.9	20
1388	Individuality of the Extremely Premature Infant Gut Microbiota Is Driven by Ecological Drift. MSystems, 2022, 7, e0016322.	3.8	4
1389	A Promising Insight: The Potential Influence and Therapeutic Value of the Gut Microbiota in GI GVHD. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-13.	4.0	2
1390	Hostâ€"microbial interactions in metabolic diseases: from diet to immunity. Journal of Microbiology, 2022, , 1.	2.8	3
1391	Changes in the Diversity and Composition of Gut Microbiota of Red-Crowned Cranes (Grus japonensis) after Avian Influenza Vaccine and Anthelmintic Treatment. Animals, 2022, 12, 1183.	2.3	4
1392	The developing infant gut microbiome: A strain-level view. Cell Host and Microbe, 2022, 30, 627-638.	11.0	29
1393	Gut mucosal microbiota profiles linked to colorectal cancer recurrence. World Journal of Gastroenterology, 2022, 28, 1946-1964.	3.3	20
1394	Complexityâ€"stability trade-off in empirical microbial ecosystems. Nature Ecology and Evolution, 2022, 6, 693-700.	7.8	29
1395	The Role of Hitchhiking in Cancer Therapeuticsâ€"A Review. Advanced Therapeutics, 2022, 5, .	3.2	5
1396	Gut Microbes Reveal Pseudomonas Medicates Ingestion Preference via Protein Utilization and Cellular Homeostasis Under Feed Domestication in Freshwater Drum, Aplodinotus grunniens. Frontiers in Microbiology, 2022, 13, .	3.5	9
1397	High-throughput, single-microbe genomics with strain resolution, applied to a human gut microbiome. Science, 2022, 376, .	12.6	100
1398	Synchrony and idiosyncrasy in the gut microbiome of wild baboons. Nature Ecology and Evolution, 2022, 6, 955-964.	7.8	18
1400	Exploring the patient-microbiome interaction patterns for pan-cancer. Computational and Structural Biotechnology Journal, 2022, 20, 3068-3079.	4.1	4
1402	Loss of Gut Barrier Integrity In Lupus. Frontiers in Immunology, 0, 13, .	4.8	19

#	Article	IF	Citations
1403	Metabolic Enabling and Detoxification by Mammalian Gut Microbes. Annual Review of Microbiology, 2022, 76, 579-596.	7.3	9
1404	Spatial dynamics of inflammation-causing and commensal bacteria in the gastrointestinal tract. Journal of Theoretical Biology, 2022, , 111194.	1.7	0
1405	How Microbiomes Affect Skin Aging: The Updated Evidence and Current Perspectives. Life, 2022, 12, 936.	2.4	11
1406	Gut microbiota signatures of long-term and short-term plant-based dietary pattern and cardiometabolic health: a prospective cohort study. BMC Medicine, 2022, 20, .	5.5	19
1407	Aging gut microbiota of wild macaques are equally diverse, less stable, but progressively personalized. Microbiome, 2022, 10, .	11.1	9
1408	Short-Term Dairy Product Elimination and Reintroduction Minimally Perturbs the Gut Microbiota in Self-Reported Lactose-Intolerant Adults. MBio, 2022, 13, .	4.1	3
1409	16S rRNA gene sequencing reveals an altered composition of gut microbiota in children with <i>Mycoplasma pneumoniae</i> pneumonia treated with azithromycin. Journal of General and Applied Microbiology, 2022, , .	0.7	1
1410	Mutualistic interplay between bacteriophages and bacteria in the human gut. Nature Reviews Microbiology, 2022, 20, 737-749.	28.6	47
1412	The Relation of Diet and Health: You Are What You Eat. International Journal of Environmental Research and Public Health, 2022, 19, 7774.	2.6	1
1413	Obesity and Gut Microbiota. , 0, , .		1
1414	Intra- and Inter-individual Differences in the Human Intestinal Microbial Conversion of (-)-Epicatechin and Bioactivity of Its Major Colonic Metabolite 5-(3â€²,4â€²-Dihydroxy-Phenyl)-Î³-Valerolactone in Regulating Nrf2-Mediated Gene Expression. Frontiers in Nutrition, 0, 9, .	3.7	6
1415	Longâ€Term Dietary Effects on Human Gut Microbiota Composition Employing Shotgun Metagenomics Data Analysis. Molecular Nutrition and Food Research, 2023, 67, .	3.3	4
1416	Microbial Metabolites in the Maturation and Activation of Dendritic Cells and Their Relevance for Respiratory Immunity. Frontiers in Immunology, 0, 13, .	4.8	5
1417	Microbial liberation of N-methylserotonin from orange fiber in gnotobiotic mice and humans. Cell, 2022, 185, 2495-2509.e11.	28.9	26
1418	Microbiota mediated plasticity promotes thermal adaptation in the sea anemone Nematostella vectensis. Nature Communications, 2022, 13, .	12.8	23
1419	Adaptation of the infant gut microbiome during the complementary feeding transition. PLoS ONE, 2022, 17, e0270213.	2.5	5
1420	Immunoglobulin A antibody composition is sculpted to bind the self gut microbiome. Science Immunology, 2022, 7, .	11.9	18
1421	The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. Nutrients, 2022, 14, 2872.	4.1	16

#	Article	IF	Citations
1422	Bringing pharmacomicrobiomics to the clinic through wellâ€designed studies. Clinical and Translational Science, 2022, 15, 2303-2315.	3.1	4
1423	The plant-based diet, microbiome, and kidney health relationship. Journal of Kidney Care, 2021, 6, 112-118.	0.1	0
1424	Microbiota succession throughout life from the cradle to the grave. Nature Reviews Microbiology, 2022, 20, 707-720.	28.6	66
1425	Transcriptional programming in a Bacteroides consortium. Nature Communications, 2022, 13, .	12.8	14
1426	Faecal microbiota transplant ameliorates gut dysbiosis and cognitive deficits in Huntingtonâ€™s disease mice. Brain Communications, 2022, 4, .	3.3	16
1427	Association Between Gut Microbiota and Depressive Symptoms: A Cross-Sectional Population-Based Study in South Korea. Psychosomatic Medicine, 2022, 84, 757-765.	2.0	4
1429	Evaluation and Management of Reduced Dietary Diversity in Children with Pediatric Feeding Disorder. Journal of Autism and Developmental Disorders, 0, , .	2.7	0
1430	The succession of fecal bacterial community and its correlation with the changes of serum immune indicators in lambs from birth to 4 months. Journal of Integrative Agriculture, 2023, 22, 537-550.	3.5	3
1431	Butyrate-Producing Bacteria and Insulin Homeostasis: The Microbiome and Insulin Longitudinal Evaluation Study (MILES). Diabetes, 2022, 71, 2438-2446.	0.6	18
1432	Synbiotics and Gut Microbiota: New Perspectives in the Treatment of Type 2 Diabetes Mellitus. Foods, 2022, 11, 2438.	4.3	9
1434	Roles of intestinal Parabacteroides in human health and diseases. FEMS Microbiology Letters, 2022, 369, .	1.8	77
1437	Changes in intestinal microflora and its metabolites underlie the cognitive impairment in preterm rats. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	6
1438	The fascinating microbes and their impact on neonatal dogs and cats â€“ A review. Acta Veterinaria Hungarica, 2022, , .	0.5	0
1439	Detecting bacterial adaptation within individual microbiomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	12
1440	Molecular Characterization by Whole-Genome Sequencing of Clinical and Environmental Serratia marcescens Strains Isolated during an Outbreak in a Neonatal Intensive Care Unit (NICU). Diagnostics, 2022, 12, 2180.	2.6	10
1441	Gut microbiota development in the growing dog: A dynamic process influenced by maternal, environmental and host factors. Frontiers in Veterinary Science, 0, 9, .	2.2	12
1442	Specific Localization and Quantification of the Oligoâ€Mouseâ€Microbiota (OMM ¹²) by Fluorescence In Situ Hybridization (FISH). Current Protocols, 2022, 2, .	2.9	2
1443	Bidirectional crosstalk between dysbiotic gut microbiota and systemic lupus erythematosus: What is new in therapeutic approaches?. Clinical Immunology, 2022, 244, 109109.	3.2	6

#	Article	IF	Citations
1444	High-altitude exposure decreases bone mineral density and its relationship with gut microbiota: Results from the China multi-ethnic cohort (CMEC) study. Environmental Research, 2022, 215, 114206.	7.5	11
1445	Gut Microbiome Influence on Human Epigenetics, Health, and Disease. , 2023, , 669-686.		1
1446	Correlation between gut bacteria Phascolarctobacterium and exogenous metabolite Î±-linolenic acid in T2DM: a case-control study. Annals of Translational Medicine, 2022, 10, 1056-1056.	1.7	10
1447	Impact of polyphenols on human gut microbiome and associated biomarkers. , 2022, , 25-40.		1
1448	Multi stress system: Microplastics in freshwater and their effects on host microbiota. Science of the Total Environment, 2023, 856, 159106.	8.0	2
1449	Polyphenolsâ€“Gutâ€“Heart: An Impactful Relationship to Improve Cardiovascular Diseases. Antioxidants, 2022, 11, 1700.	5.1	6
1451	Uncovering the biogeography of the microbial commmunity and its association with nutrient metabolism in the intestinal tract using a pig model. Frontiers in Nutrition, 0, 9, .	3.7	1
1453	Communication in non-communicable diseases (NCDs) and role of immunomodulatory nutraceuticals in their management. Frontiers in Nutrition, 0, 9, .	3.7	0
1454	Human gut microbiota stimulate defined innate immune responses that vary from phylum to strain. Cell Host and Microbe, 2022, 30, 1481-1498.e5.	11.0	22
1455	Microbiome-based interventions to modulate gut ecology and the immune system. Mucosal Immunology, 2022, 15, 1095-1113.	6.0	42
1456	Study on the Effect of Molecular Weight on the Gut Microbiota Fermentation Properties of Blackberry Polysaccharides In Vitro. Journal of Agricultural and Food Chemistry, 2022, 70, 11245-11257.	5.2	16
1457	Design, construction, and inÂvivo augmentation of a complex gut microbiome. Cell, 2022, 185, 3617-3636.e19.	28.9	84
1458	Exploring Bacterial Attributes That Underpin Symbiont Life in the Monogastric Gut. Applied and Environmental Microbiology, 2022, 88, .	3.1	4
1459	Intestinal Engineered Probiotics as Living Therapeutics: Chassis Selection, Colonization Enhancement, Gene Circuit Design, and Biocontainment. ACS Synthetic Biology, 2022, 11, 3134-3153.	3.8	9
1460	Selected commensals educate the intestinal vascular and immune system for immunocompetence. Microbiome, 2022, 10, .	11.1	4
1461	Combined urine metabolomics and 16S rDNA sequencing analyses reveals physiological mechanism underlying decline in natural mating behavior of captive giant pandas. Frontiers in Microbiology, 0, 13, .	3.5	0
1462	Emergent phases of ecological diversity and dynamics mapped in microcosms. Science, 2022, 378, 85-89.	12.6	83
1463	Microbiome epidemiology and association studies in human health. Nature Reviews Genetics, 2023, 24, 109-124.	16.3	17

#	Article	IF	Citations
1464	Cedrol from ginger alleviates rheumatoid arthritis through dynamic regulation of intestinal microenvironment. Food and Function, 2022, 13, 11825-11839.	4.6	3
1465	Gut Microbiome and Obesity: Connecting Link. , 2022, , 71-99.		0
1466	The Association Between Gut Microbiota, Toll-Like Receptors, and Colorectal Cancer. Clinical Medicine Insights: Oncology, 2022, 16, 117955492211305.	1.3	5
1467	Plasticity of the adult human small intestinal stoma microbiota. Cell Host and Microbe, 2022, 30, 1773-1787.e6.	11.0	16
1468	Profiling the Fungal Microbiome after Fecal Microbiota Transplantation for Graft-versus-Host Disease: Insights from a Phase 1 Interventional Study. Transplantation and Cellular Therapy, 2023, 29, 63.e1-63.e5.	1.2	0
1469	The gut microbiota, HPA axis, and brain in adolescent-onset depression: Probiotics as a novel treatment. Brain, Behavior, & Immunity - Health, 2022, 26, 100541.	2.5	9
1470	The Intestinal Microbiota and Short-Chain Fatty Acids in Association with Advanced Metrics of Glycemia and Adiposity Among Young Adults with Type 1 Diabetes and Overweight or Obesity. Current Developments in Nutrition, 2022, 6, nzac107.	0.3	3
1471	New perspectives into the vaginal microbiome with systems biology. Trends in Microbiology, 2023, 31, 356-368.	7.7	4
1472	FABP4 in Paneth cells regulates antimicrobial protein expression to reprogram gut microbiota. Gut Microbes, 2022, 14, .	9.8	3
1473	The influence of machine learning technologies in gut microbiome research and cancer studies - A review. Life Sciences, 2022, 311, 121118.	4.3	5
1474	The Role of the Gut Microbiome in Cowâ€™s Milk Allergy: A Clinical Approach. Nutrients, 2022, 14, 4537.	4.1	3
1475	Persistence of the Probiotic Lacticaseibacillus rhamnosus Strain GG (LGG) in an In Vitro Model of the Gut Microbiome. International Journal of Molecular Sciences, 2022, 23, 12973.	4.1	5
1476	Effects of combined aerobic and resistance training on gut microbiota and cardiovascular risk factors in physically active elderly women: A randomized controlled trial. Frontiers in Physiology, 0, 13, .	2.8	5
1478	Microbiome and Human Health: Current Understanding, Engineering, and Enabling Technologies. Chemical Reviews, 2023, 123, 31-72.	47.7	54
1479	Gastrointestinal symptoms, gut microbiome, probiotics and prebiotics in anorexia nervosa: A review of mechanistic rationale and clinical evidence. Psychoneuroendocrinology, 2023, 147, 105959.	2.7	21
1480	Precision Nutrition from the View of the Gut Microbiome. , 2022, , 67-96.		1
1481	The relationship between Alzheimerâ€™s disease and intestinal microflora structure and inflammatory factors. Frontiers in Aging Neuroscience, 0, 14, .	3.4	7
1483	Correlation of the Gut Microbiota and Antitumor Immune Responses Induced by a Human Papillomavirus Therapeutic Vaccine. ACS Infectious Diseases, 2022, 8, 2494-2504.	3.8	1

#	Article	IF	Citations
1485	Associations of disordered eating with the intestinal microbiota and short-chain fatty acids among young adults with type 1 diabetes. Nutrition, Metabolism and Cardiovascular Diseases, 2023, 33, 388-398.	2.6	0
1486	Impact of gut Microbiome alteration in Ulcerative Colitis patients on disease severity and outcome. Clinical and Experimental Medicine, 2023, 23, 1763-1772.	3.6	5
1487	Exploring the value of microorganisms in the appendix for inferring postmortem interval in <scp>Sprague–Dawley</scp> rats using high‐throughput sequencing. Journal of Forensic Sciences, 0, , .	1.6	0
1488	Moderate and transient impact of antibiotic use on the gut microbiota in a rural Vietnamese cohort. Scientific Reports, 2022, 12, .	3.3	1
1489	Advances in research of microbiome regulation as a therapy for liver failure. World Chinese Journal of Digestology, 2022, 30, 971-977.	0.1	0
1490	Alzheimer's disease and depression in the elderly: A trajectory linking gut microbiota and serotonin signaling. Frontiers in Psychiatry, 0, 13, .	2.6	5
1491	Alterations of the gut microbiota and short chain fatty acids in necrotizing enterocolitis and food protein-induced allergic protocolitis infants: A prospective cohort study. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	1
1492	Remodeling of the microbiota improves the environmental adaptability and disease resistance in Tibetan pigs. Frontiers in Microbiology, 0, 13, .	3.5	0
1493	Global attitudes on and the status of enteral nutrition therapy for pediatric inflammatory bowel disease. Frontiers in Medicine, 0, 9, .	2.6	2
1494	Time-scale analysis of the long-term variability of human gut microbiota characteristics in Chinese individuals. Communications Biology, 2022, 5, .	4.4	3
1495	Dietary and lifestyle associations with microbiome diversity. Gut Pathogens, 2022, 14, .	3.4	1
1496	<scp>3D</scp> printing of microbial communities: A new platform for understanding and engineering microbiomes. Microbial Biotechnology, 2023, 16, 489-493.	4.2	8
1497	Maintenance of gut microbiome stability for optimum intestinal health in pigs – a review. Journal of Animal Science and Biotechnology, 2022, 13, .	5.3	6
1498	Persistence and In Vivo Evolution of Vaginal Bacterial Strains over a Multiyear Time Period. MSystems, 2022, 7, .	3.8	3
1499	Homeostasis and Dysbiosis of the Intestinal Microbiota: Comparing Hallmarks of a Healthy State with Changes in Inflammatory Bowel Disease. Microorganisms, 2022, 10, 2405.	3.6	11
1500	Bacteroides fragilis Maintains Concurrent Capability for Anaerobic and Nanaerobic Respiration. Journal of Bacteriology, 2023, 205, .	2.2	4
1501	Broad host range may be a key to long-term persistence of bacteriophages infecting intestinal Bacteroidaceae species. Scientific Reports, 2022, 12, .	3.3	7
1502	Effects of Silage Diet on Meat Quality through Shaping Gut Microbiota in Finishing Pigs. Microbiology Spectrum, 2023, 11, .	3.0	13

#	Article	IF	Citations
1503	Combined organic-inorganic fertilization builds higher stability of soil and root microbial networks than exclusive mineral or organic fertilization. Soil Ecology Letters, 2023, 5, .	4.5	7
1504	Tea Consumption and Gut Microbiome in Older Chinese Adults. Journal of Nutrition, 2023, 153, 293-300.	2.9	0
1505	Associations of Dietary Intake with the Intestinal Microbiota and Short-Chain Fatty Acids Among Young Adults with Type 1 Diabetes and Overweight or Obesity. Journal of Nutrition, 2023, 153, 1178-1188.	2.9	4
1506	The gut-microbiota-brain axis in a Spanish population in the aftermath of the COVID-19 pandemic: microbiota composition linked to anxiety, trauma, and depression profiles. Gut Microbes, 2023, 15, .	9.8	10
1507	Mesenteric Microbiology and Inflammatory Bowel Disease: Improved Understanding Due to Accelerating Innovation and Sophistication of Molecular Technology. , 2023, , 111-126.		1
1508	Human Gut Microbiota Plasticity throughout the Life Course. International Journal of Environmental Research and Public Health, 2023, 20, 1463.	2.6	11
1510	The intestinal microenvironment shapes macrophage and dendritic cell identity and function. Immunology Letters, 2023, 253, 41-53.	2.5	5
1511	Role of Gut Microbiome in Immune Regulation and Immune Checkpoint Therapy of Colorectal Cancer. Digestive Diseases and Sciences, 2023, 68, 370-379.	2.3	3
1512	The impact of Helicobacter pylori infection and eradication therapy containing minocycline and metronidazole on intestinal microbiota. BMC Microbiology, 2022, 22, .	3.3	6
1513	Technical versus biological variability in a synthetic human gut community. Gut Microbes, 2023, 15, .	9.8	2
1514	Differential response to prolonged amoxicillin treatment: long-term resilience of the microbiome versus long-lasting perturbations in the gut resistome. Gut Microbes, 2023, 15, .	9.8	7
1515	Gut microbe Lactiplantibacillus plantarum undergoes different evolutionary trajectories between insects and mammals. BMC Biology, 2022, 20, .	3.8	2
1516	Fine-scale diversity of microbial communities due to satellite niches in boom and bust environments. PLoS Computational Biology, 2022, 18, e1010244.	3.2	11
1519	Gut-brain axis. , 2023, , 445-495.		0
1521	A Cross-Sectional Study of Potential Antimicrobial Resistance and Ecology in Gastrointestinal and Oral Microbial Communities of Young Normoweight Pakistani Individuals. Microorganisms, 2023, 11, 279.	3.6	2
1522	Fecal transplant. , 2023, , 391-398.		0
1523	Individuality and stability of the koala (Phascolarctos cinereus) faecal microbiota through time. PeerJ, 0, 11, e14598.	2.0	3
1524	The microbiome stabilizes circadian rhythms in the gut. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	14

#	Article	IF	Citations
1525	Disease mechanisms as subtypes: Microbiome. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2023, , 107-131.	1.8	2
1526	Highâ€resolution phylogenetic analysis reveals longâ€term microbial dynamics and microdiversity in phytoplankton microbiome. Journal of Eukaryotic Microbiology, 2023, 70, .	1.7	2
1527	Impact of Gut Microbiota on Host Aggression: Potential Applications for Therapeutic Interventions Early in Development. Microorganisms, 2023, 11, 1008.	3.6	3
1528	In vitro gastrointestinal digestion of whole grain noodles supplemented with soluble dietary fiber and their effects on children fecal microbiota. Food Bioscience, 2023, 53, 102600.	4.4	2
1529	Proportional stochastic generalized Lotkaâ€“Volterra model with an application to learning microbial community structures. Applied Mathematics and Computation, 2023, 448, 127932.	2.2	1
1530	Species interactions, stability, and resilience of the gut microbiota - Helminth assemblage in horses. IScience, 2023, 26, 106044.	4.1	13
1531	Gut Microbiota in Colorectal Cancer: Biological Role and Therapeutic Opportunities. Cancers, 2023, 15, 866.	3.7	15
1532	Regulatory effects of oral microbe on intestinal microbiota and the illness. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	6
1533	Gut Microbiota and Coronary Artery Disease: Current Therapeutic Perspectives. Metabolites, 2023, 13, 256.	2.9	4
1534	The Effects of Smoking on Human Pharynx Microbiota Composition and Stability. Microbiology Spectrum, 2023, 11, .	3.0	2
1535	Controlling the human microbiome. Cell Systems, 2023, 14, 135-159.	6.2	2
1536	Advanced delivery systems for peptide antibiotics. Advanced Drug Delivery Reviews, 2023, 196, 114733.	13.7	12
1537	Ecological Stability Emerges at the Level of Strains in the Human Gut Microbiome. MBio, 2023, 14, .	4.1	16
1539	Diet Quality and the Fecal Microbiota in Adults in the American Gut Project. Journal of Nutrition, 2023, 153, 2004-2015.	2.9	4
1540	Effects of altitude on the gut microbiome and metabolomics of Sanhe heifers. Frontiers in Microbiology, 0, 14, .	3.5	3
1541	Seminars in immunology special issue: Nutrition, microbiota and immunity The unexplored microbes in health and disease. Seminars in Immunology, 2023, 66, 101735.	5.6	1
1542	The Colorectal Cancer Microbiota Alter Their Transcriptome To Adapt to the Acidity, Reactive Oxygen Species, and Metabolite Availability of Gut Microenvironments. MSphere, 2023, 8, .	2.9	6
1543	Diet-Induced Microbiomeâ€™s Impact on Heart Failure: A Double-Edged Sword. Nutrients, 2023, 15, 1223.	4.1	5

#	Article	IF	Citations
1545	Role of the microbiota-gut-brain axis in postacute COVID syndrome. American Journal of Physiology - Renal Physiology, 2023, 324, G322-G328.	3.4	4
1546	Short-chain fatty acids as a link between diet and cardiometabolic risk: a narrative review. Lipids in Health and Disease, 2023, 22, .	3.0	3
1547	Multiple phase transitions shape biodiversity of a migrating population. Physical Review E, 2023, 107, .	2.1	0
1548	A symbiotic physical niche in Drosophila melanogaster regulates stable association of a multi-species gut microbiota. Nature Communications, 2023, 14, .	12.8	15
1550	Bacteriophages of the Order Crassvirales: What Do We Currently Know about This Keystone Component of the Human Gut Virome?. Biomolecules, 2023, 13, 584.	4.0	7
1551	The Interaction between Gut Microbiota and Host Amino Acids Metabolism in Multiple Myeloma. Cancers, 2023, 15, 1942.	3.7	2
1552	Transmission of the Potential Pathogen Atypical Enteropathogenic Escherichia coli by Fecal Microbiota Transplant. Gastroenterology, 2023, 165, 279-282.e1.	1.3	1
1553	Temperate bacteriophages infecting the mucin-degrading bacterium Ruminococcus gnavus from the human gut. Gut Microbes, 2023, 15, .	9.8	2
1555	Discrete patterns of microbiome variability across timescales in a wild rodent population. BMC Microbiology, 2023, 23, .	3.3	1
1556	Maturation state of colonization sites promotes symbiotic resiliency in the Euprymna scolopes-Vibrio fischeri partnership. Microbiome, 2023, 11, .	11.1	1
1557	Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota. Nutrients, 2023, 15, 1767.	4.1	4
1558	Association between gut microbiota and anxiety symptoms: A large population-based study examining sex differences. Journal of Affective Disorders, 2023, 333, 21-29.	4.1	2
1559	The regulatory effects of Lonicera japonica flos on fecal microbiota from humans with type 2 diabetes in a SHIME model. Journal of Herbal Medicine, 2023, 39, 100654.	2.0	2
1560	Gut microbiota and ionizing radiation-induced damage: Is there a link?. Environmental Research, 2023, 229, 115947.	7.5	1
1561	Association of long-term exposure to ambient PM2.5 and its constituents with gut microbiota: Evidence from a China cohort. Science of the Total Environment, 2023, 884, 163577.	8.0	1
1562	An Evaluation Method of Human Gut Microbial Homeostasis by Testing Specific Fecal Microbiota. Engineering, 2023, 29, 110-119.	6.7	0
1563	Gut redox potential affects host susceptibility to pathogen infection. Aquaculture, 2023, 574, 739661.	3.5	1
1564	Time series cluster analysis reveals individual assignment of microbiota in captive tiger (Panthera) Tj ETQq1 1 0.784314 rgBT /Ove	1.9	0

#	Article	IF	Citations
1565	The relationship between unique gut microbiome-derived lipid metabolites and subsequent revascularization in patients who underwent percutaneous coronary intervention. Atherosclerosis, 2023, 375, 1-8.	0.8	2
1566	Acer truncatum leaves reduce lipid accumulation and improve liver and intestine health of grass carp (Ctenopharyngodon idella) fed with high-fat diet. Aquaculture, 2023, 573, 739613.	3.5	2
1567	Universal gut microbial relationships in the gut microbiome of wild baboons. ELife, 0, 12, .	6.0	5
1568	Impact of Repeated Infantile Exposure to Surgery and Anesthesia on Gut Microbiota and Anxiety Behaviors at Age 6â€“9. Journal of Personalized Medicine, 2023, 13, 823.	2.5	0
1570	Magnesium increases numbers of Foxp3+ Treg cells and reduces arthritis severity and joint damage in an IL-10-dependent manner mediated by the intestinal microbiome. EBioMedicine, 2023, 92, 104603.	6.1	2
1572	Human gut microbiome: A primer for the clinician. JGH Open, 2023, 7, 337-350.	1.6	1
1573	Gut microbiota and type 1 diabetes: a two-sample bidirectional Mendelian randomization study. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	10
1574	Human gut microbiota influences drug-metabolizing enzyme hepatic Cyp3a: A human flora-associated mice study. Journal of Toxicological Sciences, 2023, 48, 333-343.	1.5	1
1575	Pulsed antibiotic treatments of gnotobiotic mice manifest in complex bacterial community dynamics and resistance effects. Cell Host and Microbe, 2023, 31, 1007-1020.e4.	11.0	3
1576	Longitudinal study of gut microbiome in obsessiveâ€compulsive disorder. Brain and Behavior, 2023, 13, .	2.2	1
1577	A purified membrane protein from Akkermansia muciniphila blunted the sepsis-induced acute lung injury by modulation of gut microbiota in rats. International Immunopharmacology, 2023, 121, 110432.	3.8	3
1579	Role of microbiome in development of systemic inflammatory response syndrome and sepsis (review). Epidemiology and Infectious Diseases (Russian Journal), 2023, 28, 167-182.	0.1	1
1580	Comparative Microbial Community Analysis of Fur Seals and Aquaculture Salmon Gut Microbiomes in Tasmania. Oceans, 2023, 4, 200-219.	1.3	1
1581	Title Pending 15762. Meat and Muscle Biology, 0, , .	1.9	0
1582	16S rRNA gene sequencing reveals the correlation between the gut microbiota and the susceptibility to pathological scars. Frontiers in Microbiology, 0, 14, .	3.5	1
1583	EMBED: Essential MicroBiomE Dynamics, a dimensionality reduction approach for longitudinal microbiome studies. Npj Systems Biology and Applications, 2023, 9, .	3.0	0
1584	Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs. Journal of Nutrition, 2023, , .	2.9	0
1585	Ultra-deep sequencing of Hadza hunter-gatherers recovers vanishing gut microbes. Cell, 2023, 186, 3111-3124.e13.	28.9	39

#	Article	IF	Citations
1586	Association of Estimated Daily Lactose Consumption, Lactase Persistence Genotype (rs4988235), and Gut Microbiota in Healthy Adults in the United States. Journal of Nutrition, 2023, 153, 2163-2173.	2.9	2
1587	What is microbial dysbiosis and how does it impact human health?. , 2023, , 109-123.		0
1588	Exploring the Diversity and Antibiogram of the Soil around a Tertiary Care Hospital and a University Precinct in Southern India: A Pilot Study. Soil Systems, 2023, 7, 45.	2.6	0
1589	Effects of second-line anti-tuberculosis drugs on the intestinal microbiota of patients with rifampicin-resistant tuberculosis. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	1
1590	Stress, inflammation, microbiome and depression. Pharmacology Biochemistry and Behavior, 2023, 227-228, 173561.	2.9	4
1591	Identification of an Acinetobacter lwoffii strain isolated from diseased hybrid sturgeon (Acipenser) Tj ETQq1 1 0.784314 rgBT /Overlock	3.5	0
1593	Lifestyles, arterial aging, and its relationship with the intestinal and oral microbiota (MIVAS III study): a research protocol for a cross-sectional multicenter study. Frontiers in Public Health, 0, 11, .	2.7	2
1594	Improved cryptic plasmids in probiotic Escherichia coli Nissle 1917 for antibiotic-free pathway engineering. Applied Microbiology and Biotechnology, 2023, 107, 5257-5267.	3.6	1
1595	Evaluation of Gut Microbiota Stability and Flexibility as a Response to Seasonal Variation in the Wild FranÃ§oisâ€™ Langurs (Trachypithecus francoisi) in Limestone Forest. Microbiology Spectrum, 0, , .	3.0	1
1596	Gut Microbiota Throughout the Lifespan. , 2023, , 61-82.		0
1597	The effects of probiotics supplementation on glycaemic control among adults with type 2 diabetes mellitus: a systematic review and meta-analysis of randomised clinical trials. Journal of Translational Medicine, 2023, 21, .	4.4	7
1598	Dynamic effects of probiotic formula ecologicÂ®825 on human small intestinal ileostoma microbiota: a network theory approach. Gut Microbes, 2023, 15, .	9.8	1
1599	Structure and assembly of type VI secretion system cargo delivery vehicle. Cell Reports, 2023, 42, 112781.	6.4	1
1601	Bacterial clade-specific analysis identifies distinct epithelial responses in inflammatory bowel disease. Cell Reports Medicine, 2023, 4, 101124.	6.5	1
1602	Alterations in fecal Î²-defensin-3 secretion as a marker of instability of the gut microbiota. Gut Microbes, 2023, 15, .	9.8	1
1603	A macroecological perspective on genetic diversity in the human gut microbiome. PLoS ONE, 2023, 18, e0288926.	2.5	4
1604	Mechanism of action of gut microbiota and probiotic Lactobacillus rhamnosus GG on skeletal remodeling in mice. Endocrinology, Diabetes and Metabolism, 0, , .	2.4	2
1605	Antibiotic-induced collateral damage to the microbiota and associated infections. Nature Reviews Microbiology, 2023, 21, 789-804.	28.6	7

#	Article	IF	Citations
1608	Probiotics in gastroenterology. Gastroenterology, Hepatology and Endoscopy Practice, 2021, 1, 11.	0.2	1
1609	Dissecting Microbiome-Derived SCFAs in Prostate Cancer: Analyzing Gut Microbiota, Racial Disparities, and Epigenetic Mechanisms. Cancers, 2023, 15, 4086.	3.7	1
1610	Stability of human gut microbiome: Comparison of ecological modelling and observational approaches. Computational and Structural Biotechnology Journal, 2023, 21, 4456-4468.	4.1	0
1611	Urbanization and edge effects interact to drive mutualism breakdown and the rise of unstable pathogenic communities in forest soil. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1
1612	Improvements in Gut Microbiome Composition Predict the Clinical Efficacy of a Novel Synbiotics Formula in Children with Mild to Moderate Atopic Dermatitis. Microorganisms, 2023, 11, 2175.	3.6	1
1613	Association between Probiotics and Modulation of Gut Microbial Community Composition in Colorectal Cancer Animal Models: A Systematic Review (2010â€“2021). Canadian Journal of Infectious Diseases and Medical Microbiology, 2023, 2023, 1-21.	1.9	0
1614	Fecal Microbiota Transplantation in Irritable Bowel Syndrome: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. International Journal of Molecular Sciences, 2023, 24, 14562.	4.1	1
1615	Geroprotective potential of microbiome modulators in the Caenorhabditis elegans model. GeroScience, 0, , .	4.6	1
1616	Overview of the Gut Microbiome. Seminars in Neurology, 2023, 43, 518-529.	1.4	0
1617	Modulation of gut microbiota: a novel approach to enhancing the effects of immune checkpoint inhibitors. Therapeutic Advances in Medical Oncology, 2023, 15, .	3.2	3
1618	Emerging insights into inflammatory bowel disease from the intestinal microbiota perspective: a bibliometric analysis. Frontiers in Immunology, 0, 14, .	4.8	1
1620	Exploration of pathogenic microorganism within the small intestine of necrotizing enterocolitis. World Journal of Pediatrics, 2024, 20, 165-172.	1.8	2
1621	Metagenomic insights into the effects of cosmetics containing complex polysaccharides on the composition of skin microbiota in females. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	0
1627	Diversity of Bacteroidaceae family in gut microbiota of patients with chronic kidney disease and end stage renal disease. Health Promotion Perspectives, 2023, 13, 237-242.	1.9	0
1629	Integrating new variables into a framework to support cacao denomination of origin: a case study in <scp>Southwest Colombia</scp>. Journal of the Science of Food and Agriculture, 2024, 104, 1367-1381.	3.5	1
1630	Contact with caregivers is associated with composition of the infant gastrointestinal microbiome in the first 6 months of life. American Journal of Biological Anthropology, 2024, 183, .	1.1	0
1631	Farnesoid X receptor: From Structure to Function and Its Pharmacology in Liver Fibrosis. , 2023, .		1
1632	Human Gut Microbiome: Its Role in Health and Development. Sustainable Development Goals Series, 2023, , 107-115.	0.4	0

#	Article	IF	Citations
1633	The short-term and long-term effects of Dendrobium officinale leaves polysaccharides on the gut microbiota differ. Journal of Functional Foods, 2023, 110, 105807.	3.4	0
1634	Transcriptional control of carbohydrate catabolism by the CcpA protein in the ruminal bacterium Streptococcus bovis. Applied and Environmental Microbiology, 2023, 89, .	3.1	1
1636	Systems and synthetic biology-driven engineering of live bacterial therapeutics. Frontiers in Bioengineering and Biotechnology, 0, 11, .	4.1	1
1637	Endocrine, genetic, and microbiome nexus of obesity and potential role of postbiotics: a narrative review. Eating and Weight Disorders, 2023, 28, .	2.5	1
1638	Differences in the Composition of Akkermansia Species and Families of Christensenellaceae and Ruminococcaceae Bacteria in the Gut Microbiota of Healthy Polish Women following a Typical Western Diet. Diversity, 2023, 15, 1103.	1.7	0
1639	Community composition and the environment modulate the population dynamics of type VI secretion in human gut bacteria. Nature Ecology and Evolution, 2023, 7, 2092-2107.	7.8	4
1640	The Bern Birth Cohort (BeBiCo) to study the development of the infant intestinal microbiota in a high-resource setting in Switzerland: rationale, design, and methods. BMC Pediatrics, 2023, 23, .	1.7	0
1641	Towards a mathematical understanding of invasion resistance in multispecies communities. Royal Society Open Science, 2023, 10, .	2.4	1
1642	Dietary sodium diacetate inclusion relieved hepatic glycogen deposition, oxidative stress, and intestinal microbial imbalance of largemouth bass (Micropterus salmoides) fed high dietary carbohydrate. Aquaculture, 2024, 580, 740307.	3.5	1
1643	The Microbiome, Metabolism, and Networks in Precision Nutrition. , 2024, , 91-142.		0
1644	Genomic analyses of Bacteroides fragilis: subdivisions I and II represent distinct species. Journal of Medical Microbiology, 2023, 72, .	1.8	1
1645	Traumatic brain injury, abnormal growth hormone secretion, and gut dysbiosis. Best Practice and Research in Clinical Endocrinology and Metabolism, 2023, 37, 101841.	4.7	0
1646	Alterations of ileal mucosa-associated microbiota in hypercholesterolemia patients. Heliyon, 2023, 9, e22116.	3.2	0
1647	Enhancing the Conventional Culture: the Evaluation of Several Culture Media and Growth Conditions Improves the Isolation of Ruminal Bacteria. Microbial Ecology, 2024, 87, .	2.8	0
1648	Gut microbiota in pathophysiology, diagnosis, and therapeutics of inflammatory bowel disease. Intestinal Research, 2024, 22, 15-43.	2.6	3
1649	Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease. MSystems, 2023, 8, .	3.8	1
1650	The importance of the intestinal microbiota in humans and dogs in the neonatal period. Animal Reproduction, 2023, 20, .	1.0	0
1651	Maternal polysorbate 80 intake promotes offspring metabolic syndrome through vertical microbial transmission in mice. Science of the Total Environment, 2024, 909, 168624.	8.0	0

#	Article	IF	Citations
1652	The regulatory role of gut microbiota in inflammation in depression and anxiety. Zhurnal Nevrologii I Psikhiatrii Imeni S S Korsakova, 2023, 123, 33.	0.7	1
1653	Gut immune responses and evolution of the gut microbiome â€“ a hypothesis. , 0, , .		0
1654	Reversible aberrancies in gut microbiome of moderate and late preterm infants: results from a randomized, controlled trial. Gut Microbes, 2023, 15, .	9.8	0
1655	A dynamics association study of gut barrier and microbiota in hyperuricemia. Frontiers in Microbiology, 0, 14, .	3.5	1
1656	Classical famous prescription of Jichuan decoction improved loperamide-induced slow transit constipation in rats through the cAMP/PKA/AQPs signaling pathway and maintained inflammatory/intestinal flora homeostasis. Heliyon, 2024, 10, e21870.	3.2	0
1657	From Mother to Infant, from Placenta to Gut: Understanding Varied Microbiome Profiles in Neonates. Metabolites, 2023, 13, 1184.	2.9	0
1658	Biodiversity and Constrained Information Dynamics in Ecosystems: A Framework for Living Systems. Entropy, 2023, 25, 1624.	2.2	0
1659	Fraxetin ameliorates symptoms of dextran sulphate sodium-induced colitis in mice. Heliyon, 2024, 10, e23295.	3.2	1
1660	Gut dysbiosis induced by florfenicol increases susceptibility to Aeromonas hydrophila infection in Zebrafish Danio rerio after the recommended withdrawal period. Journal of Aquatic Animal Health, 0, , .	1.4	0
1663	Utilization of the microbiome in personalized medicine. Nature Reviews Microbiology, 0, , .	28.6	5
1664	Microbiome signatures in ischemic stroke: A systematic review. Heliyon, 2024, 10, e23743.	3.2	0
1665	Duodenal microbiome in chronic kidney disease. Clinical and Experimental Nephrology, 0, , .	1.6	0
1666	Bacteroides fragilis ubiquitin homologue drives intraspecies bacterial competition in the gut microbiome. Nature Microbiology, 2024, 9, 70-84.	13.3	3
1667	Infant gut DNA bacteriophage strain persistence during the first 3 years of life. Cell Host and Microbe, 2024, 32, 35-47.e6.	11.0	1
1669	Microbial collaborations and conflicts: unraveling interactions in the gut ecosystem. Gut Microbes, 2024, 16, .	9.8	1
1670	Methodological Considerations in Longitudinal Analyses of Microbiome Data: A Comprehensive Review. Genes, 2024, 15, 51.	2.4	0
1671	Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study. Kidney International Reports, 2024, 9, 671-685.	0.8	0
1672	Bacteroides fragilis toxin expression enables lamina propria niche acquisition in the developing mouse gut. Nature Microbiology, 2024, 9, 85-94.	13.3	2

#	Article	IF	Citations
1675	Temporal Variability of the Dominant Fecal Microbiota in Healthy Adult Cats. Veterinary Sciences, 2024, 11, 31.	1.7	0
1676	Influence of pancreaticoduodenectomy for periampullary carcinoma on intestinal microbiome and metabolites. Heliyon, 2024, 10, e24393.	3.2	0
1677	Investigating macroecological patterns in coarse-grained microbial communities using the stochastic logistic model of growth. ELife, 0, 12, .	6.0	0
1678	Fermented foods: Harnessing their potential to modulate the microbiota-gut-brain axis for mental health. Neuroscience and Biobehavioral Reviews, 2024, 158, 105562.	6.1	1
1679	Longitudinal profiling of the intestinal microbiome in children with cystic fibrosis treated with elexacaftor-tezacaftor-ivacaftor. MBio, 2024, 15, .	4.1	0
1680	Rat microbial biogeography and age-dependent lactic acid bacteria in healthy lungs. Lab Animal, 2024, 53, 43-55.	0.4	0
1681	Temporal gut microbiota variability and association with dietary patterns: From the one-year observational Diet, Cancer, and Health - Next Generations MAX study. American Journal of Clinical Nutrition, 2024, 119, 1015-1026.	4.7	0
1682	Effects of past and present habitat on the gut microbiota of a wild rodent. Proceedings of the Royal Society B: Biological Sciences, 2024, 291, .	2.6	0
1683	High diversity, close genetic relatedness, and favorable living conditions benefit species co-occurrence of gut microbiota in Brandtâ€™s vole. Frontiers in Microbiology, 0, 15, .	3.5	0
1684	Soil exposure modulates the immune response to an influenza challenge in a mouse model. Science of the Total Environment, 2024, 922, 170865.	8.0	0
1685	Flash extraction of ulvan polysaccharides from marine green macroalga Ulva linza and evaluation of its antioxidant and gut microbiota modulation activities. International Journal of Biological Macromolecules, 2024, 262, 130174.	7.5	0
1686	The Players Within the Intestinal Microbiome (Bacteria, Fungi, Parasites, and Viruses). , 2023, , 13-24.		0
1687	The intestinal digesta microbiota of tropical marine fish is largely uncultured and distinct from surrounding water microbiota. Npj Biofilms and Microbiomes, 2024, 10, .	6.4	0
1688	Temporal dynamics of gut microbiomes in non-industrialized urban Amazonia. MSystems, 2024, 9, .	3.8	0
1689	Dual membrane-spanning anti-sigma factors regulate vesiculation in Bacteroides thetaiotaomicron. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.1	0
1692	Antibiotics: the triumph of civilization and its other side. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2024, , 177-185.	0.4	0
1693	The altered TBI fecal microbiome is stable and functionally distinct. Frontiers in Molecular Neuroscience, 0, 17, .	2.9	0
1694	Differences in diversity and community composition of the shell microbiome of apparently healthy lobsters Homarus americanus across Atlantic Canada. Frontiers in Microbiology, 0, 15, .	3.5	0

#	Article	IF	Citations
1695	The importance of host physical niches for the stability of gut microbiome composition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2024, 379, .	4.0	0
1696	Identification of metabolites produced by six gut commensal Bacteroidales strains using non-targeted LC-MS/MS metabolite profiling. Microbiological Research, 2024, 283, 127700.	5.3	0