The gut microbiota â€” masters of host development an

Nature Reviews Microbiology

11, 227-238

DOI: 10.1038/nrmicro2974

Citation Report

#	Article	IF	Citations
1	Associations among Health Perceptions and Health Status within Three Age Groups. Journal of Aging and Health, 1990, 2, 58-80.	0.9	66
2	Functional food ingredients for the management of obesity and associated co-morbidities â€“ A review. Journal of Functional Foods, 2013, 5, 997-1012.	1.6	135
3	New generation of oral mucosal vaccines targeting dendritic cells. Current Opinion in Chemical Biology, 2013, 17, 918-924.	2.8	45
4	With a little help from my phage friends. Nature Reviews Genetics, 2013, 14, 517-517.	7.7	0
5	Omics approaches to study hostâ€“microbiota interactions. Current Opinion in Microbiology, 2013, 16, 270-277.	2.3	22
6	Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. Mechanisms of Ageing and Development, 2013, 134, 541-547.	2.2	32
7	Dysbiosisâ€”A consequence of Paneth cell dysfunction. Seminars in Immunology, 2013, 25, 334-341.	2.7	87
8	Remote controlâ€”triggering of brain autoimmune disease in the gut. Current Opinion in Immunology, 2013, 25, 683-689.	2.4	37
9	Microbiota-Derived Hydrogen Fuels Salmonella Typhimurium Invasion of the Gut Ecosystem. Cell Host and Microbe, 2013, 14, 641-651.	5.1	145
10	The mucosal immune system of fish: The evolution of tolerating commensals while fighting pathogens. Fish and Shellfish Immunology, 2013, 35, 1729-1739.	1.6	574
11	Metagenome and metabolism: the tissue microbiota hypothesis. Diabetes, Obesity and Metabolism, 2013, 15, 61-70.	2.2	112
12	A fresh look at the hygiene hypothesis: How intestinal microbial exposure drives immune effector responses in atopic disease. Seminars in Immunology, 2013, 25, 378-387.	2.7	55
13	Quorum Sensing in the Squid-Vibrio Symbiosis. International Journal of Molecular Sciences, 2013, 14, 16386-16401.	1.8	96
14	Recent insight into oligosaccharide uptake and metabolism in probiotic bacteria. Biocatalysis and Biotransformation, 2013, 31, 226-235.	1.1	23
15	Seven transmembrane G protein-coupled receptor repertoire of gastric ghrelin cells. Molecular Metabolism, 2013, 2, 376-392.	3.0	261
16	Stimulating cROSstalk between commensal bacteria and intestinal stem cells. EMBO Journal, 2013, 32, 3009-3010.	3.5	13
17	Looking large, to make more, out of gut metagenomics. Current Opinion in Microbiology, 2013, 16, 630-635.	2.3	7
18	Bringing the gut microbiota into focus through microbial culture: recent progress and future perspective. Current Opinion in Microbiology, 2013, 16, 625-629.	2.3	55

#	Article	IF	Citations
19	Dual role of commensal bacteria in viral infections. Immunological Reviews, 2013, 255, 222-229.	2.8	43
20	The Hologenome Concept: Human, Animal and Plant Microbiota. , 2013, , .		58
21	ACE2 â€“ From the reninâ€“angiotensin system to gut microbiota and malnutrition. Microbes and Infection, 2013, 15, 866-873.	1.0	193
22	Effects of the Modulation of Microbiota on the Gastrointestinal Immune System and Bowel Function. Journal of Agricultural and Food Chemistry, 2013, 61, 9977-9983.	2.4	40
23	Assessing the Human Gut Microbiota in Metabolic Diseases. Diabetes, 2013, 62, 3341-3349.	0.3	384
24	Metabonomic approaches to nutrient metabolism and future molecular nutrition. TrAC - Trends in Analytical Chemistry, 2013, 52, 112-119.	5.8	14
25	Resident commensals shaping immunity. Current Opinion in Immunology, 2013, 25, 450-455.	2.4	59
26	Pathogenesis of Human Enterovirulent Bacteria: Lessons from Cultured, Fully Differentiated Human Colon Cancer Cell Lines. Microbiology and Molecular Biology Reviews, 2013, 77, 380-439.	2.9	55
27	Recognition of Extracellular Bacteria by NLRs and Its Role in the Development of Adaptive Immunity. Frontiers in Immunology, 2013, 4, 344.	2.2	25
28	The gut-liver axis. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 576-581.	1.3	67
29	Developments and insights into the analysis of the human microbiome. Laboratoriums Medizin, 2013, 37, .	0.1	1
30	Molecular Mechanisms and Cell Targets of Th17 Cells in the Gastrointestinal Tract: An Innate Sense of Adaptivity. International Reviews of Immunology, 2013, 32, 475-492.	1.5	2
31	The Role of Innate and Adaptive Immunity in Parkinson's Disease. Journal of Parkinson's Disease, 2013, 3, 493-514.	1.5	249
32	HDAC1 and HDAC2 Restrain the Intestinal Inflammatory Response by Regulating Intestinal Epithelial Cell Differentiation. PLoS ONE, 2013, 8, e73785.	1.1	84
33	Altered Mucus Glycosylation in Core 1 O-Glycan-Deficient Mice Affects Microbiota Composition and Intestinal Architecture. PLoS ONE, 2014, 9, e85254.	1.1	114
34	Drosophila Microbiota Modulates Host Metabolic Gene Expression via IMD/NF-ÎºB Signaling. PLoS ONE, 2014, 9, e94729.	1.1	113
35	The Gut Microbiota Modulates Glycaemic Control and Serum Metabolite Profiles in Non-Obese Diabetic Mice. PLoS ONE, 2014, 9, e110359.	1.1	43
36	The gut microbiota in mouse models of inflammatory bowel disease. Frontiers in Cellular and Infection Microbiology, 2014, 4, 28.	1.8	143

#	Article	IF	Citations
37	Supra-organismal interactions in the human intestine. Frontiers in Cellular and Infection Microbiology, 2014, 4, 47.	1.8	14
38	Heterogeneity across the murine small and large intestine. World Journal of Gastroenterology, 2014, 20, 15216.	1.4	64
39	Unraveling the ties between irritable bowel syndrome and intestinal microbiota. World Journal of Gastroenterology, 2014, 20, 2470.	1.4	67
40	Intestinal barrier: A gentlemenâ€™s agreement between microbiota and immunity. World Journal of Gastrointestinal Pathophysiology, 2014, 5, 18.	0.5	101
41	Maternally acquired genotoxicEscherichia colialters offspringâ€™s intestinal homeostasis. Gut Microbes, 2014, 5, 313-512.	4.3	72
42	Effect of zinc on growth performance, gut morphometry, and cecal microbial community in broilers challenged with Salmonella enterica serovar typhimurium. Journal of Microbiology, 2014, 52, 1002-1011.	1.3	64
44	Maternal perspectives on the use of probiotics in infants: a cross-sectional survey. BMC Complementary and Alternative Medicine, 2014, 14, 366.	3.7	18
45	Modulation of Fecal Clostridiales Bacteria and Butyrate by Probiotic Intervention with Lactobacillus paracasei DG Varies among Healthy Adults. Journal of Nutrition, 2014, 144, 1787-1796.	1.3	169
48	Gut microbes and adverse food reactions: Focus on gluten related disorders. Gut Microbes, 2014, 5, 594-605.	4.3	37
49	The role of metagenomics in understanding the human microbiome in health and disease. Virulence, 2014, 5, 413-423.	1.8	87
50	Predicting Chemical Environments of Bacteria from Receptor Signaling. PLoS Computational Biology, 2014, 10, e1003870.	1.5	27
51	Communities of microbial eukaryotes in the mammalian gut within the context of environmental eukaryotic diversity. Frontiers in Microbiology, 2014, 5, 298.	1.5	130
52	The Intestinal Microbiome in Early Life: Health and Disease. Frontiers in Immunology, 2014, 5, 427.	2.2	685
53	Pathobiology of Salmonella, Intestinal Microbiota, and the Host Innate Immune Response. Frontiers in Immunology, 2014, 5, 252.	2.2	46
54	Syntrophy in microbial fuel cells. ISME Journal, 2014, 8, 4-5.	4.4	38
55	Bifidobacteria-Host Interactionsâ€”An Update on Colonisation Factors. BioMed Research International, 2014, 2014, 1-10.	0.9	45
56	Hidden Diversity in Honey Bee Gut Symbionts Detected by Single-Cell Genomics. PLoS Genetics, 2014, 10, e1004596.	1.5	131
57	Staphylococcus aureus Colonization: Modulation of Host Immune Response and Impact on Human Vaccine Design. Frontiers in Immunology, 2014, 4, 507.	2.2	167

#	Article	IF	Citations
58	Old Dog, New Trick: A Direct Role for Leptin in Regulating Microbiota Composition. Endocrinology, 2014, 155, 653-655.	1.4	4
59	Draft Genome Sequences of the Altered Schaedler Flora, a Defined Bacterial Community from Gnotobiotic Mice. Genome Announcements, 2014, 2, .	0.8	52
60	Enterotoxicity of a nonribosomal peptide causes antibiotic-associated colitis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13181-13186.	3.3	96
61	The role of the microbiome in immune cell development. Annals of Allergy, Asthma and Immunology, 2014, 113, 593-598.	0.5	23
62	Mucosal Correlates of Protection in HIVâ€1â€Exposed Seroâ€negative Persons. American Journal of Reproductive Immunology, 2014, 72, 219-227.	1.2	23
63	The chicken gastrointestinal microbiome. FEMS Microbiology Letters, 2014, 360, 100-112.	0.7	521
64	Structural basis for adaptation of lactobacilli to gastrointestinal mucus. Environmental Microbiology, 2014, 16, 888-903.	1.8	102
65	The Gut Commensal Bacteroides thetaiotaomicron Exacerbates Enteric Infection through Modification of the Metabolic Landscape. Cell Host and Microbe, 2014, 16, 759-769.	5.1	255
66	Fut2 genotype is a risk factor for dominant stenosis and biliary candida infections in primary sclerosing cholangitis. Alimentary Pharmacology and Therapeutics, 2014, 39, 873-882.	1.9	25
67	Fundamental Issues Related to the Origin of Melatonin and Melatonin Isomers during Evolution: Relation to Their Biological Functions. International Journal of Molecular Sciences, 2014, 15, 15858-15890.	1.8	153
68	A Critical Role for Human Caspase-4 in Endotoxin Sensitivity. Journal of Immunology, 2014, 193, 335-343.	0.4	95
69	Psychobiotics. Holistic Nursing Practice, 2014, 28, 329-333.	0.3	4
70	Human Gut Dendritic Cells Drive Aberrant Gut-specific T-cell Responses in Ulcerative Colitis, Characterized by Increased IL-4 Production and Loss of IL-22 and IFNÎ³. Inflammatory Bowel Diseases, 2014, 20, 2299-2307.	0.9	58
71	Dysbiotic Events in Gut Microbiota: Impact on Human Health. Nutrients, 2014, 6, 5786-5805.	1.7	169
72	The mucosal microbiome in shaping health and disease. F1000prime Reports, 2014, 6, 11.	5.9	24
73	Irritable bowel syndrome: The evolution of multi-dimensional looking and multidisciplinary treatments. World Journal of Gastroenterology, 2014, 20, 2499.	1.4	37
74	Epigenomic programing: a future way to health?. Microbial Ecology in Health and Disease, 2014, 25, .	3.8	38
75	Microbiome and Colorectal Carcinoma. Cancer Journal (Sudbury, Mass), 2014, 20, 217-224.	1.0	49

#	Article	IF	Citations
76	Evaluation of immune response, microbiota, and blood markers after probiotic bacteria administration in obese mice induced by a high-fat diet. Nutrition, 2014, 30, 1423-1432.	1.1	47
77	Shuttling of information between the mucosal and luminal environment drives intestinal homeostasis. FEBS Letters, 2014, 588, 4148-4157.	1.3	27
78	Clostridium difficile infection and gut microbiota. Seminars in Colon and Rectal Surgery, 2014, 25, 124-127.	0.2	3
80	Probiotics in fish and shellfish culture: immunomodulatory and ecophysiological responses. Fish Physiology and Biochemistry, 2014, 40, 921-71.	0.9	134
81	Microbiota and epigenetic regulation of inflammatory mediators in type 2 diabetes and obesity. Beneficial Microbes, 2014, 5, 33-43.	1.0	107
82	Autoimmune hepatitis on the rise. Journal of Hepatology, 2014, 60, 478-479.	1.8	19
83	Extracting data from the muck: deriving biological insight from complex microbial communities and non-model organisms with next generation sequencing. Current Opinion in Biotechnology, 2014, 28, 103-110.	3.3	31
84	Role of enteric neurotransmission in host defense and protection of the gastrointestinal tract. Autonomic Neuroscience: Basic and Clinical, 2014, 181, 94-106.	1.4	41
85	Anti-Infective Activities of Lactobacillus Strains in the Human Intestinal Microbiota: from Probiotics to Gastrointestinal Anti-Infectious Biotherapeutic Agents. Clinical Microbiology Reviews, 2014, 27, 167-199.	5.7	280
86	Diet Effects in Gut Microbiome and Obesity. Journal of Food Science, 2014, 79, R442-51.	1.5	88
87	Model organism proteomics as a tool for the study of hostâ€“microbiome interactions. Proteomics - Clinical Applications, 2014, 8, 665-676.	0.8	5
88	Respiratory Microbiota Dynamics following Streptococcus pneumoniae Acquisition in Young and Elderly Mice. Infection and Immunity, 2014, 82, 1725-1731.	1.0	26
89	Insights into drug discovery from natural medicines using reverse pharmacokinetics. Trends in Pharmacological Sciences, 2014, 35, 168-177.	4.0	86
90	Beyond genetics. Influence of dietary factors and gut microbiota on type 1 diabetes. FEBS Letters, 2014, 588, 4234-4243.	1.3	66
91	Reprint of: Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. Mechanisms of Ageing and Development, 2014, 136-137, 94-100.	2.2	9
92	AGA's Approach to the Microbiome. Gastroenterology, 2014, 146, 1119-1121.	0.6	4
93	Meta'omic Analytic Techniques for Studying the Intestinal Microbiome. Gastroenterology, 2014, 146, 1437-1448.e1.	0.6	137
94	From promotion to management: The wide impact of bacteria on cancer and its treatment. BioEssays, 2014, 36, 658-664.	1.2	10

#	Article	IF	Citations
95	It's a gut feeling: How the gut microbiota affects the state of mind. Journal of Physiology, 2014, 592, 2981-2988.	1.3	40
96	AGA's Approach to the Microbiome. Clinical Gastroenterology and Hepatology, 2014, 12, 537-539.	2.4	0
97	Lactic Acid Bacteria. , 2014, , .		29
98	Reprint of: Role of enteric neurotransmission in host defense and protection of the gastrointestinal tract. Autonomic Neuroscience: Basic and Clinical, 2014, 182, 70-82.	1.4	9
99	Les probiotiques et leur place en mÃ©decine humaine. Journal Des Anti-infectieux, 2014, 16, 33-43.	0.1	5
100	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 812-819.	0.7	146
101	Structural and molecular insights into novel surfaceâ€exposed mucus adhesins from <scp>L</scp>actobacillus reuteri human strains. Molecular Microbiology, 2014, 92, 543-556.	1.2	29
102	Beyond intestinal soapâ€”bile acids in metabolic control. Nature Reviews Endocrinology, 2014, 10, 488-498.	4.3	354
103	Gut microbiota modulation and implications for host health: Dietary strategies to influence the gutâ€“brain axis. Innovative Food Science and Emerging Technologies, 2014, 22, 239-247.	2.7	50
104	Intestinal microbiota, diet and health. British Journal of Nutrition, 2014, 111, 387-402.	1.2	371
105	Influence of a probiotic lactobacillus strain on the intestinal ecosystem in a stress model mouse. Brain, Behavior, and Immunity, 2014, 35, 77-85.	2.0	38
106	Review article: intestinal barrier dysfunction and central nervous system disorders - a controversial association. Alimentary Pharmacology and Therapeutics, 2014, 40, 1187-1201.	1.9	68
107	Mucosal Immunity and the Microbiome. Annals of the American Thoracic Society, 2014, 11, S28-S32.	1.5	64
108	The future of yogurt: scientific and regulatory needs. American Journal of Clinical Nutrition, 2014, 99, 1271S-1278S.	2.2	14
109	Physical stress and bacterial colonization. FEMS Microbiology Reviews, 2014, 38, 1250-1270.	3.9	80
110	Dietary differences are reflected on the gut prokaryotic community structure of wild and commercially reared sea bream (Sparus aurata). MicrobiologyOpen, 2014, 3, 718-728.	1.2	116
111	Microbiome Diversity and Asthma and Allergy Risk. Current Allergy and Asthma Reports, 2014, 14, 466.	2.4	59
112	Transkingdom Control of Microbiota Diurnal Oscillations Promotes Metabolic Homeostasis. Cell, 2014, 159, 514-529.	13.5	984

#	Article	IF	Citations
113	Native microbiome impedes vertical transmission of Wolbachia in Anopheles mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12498-12503.	3.3	230
114	Milk intake and risk of mortality and fractures in women and men: cohort studies. BMJ, The, 2014, 349, g6015-g6015.	3.0	286
115	Gut Commensalism, Cytokines, and Central Nervous System Demyelination. Journal of Interferon and Cytokine Research, 2014, 34, 605-614.	0.5	17
116	Rethinking the role of immunity: lessons from Hydra. Trends in Immunology, 2014, 35, 495-502.	2.9	83
117	Immune-directed support of rich microbial communities in the gut has ancient roots. Developmental and Comparative Immunology, 2014, 47, 36-51.	1.0	45
118	The cross talk between microbiota and the immune system: metabolites take center stage. Current Opinion in Immunology, 2014, 30, 54-62.	2.4	159
119	The Human Microbiome. Early Life Determinant of Health Outcomes. Annals of the American Thoracic Society, 2014, 11, S7-S12.	1.5	40
120	Effects of Antibiotics on Human Microbiota and Subsequent Disease. Annual Review of Microbiology, 2014, 68, 217-235.	2.9	223
121	Microbial genes, brain & behaviourÂâ€“Âepigenetic regulation of the gutâ€“brain axis. Genes, Brain and Behavior, 2014, 13, 69-86.	1.1	495
122	Starving our Microbial Self: The Deleterious Consequences of a Diet Deficient in Microbiota-Accessible Carbohydrates. Cell Metabolism, 2014, 20, 779-786.	7.2	614
123	Xylan utilization in human gut commensal bacteria is orchestrated by unique modular organization of polysaccharide-degrading enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3708-17.	3.3	137
124	Recent insight in Î±-glucan metabolism in probiotic bacteria. Biologia (Poland), 2014, 69, 713-721.	0.8	19
125	Regulation of the gut microbiota by the mucosal immune system in mice. International Immunology, 2014, 26, 481-487.	1.8	26
126	Worms, bacteria, and micronutrients: an elegant model of our diet. Trends in Genetics, 2014, 30, 496-503.	2.9	72
127	The microbiotaâ€“gutâ€“brain axis in gastrointestinal disorders: stressed bugs, stressed brain or both?. Journal of Physiology, 2014, 592, 2989-2997.	1.3	242
128	Analysis of Double-Stranded RNA from Microbial Communities Identifies Double-Stranded RNA Virus-like Elements. Cell Reports, 2014, 7, 898-906.	2.9	23
129	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.	2.4	18
130	Emerging insights on intestinal dysbiosis during bacterial infections. Current Opinion in Microbiology, 2014, 17, 67-74.	2.3	94

#	Article	IF	Citations
132	Microbiota modulate transcription in the intestinal epithelium without remodeling the accessible chromatin landscape. Genome Research, 2014, 24, 1504-1516.	2.4	119
133	Exercise and associated dietary extremes impact on gut microbial diversity. Gut, 2014, 63, 1913-1920.	6.1	987
134	Gastrointestinal Tract Microbiota and Probiotics in Production Animals. Annual Review of Animal Biosciences, 2014, 2, 469-486.	3.6	158
135	Antibiotic Treatment Suppresses Rotavirus Infection and Enhances Specific Humoral Immunity. Journal of Infectious Diseases, 2014, 210, 171-182.	1.9	182
136	The relationship between bifidobacteria and allergic asthma and/or allergic dermatitis: A prospective study of 0â€“3 years-old children in Turkey. Anaerobe, 2014, 28, 98-103.	1.0	43
137	Staphylococcus warneri, a resident skin commensal of rainbow trout (Oncorhynchus mykiss) with pathobiont characteristics. Veterinary Microbiology, 2014, 169, 80-88.	0.8	28
138	Lymphocyte subsets in human immunodeficiency virus-unexposed Brazilian individuals from birth to adulthood. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 989-998.	0.8	23
140	Mechanisms, Prevention and Management of Diarrhoea in Enteral Nutrition. , 2014, , 285-300.		0
141	Modern methodologies and tools for human hazard assessment of chemicals. EFSA Journal, 2014, 12, 3638.	0.9	62
142	Could a Swimming Creature Inform Us on Intestinal Diseases? Lessons from Zebrafish. Inflammatory Bowel Diseases, 2014, 20, 956-966.	0.9	33
143	The microbiome and childhood diseases: Focus on brainâ€gut axis. Birth Defects Research Part C: Embryo Today Reviews, 2015, 105, 296-313.	3.6	34
144	Systems biology of hostâ€“microbe metabolomics. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2015, 7, 195-219.	6.6	80
145	New lipid science in our inner ecosystem. European Journal of Lipid Science and Technology, 2015, 117, 577-578.	1.0	9
146	Production of butyrate from lysine and the Amadori product fructoselysine by a human gut commensal. Nature Communications, 2015, 6, 10062.	5.8	199
147	Robust bioengineered 3D functional human intestinal epithelium. Scientific Reports, 2015, 5, 13708.	1.6	131
148	Microbial biofilms and the human intestinal microbiome. Npj Biofilms and Microbiomes, 2015, 1, 15005.	2.9	127
149	Anaerobic Cultivation. , 2015, , 2.1.2-1-2.1.2-12.		1
150	Characterising the bacterial microbiota across the gastrointestinal tracts of dairy cattle: membership and potential function. Scientific Reports, 2015, 5, 16116.	1.6	495

#	Article	IF	Citations
151	Linking Smoking, Coffee, Urate, and Parkinsonâ€™s Disease â€“ A Role for Gut Microbiota?. Journal of Parkinson's Disease, 2015, 5, 255-262.	1.5	59
152	Spatial heterogeneity of gut microbiota reveals multiple bacterial communities with distinct characteristics. Scientific Reports, 2014, 4, 6185.	1.6	35
153	The role of breast-feeding in infant immune system: a systems perspective on the intestinal microbiome. Microbiome, 2015, 3, 41.	4.9	81
154	Regulation of plasma lipid profile by lactobacillus fermentum (probiotic strain ME-3 DSM14241) in a randomised controlled trial of clinically healthy adults. BMC Nutrition, 2015, 1, .	0.6	10
155	Dietary Modifications for Refractory Chronic Rhinosinusitis? Manipulating diet for the Modulation of Inflammation. American Journal of Rhinology and Allergy, 2015, 29, e170-e174.	1.0	10
156	Lower antiâ€echovirus antibody responses in children presenting to hospital with asthma exacerbations. Clinical and Experimental Allergy, 2015, 45, 1523-1530.	1.4	6
157	Hydrogen Sulfide Protects from Colitis and Restores Intestinal Microbiota Biofilm and Mucus Production. Inflammatory Bowel Diseases, 2015, 21, 1006-1017.	0.9	150
158	Altered Gut Microbiota Composition in Rag1-deficient Mice Contributes to Modulating Homeostasis of Hematopoietic Stem and Progenitor Cells. Immune Network, 2015, 15, 252.	1.6	21
159	Recent developments in the pathophysiology of irritable bowel syndrome. World Journal of Gastroenterology, 2015, 21, 7621.	1.4	85
160	The Olfactory Receptor OR51E1 Is Present along the Gastrointestinal Tract of Pigs, Co-Localizes with Enteroendocrine Cells and Is Modulated by Intestinal Microbiota. PLoS ONE, 2015, 10, e0129501.	1.1	52
161	Computational Studies of the Intestinal Host-Microbiota Interactome. Computation, 2015, 3, 2-28.	1.0	5
162	Does the Gut Microbiota Contribute to Obesity? Going beyond the Gut Feeling. Microorganisms, 2015, 3, 213-235.	1.6	38
163	Metabolic Interactions in the Gastrointestinal Tract (GIT): Host, Commensal, Probiotics, and Bacteriophage Influences. Microorganisms, 2015, 3, 913-932.	1.6	9
164	Regulation of T Cell Immunity in Atopic Dermatitis by Microbes: The Yin and Yang of Cutaneous Inflammation. Frontiers in Immunology, 2015, 6, 353.	2.2	139
165	Editorial: recent discoveries in evolutionary and genomic microbiology. Frontiers in Microbiology, 2015, 6, 323.	1.5	3
166	Microbiomes: unifying animal and plant systems through the lens of community ecology theory. Frontiers in Microbiology, 2015, 6, 869.	1.5	118
167	Wolbachia and the insect immune system: what reactive oxygen species can tell us about the mechanisms of Wolbachiaâ€“host interactions. Frontiers in Microbiology, 2015, 6, 1201.	1.5	113
168	Longitudinal omics modeling and integration in clinical metabonomics research: challenges in childhood metabolic health research. Frontiers in Molecular Biosciences, 2015, 2, 44.	1.6	18

#	Article	IF	Citations
169	Maternal Antibiotic-Induced Early Changes in Microbial Colonization Selectively Modulate Colonic Permeability and Inducible Heat Shock Proteins, and Digesta Concentrations of Alkaline Phosphatase and TLR-Stimulants in Swine Offspring. PLoS ONE, 2015, 10, e0118092.	1.1	33
170	Human Dendritic Cell DC-SIGN and TLR-2 Mediate Complementary Immune Regulatory Activities in Response to Lactobacillus rhamnosus JB-1. PLoS ONE, 2015, 10, e0120261.	1.1	29
171	Patterns of Gut Bacterial Colonization in Three Primate Species. PLoS ONE, 2015, 10, e0124618.	1.1	50
172	Chronic Trichuris muris Infection Decreases Diversity of the Intestinal Microbiota and Concomitantly Increases the Abundance of Lactobacilli. PLoS ONE, 2015, 10, e0125495.	1.1	190
173	Exercise Is More Effective at Altering Gut Microbial Composition and Producing Stable Changes in Lean Mass in Juvenile versus Adult Male F344 Rats. PLoS ONE, 2015, 10, e0125889.	1.1	150
174	Long-Lasting Effects of Early-Life Antibiotic Treatment and Routine Animal Handling on Gut Microbiota Composition and Immune System in Pigs. PLoS ONE, 2015, 10, e0116523.	1.1	115
175	The Hologenome Concept: Helpful or Hollow?. PLoS Biology, 2015, 13, e1002311.	2.6	346
176	Antepartum Antibiotic Treatment Increases Offspring Susceptibility to Experimental Colitis: A Role of the Gut Microbiota. PLoS ONE, 2015, 10, e0142536.	1.1	137
177	A Spatially Continuous Model of Carbohydrate Digestion and Transport Processes in the Colon. PLoS ONE, 2015, 10, e0145309.	1.1	17
178	Are Human Intestinal Eukaryotes Beneficial or Commensals?. PLoS Pathogens, 2015, 11, e1005039.	2.1	146
179	The Gut Microbiome and Its Potential Role in the Development and Function of Newborn Calf Gastrointestinal Tract. Frontiers in Veterinary Science, 2015, 2, 36.	0.9	178
180	Probiotics and Immunity. , 0, , .		8
181	Application of metagenomics in the human gut microbiome. World Journal of Gastroenterology, 2015, 21, 803.	1.4	292
182	The composition of the gut microbiota throughout life, with an emphasis on early life. Microbial Ecology in Health and Disease, 2015, 26, 26050.	3.8	766
183	Novel players in coeliac disease pathogenesis: role of the gut microbiota. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 497-506.	8.2	200
184	Use of the Microbiome in the Practice of Epidemiology: A Primer on -Omic Technologies. American Journal of Epidemiology, 2015, 182, 1-8.	1.6	19
185	Bacterial genotoxins. , 2015, , 558-602.		2
186	The Gut Microbiota and Liver Disease. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 275-284.	2.3	166

#	Article	IF	Citations
187	Marked seasonal variation in the wild mouse gut microbiota. ISME Journal, 2015, 9, 2423-2434.	4.4	282
188	Mechanisms of Oral Tolerance to Soluble Protein Antigens. , 2015, , 831-848.		2
189	Human intestinal gas measurement systems: in vitro fermentation and gas capsules. Trends in Biotechnology, 2015, 33, 208-213.	4.9	102
190	Site-specific programming of the host epithelial transcriptome by the gut microbiota. Genome Biology, 2015, 16, 62.	3.8	131
191	Lungs, Microbes and the Developing Neonate. Neonatology, 2015, 107, 337-343.	0.9	24
192	Group 3 innate lymphoid cells: regulating hostâ€“commensal bacteria interactions in inflammation and cancer. International Immunology, 2015, 28, dxv056.	1.8	21
193	Gut Microbiota Orchestrates Energy Homeostasis during Cold. Cell, 2015, 163, 1360-1374.	13.5	581
194	SCFA Producing Gut Microbiota and its Effects on the Epigenetic Regulation of Inflammation. Microbiology Monographs, 2015, , 181-197.	0.3	3
195	Which games are growing bacterial populations playing?. Journal of the Royal Society Interface, 2015, 12, 20150121.	1.5	51
196	Gut microbiome composition is associated with temperament during early childhood. Brain, Behavior, and Immunity, 2015, 45, 118-127.	2.0	148
197	The gut microbiota and inflammatory noncommunicable diseases: Associations and potentials for gut microbiota therapies. Journal of Allergy and Clinical Immunology, 2015, 135, 3-13.	1.5	232
198	Rifaximin for the treatment of diarrhoea-predominant irritable bowel syndrome. Expert Opinion on Pharmacotherapy, 2015, 16, 607-615.	0.9	15
199	Prematurity and Perinatal Antibiotics: A Tale of Two Factors Influencing Development of the Neonatal Gut Microbiota. Journal of Pediatrics, 2015, 166, 515-517.	0.9	10
200	Analysis of geneâ€“environment interactions in postnatal development of the mammalian intestine. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1929-1936.	3.3	77
201	The Role of Gut Adaptation in the Potent Effects of Multiple Bariatric Surgeries on Obesity and Diabetes. Cell Metabolism, 2015, 21, 369-378.	7.2	189
202	Metagenomic and Metabolomic Analysis of the Toxic Effects of Trichloroacetamide-Induced Gut Microbiome and Urine Metabolome Perturbations in Mice. Journal of Proteome Research, 2015, 14, 1752-1761.	1.8	70
204	The ruralâ€“urban enigma of allergy: What can we learn from studies around the world?. Pediatric Allergy and Immunology, 2015, 26, 95-102.	1.1	62
205	What Is a Host? Incorporating the Microbiota into the Damage-Response Framework. Infection and Immunity, 2015, 83, 2-7.	1.0	89

#	Article	IF	Citations
206	The involvement of gut microbiota in inflammatory bowel disease pathogenesis: Potential for therapy. , 2015, 149, 191-212.		139
207	Microbial Activities and Intestinal Homeostasis: A Delicate Balance Between Health and Disease. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 28-40.	2.3	137
208	Metabonomics and Gut Microbiota in Nutrition and Disease. Molecular and Integrative Toxicology, 2015, , .	0.5	5
209	Intestinal Microbiota Development in Preterm Neonates and EffectÂofÂPerinatal Antibiotics. Journal of Pediatrics, 2015, 166, 538-544.	0.9	329
210	Enrichment or depletion? The impact of stool pretreatment on metaproteomic characterization of the human gut microbiota. Proteomics, 2015, 15, 3474-3485.	1.3	63
212	Gut microbiota composition correlates with changes in body fat content due to weight loss. Beneficial Microbes, 2015, 6, 431-439.	1.0	128
213	The human microbiome: opportunities and challenges for clinical care. Internal Medicine Journal, 2015, 45, 889-898.	0.5	7
214	Differential effects of probiotics, prebiotics, and synbiotics on gut microbiota and gene expression in rats. Journal of Functional Foods, 2015, 13, 204-213.	1.6	19
215	Host genetic determinants of microbiota-dependent nutrition revealed by genome-wide analysis of Drosophila melanogaster. Nature Communications, 2015, 6, 6312.	5.8	100
216	Obesity and the microbiome. Expert Review of Gastroenterology and Hepatology, 2015, 9, 1087-1099.	1.4	127
217	Studying host-microbiota mutualism in Drosophila: Harnessing the power of gnotobiotic flies. Biomedical Journal, 2015, 38, 285.	1.4	50
218	Diversification of memory B cells drives the continuous adaptation of secretory antibodies to gut microbiota. Nature Immunology, 2015, 16, 880-888.	7.0	192
219	Mucin glycan foraging in the human gut microbiome. Frontiers in Genetics, 2015, 6, 81.	1.1	612
220	Microbiota Metabolite Regulation of Host Immune Homeostasis: A Mechanistic Missing Link. Current Allergy and Asthma Reports, 2015, 15, 24.	2.4	54
221	The Gut Microbiota Regulates Intestinal CD4ÂT Cells Expressing RORÎ³t and Controls Metabolic Disease. Cell Metabolism, 2015, 22, 100-112.	7.2	248
222	Combining metagenomics, metatranscriptomics and viromics to explore novel microbial interactions: towards a systems-level understanding of human microbiome. Computational and Structural Biotechnology Journal, 2015, 13, 390-401.	1.9	182
223	The establishment of the infant intestinal microbiome is not affected by rotavirus vaccination. Scientific Reports, 2015, 4, 7417.	1.6	15
224	Parasite Proximity Drives the Expansion of Regulatory T Cells in Peyer's Patches following Intestinal Helminth Infection. Infection and Immunity, 2015, 83, 3657-3665.	1.0	31

#	Article	IF	Citations
225	Promising candidates for allergy prevention. Journal of Allergy and Clinical Immunology, 2015, 136, 23-28.	1.5	20
226	A Post-Genomic View of the Ecophysiology, Catabolism and Biotechnological Relevance of Sulphate-Reducing Prokaryotes. Advances in Microbial Physiology, 2015, 66, 55-321.	1.0	238
227	Burkholderia gut symbionts enhance the innate immunity of host Riptortus pedestris. Developmental and Comparative Immunology, 2015, 53, 265-269.	1.0	59
228	Potential role of the intestinal microbiota in programming health and disease: Figure 1. Nutrition Reviews, 2015, 73, 32-40.	2.6	198
229	Gnotobiotics. , 2015, , 1263-1296.		3
230	Lentinula edodes-Derived Polysaccharide Alters the Spatial Structure of Gut Microbiota in Mice. PLoS ONE, 2015, 10, e0115037.	1.1	66
231	Role of Microbiota in Regulating Host Lipid Metabolism and Disease Risk. Molecular and Integrative Toxicology, 2015, , 235-260.	0.5	1
232	The relationship between phenolic compounds from diet and microbiota: impact on human health. Food and Function, 2015, 6, 2424-2439.	2.1	180
233	Influence of nutrient-derived metabolites on lymphocyte immunity. Nature Medicine, 2015, 21, 709-718.	15.2	52
234	Generation of primary human intestinal T cell transcriptomes reveals differential expression at genetic risk loci for immune-mediated disease. Gut, 2015, 64, 250-259.	6.1	30
235	Evolving paradigms in the nutritional support of critically ill surgical patients. Current Problems in Surgery, 2015, 52, 147-182.	0.6	35
236	Overuse and Underutilization in Youth Sports: Time to SeekÂEquipoise. Journal of Pediatrics, 2015, 166, 517-519.	0.9	3
237	The role of the gut microbiota in metabolic health. FASEB Journal, 2015, 29, 3111-3123.	0.2	167
238	Gastroenterology Issues in Schizophrenia: Why the Gut Matters. Current Psychiatry Reports, 2015, 17, 27.	2.1	145
239	The neurotoxic effects of ampicillin-associated gut bacterial imbalances compared to those of orally administered propionic acid in the etiology of persistent autistic features in rat pups: effects of various dietary regimens. Gut Pathogens, 2015, 7, 7.	1.6	15
240	Microbiota and Autoimmunity: Exploring New Avenues. Cell Host and Microbe, 2015, 17, 548-552.	5.1	80
241	TLR5 expression in the small intestine depends on the adaptors MyD88 and TRIF, but is independent of the enteric microbiota. Gut Microbes, 2015, 6, 202-206.	4.3	11
242	Chemical communication in the gut: Effects of microbiota-generated metabolites on gastrointestinal bacterial pathogens. Anaerobe, 2015, 34, 106-115.	1.0	101

#	Article	IF	Citations
243	The gut microbiome in autoimmunity: Sex matters. Clinical Immunology, 2015, 159, 154-162.	1.4	114
244	Coeliac disease and asthma association in children: the role of antibiotic consumption. European Respiratory Journal, 2015, 46, 115-122.	3.1	17
245	Gut Fungal Microbiota. Inflammatory Bowel Diseases, 2015, 21, 656-665.	0.9	93
246	Functional Impacts of the Intestinal Microbiome in the Pathogenesis of Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 139-153.	0.9	112
247	Intestinal dendritic cells. Current Opinion in Gastroenterology, 2015, 31, 98-103.	1.0	34
248	The gut microbiome and diet in psychiatry. Current Opinion in Psychiatry, 2015, 28, 1-6.	3.1	301
249	Autoimmune hostâ€“microbiota interactions at barrier sites and beyond. Trends in Molecular Medicine, 2015, 21, 233-244.	3.5	100
250	Microbiota Regulation of the Mammalian Gutâ€“Brain Axis. Advances in Applied Microbiology, 2015, 91, 1-62.	1.3	207
252	The small bowel microbiota. Current Opinion in Gastroenterology, 2015, 31, 130-136.	1.0	23
253	Evaluation of preparation methods for MSâ€based analysis of intestinal epithelial cell proteomes. Proteomics, 2015, 15, 2350-2357.	1.3	3
254	Antibiotics in neonatal life increase murine susceptibility to experimental psoriasis. Nature Communications, 2015, 6, 8424.	5.8	135
255	Postnatal epigenetic regulation of intestinal stem cells requires DNA methylation and is guided by the microbiome. Genome Biology, 2015, 16, 211.	3.8	113
256	The Microbiome and Cancer: Is the â€˜Oncobiomeâ€™ Mirage Real?. Trends in Cancer, 2015, 1, 24-35.	3.8	73
257	MHC variation sculpts individualized microbial communities that control susceptibility to enteric infection. Nature Communications, 2015, 6, 8642.	5.8	132
258	Linking Microbiota to Human Diseases: A Systems Biology Perspective. Trends in Endocrinology and Metabolism, 2015, 26, 758-770.	3.1	134
259	Dysbiotic gut microbiome: A key element of Crohn's disease. Comparative Immunology, Microbiology and Infectious Diseases, 2015, 43, 36-49.	0.7	59
260	Implications of microbiota and bile acid in liver injury and regeneration. Journal of Hepatology, 2015, 63, 1502-1510.	1.8	110
261	Ecology of bacteria in the human gastrointestinal tractâ€”identification of keystone and foundation taxa. Microbiome, 2015, 3, 44.	4.9	118

#	Article	IF	Citations
263	Contribution of Gut Bacteria to Lipid Levels. Circulation Research, 2015, 117, 750-754.	2.0	40
264	Role of the Gut Microbiome in Obesity and Diabetes Mellitus. Nutrition in Clinical Practice, 2015, 30, 787-797.	1.1	187
265	Intestinal Microbiota Modulates Gluten-Induced Immunopathology in Humanized Mice. American Journal of Pathology, 2015, 185, 2969-2982.	1.9	106
266	Antimicrobial use in swine production and its effect on the swine gut microbiota and antimicrobial resistance. Canadian Journal of Microbiology, 2015, 61, 785-798.	0.8	72
267	In vivo imaging and tracking of hostâ€“microbiota interactions via metabolic labeling of gut anaerobic bacteria. Nature Medicine, 2015, 21, 1091-1100.	15.2	178
268	Frenemies: Signaling and Nutritional Integration in Pathogen-Microbiota-Host Interactions. Cell Host and Microbe, 2015, 18, 275-284.	5.1	80
269	Xenobiotics: Interaction with the Intestinal Microflora. ILAR Journal, 2015, 56, 218-227.	1.8	92
270	The use of fecal samples for studying human obesity. European Journal of Epidemiology, 2015, 30, 1067-1069.	2.5	10
271	Seasonal and ontogenetic variation of skin microbial communities and relationships to natural disease dynamics in declining amphibians. Royal Society Open Science, 2015, 2, 140377.	1.1	156
272	EpigeneticsÂand miRNA during bacteria-induced host immune responses. Epigenomics, 2015, 7, 1197-1212.	1.0	18
273	A global perspective on the influence of environmental exposures on the nervous system. Nature, 2015, 527, S187-S192.	13.7	52
274	Pathogen Resistance Mediated by IL-22 Signaling at the Epithelialâ€“Microbiota Interface. Journal of Molecular Biology, 2015, 427, 3676-3682.	2.0	52
275	Microbiota-Dependent Priming of Antiviral Intestinal Immunity in Drosophila. Cell Host and Microbe, 2015, 18, 571-581.	5.1	135
276	Early life microbial colonization of the gut and intestinal development differ between genetically divergent broiler lines. BMC Genomics, 2015, 16, 418.	1.2	107
277	Crosstalk at the mucosal border: importance of the gut microenvironment in IBS. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 36-49.	8.2	147
279	Obesity and Atherosclerosis: Mechanistic Insights. Canadian Journal of Cardiology, 2015, 31, 177-183.	0.8	149
280	Bacteriaâ€“bacteria interactions within the microbiota of the ancestral metazoan Hydra contribute to fungal resistance. ISME Journal, 2015, 9, 1543-1556.	4.4	196
281	Deglycosylation of isoflavone Câ€glycosides by newly isolated human intestinal bacteria. Journal of the Science of Food and Agriculture, 2015, 95, 1925-1931.	1.7	61

#	Article	IF	Citations
282	Gut microbiota are related to Parkinson's disease and clinical phenotype. Movement Disorders, 2015, 30, 350-358.	2.2	1,457
283	The â€œpsychomicrobioticâ€• Targeting microbiota in major psychiatric disorders: A systematic review. Pathologie Et Biologie, 2015, 63, 35-42.	2.2	158
284	Commensal microbiota regulates T cell fate decision in the gut. Seminars in Immunopathology, 2015, 37, 17-25.	2.8	90
285	Biotic interactions and temporal dynamics of the human gastrointestinal microbiota. ISME Journal, 2015, 9, 533-541.	4.4	27
286	Inflammasomes and the microbiotaâ€”partners in the preservation of mucosal homeostasis. Seminars in Immunopathology, 2015, 37, 39-46.	2.8	30
287	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. Behavioural Brain Research, 2015, 277, 32-48.	1.2	1,320
288	The gut microbiota engages different signaling pathways to induce Duox2 expression in the ileum and colon epithelium. Mucosal Immunology, 2015, 8, 372-379.	2.7	85
289	The small intestine microbiota, nutritional modulation and relevance for health. Current Opinion in Biotechnology, 2015, 32, 14-20.	3.3	182
290	Intestinal microbiota transplant â€“ current state of knowledge. Reumatologia, 2016, 1, 24-28.	0.5	11
292	Dietary Keratan Sulfate from Shark Cartilage Modulates Gut Microbiota and Increases the Abundance of Lactobacillus spp.. Marine Drugs, 2016, 14, 224.	2.2	29
293	Interactions Between Enteric Viruses and the Gut Microbiota. , 2016, , 535-544.		1
294	Activation of Natural Killer Cells by Probiotics. Forum on Immunopathological Diseases and Therapeutics, 2016, 7, 41-55.	0.1	32
295	Fecal Microbiota Transplantation: Current Applications, Effectiveness, and Future Perspectives. Clinical Endoscopy, 2016, 49, 257-265.	0.6	209
296	Bacterial Diversity in the Digestive Tracts of Four Indian Air-Breathing Fish Species Investigated by PCR Based Denaturing Gradient Gel Electrophoresis. Brazilian Archives of Biology and Technology, 2016, 59, .	0.5	8
297	Animal Models of Norovirus Infection. , 2016, , 397-422.		6
298	Probiotic: effectiveness nutrition in cancer treatment and prevention. Nutricion Hospitalaria, 2016, 33, 1430-1437.	0.2	20
299	Involvement of Reduced Microbial Diversity in Inflammatory Bowel Disease. Gastroenterology Research and Practice, 2016, 2016, 1-7.	0.7	82
300	The Microbiome in Aging. , 2016, , 185-222.		1

#	Article	IF	Citations
301	Can probiotics benefit children with autism spectrum disorders?. World Journal of Gastroenterology, 2016, 22, 10093.	1.4	113
302	Microbiome and the Effect on Immune Response. , 2016, , 171-194.		0
303	Generation of Germ-Free Ciona intestinalis for Studies of Gut-Microbe Interactions. Frontiers in Microbiology, 2016, 7, 2092.	1.5	23
304	Bifidobacteria and Butyrate-Producing Colon Bacteria: Importance and Strategies for Their Stimulation in the Human Gut. Frontiers in Microbiology, 2016, 7, 979.	1.5	1,109
305	A conserved bacterial protein induces pancreatic beta cell expansion during zebrafish development. ELife, 2016, 5, .	2.8	117
306	Nod2: A Critical Regulator of Ileal Microbiota and Crohnâ€™s Disease. Frontiers in Immunology, 2016, 7, 367.	2.2	89
307	Embracing Complexity beyond Systems Medicine: A New Approach to Chronic Immune Disorders. Frontiers in Immunology, 2016, 7, 587.	2.2	24
308	Using Nematostella vectensis to Study the Interactions between Genome, Epigenome, and Bacteria in a Changing Environment. Frontiers in Marine Science, 2016, 3, .	1.2	21
309	Lower Termite Associations with Microbes: Synergy, Protection, and Interplay. Frontiers in Microbiology, 2016, 7, 422.	1.5	52
310	Transitioning from Microbiome Composition to Microbial Community Interactions: The Potential of the Metaorganism Hydra as an Experimental Model. Frontiers in Microbiology, 2016, 7, 1610.	1.5	49
311	Alteration of Fecal Microbiota Profiles in Juvenile Idiopathic Arthritis. Associations with HLA-B27 Allele and Disease Status. Frontiers in Microbiology, 2016, 7, 1703.	1.5	65
312	Gradual Changes of Gut Microbiota in Weaned Miniature Piglets. Frontiers in Microbiology, 2016, 7, 1727.	1.5	164
313	Correlation of Gut Microbiota Composition with Resistance to Experimental Autoimmune Encephalomyelitis in Rats. Frontiers in Microbiology, 2016, 7, 2005.	1.5	46
314	Gut Microbiota and Lifestyle Interventions in NAFLD. International Journal of Molecular Sciences, 2016, 17, 447.	1.8	75
315	Impact of Prematurity and Perinatal Antibiotics on the Developing Intestinal Microbiota: A Functional Inference Study. International Journal of Molecular Sciences, 2016, 17, 649.	1.8	109
316	Farewell to Animal Testing: Innovations on Human Intestinal Microphysiological Systems. Micromachines, 2016, 7, 107.	1.4	24
317	Therapeutic Potential to Modify the Mucus Barrier in Inflammatory Bowel Disease. Nutrients, 2016, 8, 44.	1.7	65
318	Phenylketonuria and Gut Microbiota: A Controlled Study Based on Next-Generation Sequencing. PLoS ONE, 2016, 11, e0157513.	1.1	52

#	Article	IF	Citations
319	Spatial and Temporal Changes in the Broiler Chicken Cecal and Fecal Microbiomes and Correlations of Bacterial Taxa with Cytokine Gene Expression. Frontiers in Veterinary Science, 2016, 3, 11.	0.9	169
320	The effect of perioperative probiotics treatment for colorectal cancer: short-term outcomes of a randomized controlled trial. Oncotarget, 2016, 7, 8432-8440.	0.8	76
321	Microbial Neuro-Immune Interactions and the Pathophysiology of IBD. , 0, , .		1
322	Metagenome-wide association studies: fine-mining the microbiome. Nature Reviews Microbiology, 2016, 14, 508-522.	13.6	356
323	Perinatal Microbiomesâ€™ Influence on Preterm Birth and Pretermsâ€™ Health. Journal of Pediatric Gastroenterology and Nutrition, 2016, 63, e193-e203.	0.9	32
324	cis -Encoded Small RNAs, a Conserved Mechanism for Repression of Polysaccharide Utilization in Bacteroides. Journal of Bacteriology, 2016, 198, 2410-2418.	1.0	27
325	The Human Microbiome and Public Health: Social and Ethical Considerations. American Journal of Public Health, 2016, 106, 414-420.	1.5	36
326	Beneficial Effects of a Dietary Weight Loss Intervention on Human Gut Microbiome Diversity and Metabolism Are Not Sustained during Weight Maintenance. Obesity Facts, 2016, 9, 379-391.	1.6	48
327	Role of Gut Microbiome in the Modulation of Environmental Toxicants and Therapeutic Agents. , 2016, , 491-518.		2
328	Olfactory epithelium changes in germfree mice. Scientific Reports, 2016, 6, 24687.	1.6	49
329	Reconciling evidence-based medicine and precision medicine in the era of big data: challenges and opportunities. Genome Medicine, 2016, 8, 134.	3.6	175
330	Zero-inflated negative binomial mixed model: an application to two microbial organisms important in oesophagitis. Epidemiology and Infection, 2016, 144, 2447-2455.	1.0	42
331	A novel approach based on KATZ measure to predict associations of human microbiota with non-infectious diseases. Bioinformatics, 2017, 33, 733-739.	1.8	222
332	Symbiont-derived sphingolipids modulate mucosal homeostasis and B cells in teleost fish. Scientific Reports, 2016, 6, 39054.	1.6	40
333	The impact of sequence database choice on metaproteomic results in gut microbiota studies. Microbiome, 2016, 4, 51.	4.9	124
334	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. Cell Systems, 2016, 3, 572-584.e3.	2.9	261
335	Primary sclerosing cholangitis: 50â€…years of a gutâ€“liver relationship and still no love?. Gut, 2016, 65, 1579-1581.	6.1	42
336	Exercise and Prebiotics Produce Stress Resistance. International Review of Neurobiology, 2016, 131, 165-191.	0.9	9

#	Article	IF	Citations
337	Antibiotics as deep modulators of gut microbiota: between good and evil. Gut, 2016, 65, 1906-1915.	6.1	463
338	Predicting disease-microbe association by random walking on the heterogeneous network. , 2016, , .		11
339	Could gut microbiota protect against sclerosing cholangitis?. Hepatology, 2016, 63, 26-27.	3.6	6
340	Gut Microbiotas and Host Evolution: Scaling Up Symbiosis. Trends in Ecology and Evolution, 2016, 31, 539-549.	4.2	308
341	Secretory IgA in the Coordination of Establishment and Maintenance of the Microbiota. Trends in Immunology, 2016, 37, 287-296.	2.9	160
342	Principles of DNA-Based Gut Microbiota Assessment and Therapeutic Efficacy of Fecal Microbiota Transplantation in Gastrointestinal Diseases. Digestive Diseases, 2016, 34, 279-285.	0.8	22
343	Effects of chlorpyrifos on the gut microbiome and urine metabolome in mouse (Mus musculus). Chemosphere, 2016, 153, 287-293.	4.2	96
344	The POU/Oct Transcription Factor Pdm1/nub Is Necessary for a Beneficial Gut Microbiota and Normal Lifespan of <i>Drosophila</i>. Journal of Innate Immunity, 2016, 8, 412-426.	1.8	31
345	Gut Virome and Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2016, 22, 1708-1712.	0.9	39
346	The crosstalk between gut microbiota and obesity and related metabolic disorders. Future Microbiology, 2016, 11, 825-836.	1.0	25
347	Microbiome and Anticancer Immunosurveillance. Cell, 2016, 165, 276-287.	13.5	366
348	Effect of Lactobacillus mali APS1 and L. â€‰ kefiranofaciens M1 on obesity and glucose homeostasis in diet-induced obese mice. Journal of Functional Foods, 2016, 23, 580-589.	1.6	20
349	Depletion of Cultivatable Gut Microbiota by Broad-Spectrum Antibiotic Pretreatment Worsens Outcome After Murine Stroke. Stroke, 2016, 47, 1354-1363.	1.0	168
350	Triggering the adaptive immune system with commensal gut bacteria protects against insulin resistance and dysglycemia. Molecular Metabolism, 2016, 5, 392-403.	3.0	50
351	Inflammasome signaling affects anxiety- and depressive-like behavior and gut microbiome composition. Molecular Psychiatry, 2016, 21, 797-805.	4.1	400
352	The absence of microbiota delays the inflammatory response to Cryptococcus gattii. International Journal of Medical Microbiology, 2016, 306, 187-195.	1.5	28
353	Emerging Concepts on the Gut Microbiome and Multiple Sclerosis. Journal of Interferon and Cytokine Research, 2016, 36, 347-357.	0.5	27
354	Rifaximin for the treatment of irritable bowel syndrome â€“ a drug safety evaluation. Expert Opinion on Drug Safety, 2016, 15, 983-991.	1.0	18

#	Article	IF	Citations
355	Gut Immunity and Type 1 Diabetes: a MÃ©lange of Microbes, Diet, and Host Interactions?. Current Diabetes Reports, 2016, 16, 60.	1.7	13
356	Isolation of Lactobacillus strains from shellfish for their potential use as probiotics. Biotechnology and Bioprocess Engineering, 2016, 21, 46-52.	1.4	8
357	B cells and their role in the teleost gut. Developmental and Comparative Immunology, 2016, 64, 150-166.	1.0	87
358	Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. Nutrition Reviews, 2016, 74, 374-386.	2.6	73
359	Bugging inflammation: role of the gut microbiota. Clinical and Translational Immunology, 2016, 5, e72.	1.7	49
361	Mismatch Repair and Colon Cancer: Mechanisms and Therapies Explored. Trends in Molecular Medicine, 2016, 22, 274-289.	3.5	136
362	Regulation of immune cell function by shortâ€chain fatty acids. Clinical and Translational Immunology, 2016, 5, e73.	1.7	885
363	Polymicrobialâ€“Host Interactions during Infection. Journal of Molecular Biology, 2016, 428, 3355-3371.	2.0	89
364	Antibiotic-Induced Changes in the Intestinal Microbiota and Disease. Trends in Molecular Medicine, 2016, 22, 458-478.	3.5	630
366	Friend, foe or food? Recognition and the role of antimicrobial peptides in gut immunity and Drosophila â€“microbe interactions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150295.	1.8	50
367	Manipulation of the Microbiota Using Probiotics. Advances in Experimental Medicine and Biology, 2016, 902, 109-117.	0.8	14
368	The Role of the Microbiota in Shaping Infectious Immunity. Trends in Immunology, 2016, 37, 647-658.	2.9	81
369	The effects of konjac oligosaccharide on TNBS-induced colitis in rats. International Immunopharmacology, 2016, 40, 385-391.	1.7	45
370	Bacteriophage Applications - Historical Perspective and Future Potential. SpringerBriefs in Biochemistry and Molecular Biology, 2016, , .	0.3	3
371	Early gut colonizers shape parasite susceptibility and microbiota composition in honey bee workers. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9345-9350.	3.3	184
373	Bioengineering the gut: future prospects of regenerative medicine. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 543-556.	8.2	32
374	Metabolites: messengers between the microbiota and the immune system. Genes and Development, 2016, 30, 1589-1597.	2.7	321
375	Review article: the antimicrobial effects of rifaximin on the gut microbiota. Alimentary Pharmacology and Therapeutics, 2016, 43, 3-10.	1.9	60

#	Article	IF	Citations
376	Stress and the Microbiotaâ€“Gutâ€“Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. CNS Neuroscience and Therapeutics, 2016, 22, 102-117.	1.9	262
377	The gut microbiota and metabolic disease: current understanding and future perspectives. Journal of Internal Medicine, 2016, 280, 339-349.	2.7	212
378	<scp>OPINION</scp>: Primary prevention of allergy â€“ Will it soon become a reality?. Pediatric Allergy and Immunology, 2016, 27, 6-12.	1.1	8
379	Japanese traditional dietary fungus koji Aspergillus oryzae functions as a prebiotic for Blautia coccoides through glycosylceramide: Japanese dietary fungus koji is a new prebiotic. SpringerPlus, 2016, 5, 1321.	1.2	41
380	Gnotobiotic mouse modelâ€™s contribution to understanding hostâ€“pathogen interactions. Cellular and Molecular Life Sciences, 2016, 73, 3961-3969.	2.4	11
381	In vitro toxicity assessment of oral nanocarriers. Advanced Drug Delivery Reviews, 2016, 106, 381-401.	6.6	47
382	Role of microbiota function during early life on child's neurodevelopment. Trends in Food Science and Technology, 2016, 57, 273-288.	7.8	23
384	Impact of microâ€environmental changes on respiratory tract infections with intracellular bacteria. FEBS Letters, 2016, 590, 3887-3904.	1.3	27
385	Prevention of Colitis and Colitis-Associated Colorectal Cancer by a Novel Polypharmacological Histone Deacetylase Inhibitor. Clinical Cancer Research, 2016, 22, 4158-4169.	3.2	29
386	An ATP Binding Cassette Transporter Mediates the Uptake of Î±-(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates. Journal of Biological Chemistry, 2016, 291, 20220-20231.	1.6	54
387	Probioticsâ€“ the journey continues. International Journal of Dairy Technology, 2016, 69, 469-480.	1.3	39
388	Cardiorespiratory fitness as a predictor of intestinal microbial diversity and distinct metagenomic functions. Microbiome, 2016, 4, 42.	4.9	301
389	Sulfatases and radical SAM enzymes: emerging themes in glycosaminoglycan metabolism and the human microbiota. Biochemical Society Transactions, 2016, 44, 109-115.	1.6	31
390	A reduction in the butyrate producing species Roseburia spp. and Faecalibacterium prausnitzii is associated with chronic kidney disease progression. Antonie Van Leeuwenhoek, 2016, 109, 1389-1396.	0.7	140
391	Bacterial lipids activate, synergize, and inhibit a developmental switch in choanoflagellates. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7894-7899.	3.3	120
392	Effect of Intestinal Flora on Protein Expression of Drug-Metabolizing Enzymes and Transporters in the Liver and Kidney of Germ-Free and Antibiotics-Treated Mice. Molecular Pharmaceutics, 2016, 13, 2691-2701.	2.3	80
393	Mosquitoes host communities of bacteria that are essential for development but vary greatly between local habitats. Molecular Ecology, 2016, 25, 5806-5826.	2.0	250
394	A reference gene catalogue of the pig gut microbiome. Nature Microbiology, 2016, 1, 16161.	5.9	416

#	Article	IF	Citations
395	Therapeutic modulation of gut microbiota in inflammatory bowel disease: More questions to be answered. Journal of Digestive Diseases, 2016, 17, 800-810.	0.7	33
396	The gutâ€“brain connection: triggering of brain autoimmune disease by commensal gut bacteria. Rheumatology, 2016, 55, ii68-ii75.	0.9	30
397	The gut microbiota: a major player in the toxicity of environmental pollutants?. Npj Biofilms and Microbiomes, 2016, 2, 16003.	2.9	470
398	Intestinal Barrier and Behavior. International Review of Neurobiology, 2016, 131, 127-141.	0.9	22
399	The Gut Microbiota and Atherosclerosis: The State of the Art and Novel Perspectives. Cardiovascular Innovations and Applications, 2016, 1, .	0.1	3
400	Interactions of Pathogenic Escherichia coli with Host Receptors. , 2016, , 323-341.		0
401	Genome and metagenome analyses reveal adaptive evolution of the host and interaction with the gut microbiota in the goose. Scientific Reports, 2016, 6, 32961.	1.6	36
402	Phage Probiotics. SpringerBriefs in Biochemistry and Molecular Biology, 2016, , 39-58.	0.3	0
403	Effects of captivity and artificial breeding on microbiota in feces of the red-crowned crane (Grus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.6	63
404	Gut microbiota can transfer fiber characteristics and lipid metabolic profiles of skeletal muscle from pigs to germ-free mice. Scientific Reports, 2016, 6, 31786.	1.6	86
405	Soy and Gut Microbiota: Interaction and Implication for Human Health. Journal of Agricultural and Food Chemistry, 2016, 64, 8695-8709.	2.4	92
407	Gut Microbiota and Risk of Developing Celiac Disease. Journal of Clinical Gastroenterology, 2016, 50, S148-S152.	1.1	22
408	The use of probiotic L. fermentum ME-3 containing Regâ€™Activ Cholesterol supplement for 4Âweeks has a positive influence on blood lipoprotein profiles and inflammatory cytokines: an open-label preliminary study. Nutrition Journal, 2016, 15, 93.	1.5	36
409	Microbes and Oxytocin. International Review of Neurobiology, 2016, 131, 91-126.	0.9	59
410	Impact of oral consumption of heat-treated Bacteroides xylanisolvens DSM 23964 on the level of natural TFÎ±-specific antibodies in human adults. Beneficial Microbes, 2016, 7, 485-500.	1.0	47
411	Development of SYN-004, an oral beta-lactamase treatment to protect the gut microbiome from antibiotic-mediated damage and prevent Clostridium difficile infection. Anaerobe, 2016, 41, 58-67.	1.0	53
412	Microbial signals to the brain control weight. Nature, 2016, 534, 185-187.	13.7	21
413	Universality of human microbial dynamics. Nature, 2016, 534, 259-262.	13.7	225

#	Article	IF	Citations
414	Active and Secretory IgA-Coated Bacterial Fractions Elucidate Dysbiosis in Clostridium difficile Infection. MSphere, 2016, 1, .	1.3	20
415	Structural modulation of gut microbiota by chondroitin sulfate and its oligosaccharide. International Journal of Biological Macromolecules, 2016, 89, 489-498.	3.6	68
417	Whole genome sequencing of â€œFaecalibaculum rodentiumâ€•ALO17, isolated from C57BL/6J laboratory mouse feces. Gut Pathogens, 2016, 8, 3.	1.6	35
418	Increased use of antimicrobial medication in bulimia nervosa and bingeâ€eating disorder prior to the eating disorder treatment. International Journal of Eating Disorders, 2016, 49, 542-552.	2.1	15
419	Know your neighbor: Microbiota and host epithelial cells interact locally to control intestinal function and physiology. BioEssays, 2016, 38, 455-464.	1.2	63
420	The brainâ€™s Geppettoâ€”microbes as puppeteers of neural function and behaviour?. Journal of NeuroVirology, 2016, 22, 14-21.	1.0	32
421	The role of microbiota in cancer therapy. Current Opinion in Immunology, 2016, 39, 75-81.	2.4	74
422	Compartmentalization of immunosenescence: a deeper look at the mucosa. Biogerontology, 2016, 17, 159-176.	2.0	9
423	Allergies and Asthma: Do Atopic Disorders Result from Inadequate Immune Homeostasis arising from Infant Gut Dysbiosis?. Expert Review of Clinical Immunology, 2016, 12, 379-388.	1.3	39
424	Reparative inflammation takes charge of tissue regeneration. Nature, 2016, 529, 307-315.	13.7	570
425	Bacteria sensing mechanisms in Drosophila gut: Local and systemic consequences. Developmental and Comparative Immunology, 2016, 64, 11-21.	1.0	40
426	The gastrointestinal tract microbiota of the Japanese quail, Coturnix japonica. Applied Microbiology and Biotechnology, 2016, 100, 4201-4209.	1.7	49
427	Contributions of microbiome and mechanical deformation to intestinal bacterial overgrowth and inflammation in a human gut-on-a-chip. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7-15.	3.3	652
429	Possible effects of repeated exposure to ibuprofen and acetaminophen on the intestinal immune response in young infants. Medical Hypotheses, 2016, 87, 90-96.	0.8	15
430	Stress as a Normal Cue in the Symbiotic Environment. Trends in Microbiology, 2016, 24, 414-424.	3.5	36
431	Optimization of metabolomics of defined in vitro gut microbial ecosystems. International Journal of Medical Microbiology, 2016, 306, 280-289.	1.5	28
432	Dysbiosis in intestinal inflammation: Cause or consequence. International Journal of Medical Microbiology, 2016, 306, 302-309.	1.5	121
433	NatÃ¼rliche ImmunitÃt und ihre Bedeutung fÃ¼r das Mikrobiom. , 2016, , 37-47.		0

#	Article	IF	Citations
434	Functional analysis of the relationship between intestinal microbiota and the expression of hepatic genes and pathways during the course of liver regeneration. Journal of Hepatology, 2016, 64, 641-650.	1.8	102
435	Obesity, Asthma, and the Microbiome. Physiology, 2016, 31, 108-116.	1.6	26
436	Probiotics, prebiotics and colorectal cancer prevention. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2016, 30, 119-131.	1.0	177
437	The influence of commensal bacteria on infection with enteric viruses. Nature Reviews Microbiology, 2016, 14, 197-204.	13.6	151
438	Gut Microbiota Linked to Sexual Preference and HIV Infection. EBioMedicine, 2016, 5, 135-146.	2.7	328
439	The Gut Microbiota Modulates Energy Metabolism in the Hibernating Brown Bear Ursus arctos. Cell Reports, 2016, 14, 1655-1661.	2.9	290
440	Gut microbiota and allergic disease in children. Annals of Allergy, Asthma and Immunology, 2016, 116, 99-105.	0.5	47
441	Effects of neutrophils peptide-1 transgenic Chlorella ellipsoidea on the gut microbiota of male Sprague‚Äì‚Dawley rats, as revealed by high-throughput 16S rRNA sequencing. World Journal of Microbiology and Biotechnology, 2016, 32, 43.	1.7	5
442	Obesity and Asthma: Microbiome‚Äì‚Metabolome Interactions. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 609-617.	1.4	73
443	Gut microbiota impact on stroke outcome: Fad or fact?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 891-898.	2.4	58
444	The role of the intestinal microbiota in type 1 diabetes mellitus. Nature Reviews Endocrinology, 2016, 12, 154-167.	4.3	335
445	Antimicrobial Peptides in the Gut. , 2016, , 67-88.		1
446	Beneficial Microbes: The pharmacy in the gut. Bioengineered, 2016, 7, 11-20.	1.4	77
448	Contribution of neutral processes to the assembly of gut microbial communities in the zebrafish over host development. ISME Journal, 2016, 10, 655-664.	4.4	627
449	Synthetic Ecology of Microbes: Mathematical Models and Applications. Journal of Molecular Biology, 2016, 428, 837-861.	2.0	198
450	The Role of the Microbiome in the Relationship of Asthma and Affective Disorders. Advances in Experimental Medicine and Biology, 2016, 874, 263-288.	0.8	8
451	Potential role of gut microbiota and tissue barriers in Parkinson's disease and amyotrophic lateral sclerosis. International Journal of Neuroscience, 2016, 126, 771-776.	0.8	64
452	Proteomic analysis of intestinal tissues from mice fed with Lentinula edodes-derived polysaccharides. Food and Function, 2016, 7, 250-261.	2.1	7

#	Article	IF	Citations
453	MANAGEMENT OF ENDOCRINE DISEASE: Metabolic effects of bariatric surgery. European Journal of Endocrinology, 2016, 174, R19-R28.	1.9	27
454	Introduction: Gastroinstestinal System and Colorectal Cancer. , 2016, , 1-14.		0
455	Frequent Use of Antibiotics Is Associated with Colorectal Cancer Risk: Results of a Nested Caseâ€“Control Study. Digestive Diseases and Sciences, 2016, 61, 255-264.	1.1	96
456	Composition of human faecal microbiota in resistance to Campylobacter infection. Clinical Microbiology and Infection, 2016, 22, 61.e1-61.e8.	2.8	74
457	Heterogeneity of the gut microbiome in mice: guidelines for optimizing experimental design. FEMS Microbiology Reviews, 2016, 40, 117-132.	3.9	303
458	The composition of the zebrafish intestinal microbial community varies across development. ISME Journal, 2016, 10, 644-654.	4.4	524
459	Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects. Food and Function, 2016, 7, 104-109.	2.1	26
460	Antibiotic exposure in the first year of life and later treated asthma, a population based birth cohort study of 143,000 children. European Journal of Epidemiology, 2016, 31, 85-94.	2.5	58
461	An analysis of human microbeâ€“disease associations. Briefings in Bioinformatics, 2017, 18, 85-97.	3.2	173
462	The possible mechanisms of the human microbiome in allergic diseases. European Archives of Oto-Rhino-Laryngology, 2017, 274, 617-626.	0.8	84
463	Gut microbiota, diet, and obesityâ€related disordersâ€”The good, the bad, and the future challenges. Molecular Nutrition and Food Research, 2017, 61, 1600252.	1.5	143
464	Prophylaxis for Stress Ulcers With Proton Pump Inhibitors Is Not Associated With Increased Risk of Bloodstream Infections in the Intensive Care Unit. Clinical Gastroenterology and Hepatology, 2017, 15, 1030-1036.e1.	2.4	9
465	Functional Transcriptomics in Diverse Intestinal Epithelial Cell Types Reveals Robust MicroRNA Sensitivity in Intestinal Stem Cells to Microbial Status. Journal of Biological Chemistry, 2017, 292, 2586-2600.	1.6	105
466	The Place of Stress and Emotions in the Irritable Bowel Syndrome. Vitamins and Hormones, 2017, 103, 327-354.	0.7	57
467	Lactobacillus plantarum favors the early emergence of fit and fertile adult Drosophila upon chronic undernutrition. Journal of Experimental Biology, 2017, 220, 900-907.	0.8	48
468	Helicobacter pylori-Induced Changes in Gastric Acid Secretion and Upper Gastrointestinal Disease. Current Topics in Microbiology and Immunology, 2017, 400, 227-252.	0.7	39
469	Characterization of faecal microbial communities of dairy cows fed diets containing ensiled Moringa oleifera fodder. Scientific Reports, 2017, 7, 41403.	1.6	21
470	AISF position paper on nonalcoholic fatty liver disease (NAFLD): Updates and future directions. Digestive and Liver Disease, 2017, 49, 471-483.	0.4	254

#	Article	IF	Citations
471	Gut microbiota differs between children with Inflammatory Bowel Disease and healthy siblings in taxonomic and functional composition: a metagenomic analysis. American Journal of Physiology - Renal Physiology, 2017, 312, G327-G339.	1.6	69
472	Extraoral bitter taste receptors in health and disease. Journal of General Physiology, 2017, 149, 181-197.	0.9	158
473	The microbiome and systemic lupus erythematosus. Immunologic Research, 2017, 65, 432-437.	1.3	53
474	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. Cell Metabolism, 2017, 25, 522-534.	7.2	108
475	Faecal microbiota transplantation protects against radiationâ€induced toxicity. EMBO Molecular Medicine, 2017, 9, 448-461.	3.3	220
476	Ingestible Sensors. ACS Sensors, 2017, 2, 468-483.	4.0	171
477	Identification of the key excreted molecule by Lactobacillus fermentum related to host iron absorption. Food Chemistry, 2017, 228, 374-380.	4.2	59
478	Effects of several in-feed antibiotic combinations on the abundance and diversity of fecal microbes in weaned pigs. Canadian Journal of Microbiology, 2017, 63, 402-410.	0.8	14
479	The Immune System in IBD: Antimicrobial Peptides. , 2017, , 75-86.		1
480	C. elegans and its bacterial diet as a model for systems-level understanding of hostâ€“microbiota interactions. Current Opinion in Biotechnology, 2017, 46, 74-80.	3.3	82
481	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. Cell Reports, 2017, 18, 1739-1750.	2.9	143
482	The immunology of atherosclerosis. Nature Reviews Nephrology, 2017, 13, 368-380.	4.1	667
483	Salmonella Typhimurium Diarrhea Reveals Basic Principles of Enteropathogen Infection and Disease-Promoted DNA Exchange. Cell Host and Microbe, 2017, 21, 443-454.	5.1	98
484	Tunable Expression Tools Enable Single-Cell Strain Distinction in the Gut Microbiome. Cell, 2017, 169, 538-546.e12.	13.5	172
485	Bacterial Metabolism Affects the C.Âelegans Response to Cancer Chemotherapeutics. Cell, 2017, 169, 431-441.e8.	13.5	215
486	Understanding the Gut Microbiota in Inflammatory and Functional Gastrointestinal Diseases. Psychosomatic Medicine, 2017, 79, 857-867.	1.3	43
487	Intestinal Microbiology and Ecology in Crohnâ€™s Disease and Ulcerative Colitis. , 2017, , 67-74.		1
488	Helicobacter pylori-derived extracellular vesicles increased in the gastric juices of gastric adenocarcinoma patients and induced inflammation mainly via specific targeting of gastric epithelial cells. Experimental and Molecular Medicine, 2017, 49, e330-e330.	3.2	74

#	Article	IF	Citations
489	The Food Contaminant Deoxynivalenol Exacerbates the Genotoxicity of Gut Microbiota. MBio, 2017, 8, .	1.8	60
490	Understanding the gut microbiome of dairy calves: Opportunities to improve early-life gut health. Journal of Dairy Science, 2017, 100, 5996-6005.	1.4	101
491	Intestinal microbiota contributes to colonic epithelial changes in simulated microgravity mouse model. FASEB Journal, 2017, 31, 3695-3709.	0.2	43
492	Total fecal microbiota transplantation alleviates high-fat diet-induced steatohepatitis in mice via beneficial regulation of gut microbiota. Scientific Reports, 2017, 7, 1529.	1.6	269
493	Gut microbiota-mediated protection against diarrheal infections. Journal of Travel Medicine, 2017, 24, S39-S43.	1.4	62
494	MÃ©nage Ã trois in the human gut: interactions between host, bacteria and phages. Nature Reviews Microbiology, 2017, 15, 397-408.	13.6	277
495	Gut Homeostasis, Microbial Dysbiosis, and Opioids. Toxicologic Pathology, 2017, 45, 150-156.	0.9	86
496	Role of gut microbiota in atherosclerosis. Nature Reviews Cardiology, 2017, 14, 79-87.	6.1	428
497	The Physiology and Molecular Underpinnings of the Effects of Bariatric Surgery on Obesity and Diabetes. Annual Review of Physiology, 2017, 79, 313-334.	5.6	91
498	Immunosuppressive Treatment Alters Secretion of Ileal Antimicrobial Peptides and Gut Microbiota, and Favors Subsequent Colonization by Uropathogenic Escherichia coli. Transplantation, 2017, 101, 74-82.	0.5	85
499	Gut Microbiome and Bone: to Build, Destroy, or Both?. Current Osteoporosis Reports, 2017, 15, 376-384.	1.5	69
500	Hostâ€“microbiota interactions in Caenorhabditis elegans and their significance. Current Opinion in Microbiology, 2017, 38, 142-147.	2.3	35
501	The resilience of the intestinal microbiota influences health and disease. Nature Reviews Microbiology, 2017, 15, 630-638.	13.6	696
502	Bacterial Diversity of Intestinal Microbiota in Patients with Substance Use Disorders Revealed by 16S rRNA Gene Deep Sequencing. Scientific Reports, 2017, 7, 3628.	1.6	97
503	An equationâ€free method reveals the ecological interaction networks within complex microbial ecosystems. Methods in Ecology and Evolution, 2017, 8, 1774-1785.	2.2	23
504	Bacteria-mediated hypoxia functions as a signal for mosquito development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5362-E5369.	3.3	130
505	Fecal microbiota variation across the lifespan of the healthy laboratory rat. Gut Microbes, 2017, 8, 428-439.	4.3	93
506	Modulation of the gut microbiota impacts nonalcoholic fatty liver disease: a potential role for bile acids. Journal of Lipid Research, 2017, 58, 1399-1416.	2.0	94

#	Article	IF	Citations
507	Chemokines in the cancer microenvironment and their relevance in cancer immunotherapy. Nature Reviews Immunology, 2017, 17, 559-572.	10.6	1,448
508	Blockade of interleukin-6 receptor in the periphery promotes rapid and sustained antidepressant actions: a possible role of gutâ€“microbiotaâ€“brain axis. Translational Psychiatry, 2017, 7, e1138-e1138.	2.4	129
509	On phagocytes and macular degeneration. Progress in Retinal and Eye Research, 2017, 61, 98-128.	7.3	121
511	The gut microbiota as a key regulator of visceral pain. Pain, 2017, 158, S19-S28.	2.0	63
512	Gut Microbiome Standardization in Control and Experimental Mice. Current Protocols in Immunology, 2017, 117, 23.1.1-23.1.13.	3.6	66
513	Hypoxia Inducible Factor (HIF) Hydroxylases as Regulators of Intestinal Epithelial Barrier Function. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 303-315.	2.3	67
514	Systematic evaluation of immune regulation and modulation. , 2017, 5, 21.		20
515	The microbiota and HIV. Aids, 2017, 31, 863-865.	1.0	1
516	Diet and Gut Microbiota in Health and Disease. Nestle Nutrition Institute Workshop Series, 2017, 88, 117-126.	1.5	51
517	The Human Microbiota in Health and Disease. Engineering, 2017, 3, 71-82.	3.2	583
518	Critical role of environmental factors in the pathogenesis of psoriasis. Journal of Dermatology, 2017, 44, 863-872.	0.6	140
519	The Microbiome and Human Disease: A New Organ of Interest in Biliary Disease. , 2017, , 85-96.		0
520	The Host Microbiome Regulates and Maintains Human Health: A Primer and Perspective for Non-Microbiologists. Cancer Research, 2017, 77, 1783-1812.	0.4	270
521	The Gut Microbiome, Obesity, and Weight Control in Womenâ€™s Reproductive Health. Western Journal of Nursing Research, 2017, 39, 1094-1119.	0.6	12
522	The ecology of human microbiota: dynamics and diversity in health and disease. Annals of the New York Academy of Sciences, 2017, 1399, 78-92.	1.8	88
523	By their own devices: invasive Argentine ants have shifted diet without clear aid from symbiotic microbes. Molecular Ecology, 2017, 26, 1608-1630.	2.0	36
524	Effects of dietary supplementation with freshwater microalgae on growth performance, nutrient digestibility and gut health in weaned piglets. Animal, 2017, 11, 183-192.	1.3	60
525	Irritable bowel syndrome: a gut microbiota-related disorder?. American Journal of Physiology - Renal Physiology, 2017, 312, G52-G62.	1.6	198

#	Article	IF	Citations
526	The amphibian microbiome: natural range of variation, pathogenic dysbiosis, and role in conservation. Biodiversity and Conservation, 2017, 26, 763-786.	1.2	145
527	Understanding the Molecular Mechanisms of the Interplay Between Herbal Medicines and Gut Microbiota. Medicinal Research Reviews, 2017, 37, 1140-1185.	5.0	241
528	Reversible Toxic Effects of the Dietary Supplement Indole-3-Carbinol in an Immune Compromised Rodent Model: Intestine as the Main Target. Journal of Dietary Supplements, 2017, 14, 303-322.	1.4	10
529	The Underlying Ecological Processes of Gut Microbiota Among Cohabitating Retarded, Overgrown and Normal Shrimp. Microbial Ecology, 2017, 73, 988-999.	1.4	102
530	Life in the fat lane: seasonal regulation of insulin sensitivity, food intake, and adipose biology in brown bears. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 649-676.	0.7	68
531	Riptortus pedestris and Burkholderia symbiont: an ideal model system for insectâ€“microbe symbiotic associations. Research in Microbiology, 2017, 168, 175-187.	1.0	86
532	Enteroendocrine Cells: Metabolic Relays between Microbes and Their Host. Endocrine Development, 2017, 32, 139-164.	1.3	30
533	Intestinal barrier and gut microbiota: Shaping our immune responses throughout life. Tissue Barriers, 2017, 5, e1373208.	1.6	501
534	Microbiota-related Changes in Bile Acid & Tryptophan Metabolism are Associated with Gastrointestinal Dysfunction in a Mouse Model of Autism. EBioMedicine, 2017, 24, 166-178.	2.7	261
535	Gypenosides Reduced the Risk of Overweight and Insulin Resistance in C57BL/6J Mice through Modulating Adipose Thermogenesis and Gut Microbiota. Journal of Agricultural and Food Chemistry, 2017, 65, 9237-9246.	2.4	81
536	Spatial organization of a model 15-member human gut microbiota established in gnotobiotic mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9105-E9114.	3.3	198
537	Dysbiosis and Its Discontents. MBio, 2017, 8, .	1.8	216
538	Challenges in simulating the human gut for understanding the role of the microbiota in obesity. Beneficial Microbes, 2017, 8, 31-53.	1.0	19
539	Inulin-type fructan degradation capacity ofClostridiumcluster IV and XIVa butyrate-producing colon bacteria and their associated metabolic outcomes. Beneficial Microbes, 2017, 8, 473-490.	1.0	48
540	Short-chain fatty acids: a link between prebiotics and microbiota in chronic kidney disease. Future Microbiology, 2017, 12, 1413-1425.	1.0	48
541	Lipopolysaccharide from Crypt-Specific Core Microbiota Modulates the Colonic Epithelial Proliferation-to-Differentiation Balance. MBio, 2017, 8, .	1.8	81
542	Wild Mouse Gut Microbiota Promotes Host Fitness and Improves Disease Resistance. Cell, 2017, 171, 1015-1028.e13.	13.5	603
543	A hospital-to-home evaluation of an enhanced recovery protocol for elective pancreaticoduodenectomy in China. Medicine (United States), 2017, 96, e8206.	0.4	7

#	Article	IF	Citations
544	Safety assessment of transgenic canola RF3 with bar and barstar gene on Sprague-Dawley (SD) rats by 90-day feeding test. Regulatory Toxicology and Pharmacology, 2017, 91, 226-234.	1.3	5
546	Caterpillars lack a resident gut microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9641-9646.	3.3	355
547	Interaction between diet composition and gut microbiota and its impact on gastrointestinal tract health. Food Science and Human Wellness, 2017, 6, 121-130.	2.2	116
548	Real-Time Metabolic Interactions between Two Bacterial Species Using a Carbon-Based pH Microsensor as a Scanning Electrochemical Microscopy Probe. Analytical Chemistry, 2017, 89, 11044-11052.	3.2	47
549	Host modification of a bacterial quorum-sensing signal induces a phenotypic switch in bacterial symbionts. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8488-E8497.	3.3	69
550	Modulation of Type 1 Diabetes Risk by the Intestinal Microbiome. Current Diabetes Reports, 2017, 17, 105.	1.7	84
551	LRLSHMDA: Laplacian Regularized Least Squares for Human Microbeâ€“Disease Association prediction. Scientific Reports, 2017, 7, 7601.	1.6	112
552	Role of Gut Microbiome in Neuromodulation. , 2017, , 105-122.		1
553	An Intestine-Derived Neuropeptide Controls Avoidance Behavior in Caenorhabditis elegans. Cell Reports, 2017, 20, 2501-2512.	2.9	69
554	Microbiomarkers in inflammatory bowel diseases: caveats come with caviar. Gut, 2017, 66, 1734-1738.	6.1	47
555	Canine and Feline Microbiomes. , 2017, , 279-325.		3
556	MicroPattern: a web-based tool for microbe set enrichment analysis and disease similarity calculation based on a list of microbes. Scientific Reports, 2017, 7, 40200.	1.6	20
557	Drosophila as a Model for Human Diseasesâ€”Focus on Innate Immunity in Barrier Epithelia. Current Topics in Developmental Biology, 2017, 121, 29-81.	1.0	46
558	Monitoring surfactant mediated defence of gastrointestinal Proteus mirabilis DMTMMK1 against pathogenic consortia of Vibrio cholerae. RSC Advances, 2017, 7, 20969-20980.	1.7	14
559	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.	0.8	90
560	Evolution, human-microbe interactions, and life history plasticity. Lancet, The, 2017, 390, 521-530.	6.3	178
562	Association Between Gut Microbiota and Bone Health: Potential Mechanisms and Prospective. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3635-3646.	1.8	103
563	Commensal Gut Microbiota Immunomodulatory Actions in Bone Marrow and Liver have Catabolic Effects on Skeletal Homeostasis in Health. Scientific Reports, 2017, 7, 5747.	1.6	83

#	Article	IF	Citations
564	Bacteriophages as potential new mammalian pathogens. Scientific Reports, 2017, 7, 7043.	1.6	94
565	Manipulation of Gut Microbiota Reveals Shifting Community Structure Shaped by Host Developmental Windows in Amphibian Larvae. Integrative and Comparative Biology, 2017, 57, 786-794.	0.9	34
566	Antibioticâ€induced dysbiosis of the microbiota impairs gut neuromuscular function in juvenile mice. British Journal of Pharmacology, 2017, 174, 3623-3639.	2.7	82
567	Establishing Causality: Opportunities of Synthetic Communities for Plant Microbiome Research. Cell Host and Microbe, 2017, 22, 142-155.	5.1	404
568	MAHMI database: a comprehensive MetaHit-based resource for the study of the mechanism of action of the human microbiota. Database: the Journal of Biological Databases and Curation, 2017, 2017, baw157.	1.4	29
569	Intestinal Dysbiosis and Biotin Deprivation Induce Alopecia through Overgrowth of Lactobacillus murinus in Mice. Cell Reports, 2017, 20, 1513-1524.	2.9	93
570	Microbial approaches for targeting antibioticâ€resistant bacteria. Microbial Biotechnology, 2017, 10, 1047-1053.	2.0	32
571	Use of Gifu Anaerobic Medium for culturing 32 dominant species of human gut microbes and its evaluation based on short-chain fatty acids fermentation profiles. Bioscience, Biotechnology and Biochemistry, 2017, 81, 2009-2017.	0.6	50
572	Exploring the microbiome in health and disease. Toxicology Research and Application, 2017, 1, 239784731774188.	0.7	36
573	Microbial Insights into Asthmatic Immunopathology. A Forward-Looking Synthesis and Commentary. Annals of the American Thoracic Society, 2017, 14, S316-S325.	1.5	5
574	Gut Microbiome and Antibiotics. Archives of Medical Research, 2017, 48, 727-734.	1.5	138
575	Fundamental properties of cooperative contagion processes. New Journal of Physics, 2017, 19, 103041.	1.2	54
576	Analysis of the gut microbiome and plasma short-chain fatty acid profiles in a spontaneous mouse model of metabolic syndrome. Scientific Reports, 2017, 7, 15876.	1.6	86
577	Probiotics in Gut-Bone Signaling. Advances in Experimental Medicine and Biology, 2017, 1033, 225-247.	0.8	47
578	Immunology of Gut-Bone Signaling. Advances in Experimental Medicine and Biology, 2017, 1033, 59-94.	0.8	19
579	The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. Microbiology and Molecular Biology Reviews, 2017, 81, .	2.9	1,118
580	Dietary changes in nutritional studies shape the structural and functional composition of the pigsâ€™ fecal microbiomeâ€"from days to weeks. Microbiome, 2017, 5, 144.	4.9	66
581	Fatty acid composition and phospholipid types used in infant formulas modifies the establishment of human gut bacteria in germ-free mice. Scientific Reports, 2017, 7, 3975.	1.6	69

#	Article	IF	Citations
582	Illuminating vital surface molecules of symbionts in health and disease. Nature Microbiology, 2017, 2, 17099.	5.9	86
583	Obesity Pathogenesis: An Endocrine Society Scientific Statement. Endocrine Reviews, 2017, 38, 267-296.	8.9	437
584	Biochemical and Structural Analyses of Two Cryptic Esterases in Bacteroides intestinalis and their Synergistic Activities with Cognate Xylanases. Journal of Molecular Biology, 2017, 429, 2509-2527.	2.0	25
585	Selective Imaging of Gram-Negative and Gram-Positive Microbiotas in the Mouse Gut. Biochemistry, 2017, 56, 3889-3893.	1.2	65
586	Molecular ecological network analysis reveals the effects of probiotics and florfenicol on intestinal microbiota homeostasis: An example of sea cucumber. Scientific Reports, 2017, 7, 4778.	1.6	48
587	Yeasts Harbored by Vespine Wasps in the Pacific Northwest. Environmental Entomology, 2017, 46, 217-225.	0.7	17
588	Integrated meta-omic analyses of the gastrointestinal tract microbiome in patients undergoing allogeneic hematopoietic stem cell transplantation. Translational Research, 2017, 186, 79-94.e1.	2.2	27
589	Estrogenâ€“gut microbiome axis: Physiological and clinical implications. Maturitas, 2017, 103, 45-53.	1.0	485
590	Temporal variation of the microbiome is dependent on body region in a wild mammal (Tamiasciurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	13
591	Antibiotics-induced depletion of mice microbiota induces changes in host serotonin biosynthesis and intestinal motility. Journal of Translational Medicine, 2017, 15, 13.	1.8	169
592	Probiotic Lactobacillus acidophilus bacteria or synthetic TLR2 agonist boost the growth of chicken embryo intestinal organoids in cultures comprising epithelial cells and myofibroblasts. Comparative Immunology, Microbiology and Infectious Diseases, 2017, 53, 7-18.	0.7	25
593	Prioritizing disease-causing microbes based on random walking on the heterogeneous network. Methods, 2017, 124, 120-125.	1.9	14
594	Characterisation of the gill mucosal bacterial communities of four butterflyfish species: a reservoir of bacterial diversity in coral reef ecosystems. FEMS Microbiology Ecology, 2017, 93, .	1.3	31
595	Phylogenetic profile of gut microbiota in healthy adults after moderate intake of red wine. Molecular Nutrition and Food Research, 2017, 61, 1600620.	1.5	43
596	Childhood body mass is positively associated with cesarean birth in Y ucatec M aya subsistence farmers. American Journal of Human Biology, 2017, 29, e22920.	0.8	12
597	The bacterial peptidoglycan-sensing molecule Pglyrp2 modulates brain development and behavior. Molecular Psychiatry, 2017, 22, 257-266.	4.1	208
598	Fusobacterium nucleatum Increases Proliferation of Colorectal Cancer Cells and Tumor Development in Mice by Activating Toll-Like Receptor 4 Signaling to Nuclear Factorâ˜ÎºB, and Up-regulating Expression of MicroRNA-21. Gastroenterology, 2017, 152, 851-866.e24.	0.6	711
599	The microbiome-metabolome crosstalk in the pathogenesis of respiratory fungal diseases. Virulence, 2017, 8, 673-684.	1.8	25

#	Article	IF	Citations
600	Probiotics, gut microbiota, and their influence on host health and disease. Molecular Nutrition and Food Research, 2017, 61, 1600240.	1.5	678
601	The microbial epigenome in metabolic syndrome. Molecular Aspects of Medicine, 2017, 54, 71-77.	2.7	26
602	Physiological and molecular responses to bariatric surgery: markers or mechanisms underlying T2DM resolution?. Annals of the New York Academy of Sciences, 2017, 1391, 5-19.	1.8	17
603	Exploring the bacterial gut microbiota of supralittoral talitrid amphipods. Research in Microbiology, 2017, 168, 74-84.	1.0	13
604	Microbiota metabolite short chain fatty acids, GPCR, and inflammatory bowel diseases. Journal of Gastroenterology, 2017, 52, 1-8.	2.3	632
605	Potential mediators linking gut bacteria to metabolic health: a critical view. Journal of Physiology, 2017, 595, 477-487.	1.3	60
606	Life history and ecoâ€evolutionary dynamics in light of the gut microbiota. Oikos, 2017, 126, 508-531.	1.2	139
607	Antimicrobial growth promoter use in livestock: a requirement to understand their modes of action to develop effective alternatives. International Journal of Antimicrobial Agents, 2017, 49, 12-24.	1.1	147
608	Gut instincts: microbiota as a key regulator of brain development, ageing and neurodegeneration. Journal of Physiology, 2017, 595, 489-503.	1.3	520
609	Enteric Microbiome Markers as Early Predictors of Clinical Outcome in Allogeneic Hematopoietic Stem Cell Transplant: Results of a Prospective Study in Adult Patients. Open Forum Infectious Diseases, 2017, 4, ofx215.	0.4	45
610	Fecal bacterial communities of wild-captured and stranded green turtles (Chelonia mydas) on the Great Barrier Reef. FEMS Microbiology Ecology, 2017, 93, .	1.3	44
611	Immune System in Undernourished Host. , 2017, , 77-86.		1
612	Possible role of the gut microbiotaâ€“brain axis in the antidepressant effects of (R)-ketamine in a social defeat stress model. Translational Psychiatry, 2017, 7, 1294.	2.4	173
613	Microbiota Diversification and Crash Induced by Dietary Oxalate in the Mammalian Herbivore Neotoma albigula. MSphere, 2017, 2, .	1.3	22
614	Invited Review : Ruminal microbes, microbial products, and systemic inflammation 1,2 1Presented as a part of the ARPAS Symposium: Understanding Inflammation and Inflammatory Biomarkers to Improve Animal Performance at the ADSAâ€“ASAS Joint Annual Meeting, Salt Lake City, Utah, July 2016. Funding was provided by the ARPAS Foundation. 2Contribution no. 17-366-J from the Kansas Agricultural Experiment Station.. The Professional Animal Scientist, 2017, 33, 635-650.	0.7	25
615	Cotrimoxazole prophylaxis was associated with enteric commensal bacterial resistance among HIVâ€exposed infants in a randomized controlled trial, Botswana. Journal of the International AIDS Society, 2017, 20, e25021.	1.2	20
616	The Mosquito Immune System and Its Interactions With the Microbiota. , 2017, , 101-122.		4
617	Use of Recombinant Mucin Glycoprotein to Assess the Interaction of the Gastric Pathogen Helicobacter pylori with the Secreted Human Mucin MUC5AC. Bioengineering, 2017, 4, 34.	1.6	7

#	Article	IF	Citations
618	INTESTINAL MICROBIOTA IN DIGESTIVE DISEASES. Arquivos De Gastroenterologia, 2017, 54, 255-262.	0.3	51
619	Pharmabiotics as an Emerging Medication for Metabolic Syndrome and Its Related Diseases. Molecules, 2017, 22, 1795.	1.7	21
620	Virus-Bacteria Interactions: An Emerging Topic in Human Infection. Viruses, 2017, 9, 58.	1.5	83
621	Fecal Microbiota and Probiotic Yogurt Intake. , 2017, , 237-258.		3
622	Regulation of life span by the gut microbiota in the short-lived African turquoise killifish. ELife, 2017, 6, .	2.8	317
623	The Research Progress on Intestinal Stem Cells and Its Relationship with Intestinal Microbiota. Frontiers in Immunology, 2017, 8, 599.	2.2	49
624	Detection of Increased Plasma Interleukin-6 Levels and Prevalence of Prevotella copri and Bacteroides vulgatus in the Feces of Type 2 Diabetes Patients. Frontiers in Immunology, 2017, 8, 1107.	2.2	113
625	Protective Microbiota: From Localized to Long-Reaching Co-Immunity. Frontiers in Immunology, 2017, 8, 1678.	2.2	128
626	Intestinal Microbiota and Weight-Gain in Preterm Neonates. Frontiers in Microbiology, 2017, 8, 183.	1.5	35
627	PBHMDA: Path-Based Human Microbe-Disease Association Prediction. Frontiers in Microbiology, 2017, 8, 233.	1.5	97
628	The Soil Bacterium Methylococcus capsulatus Bath Interacts with Human Dendritic Cells to Modulate Immune Function. Frontiers in Microbiology, 2017, 8, 320.	1.5	13
629	Identification of Ellagic Acid Rhamnoside as a Bioactive Component of a Complex Botanical Extract with Anti-biofilm Activity. Frontiers in Microbiology, 2017, 08, 496.	1.5	34
630	Gut Microbiota Modulation and Its Relationship with Obesity Using Prebiotic Fibers and Probiotics: A Review. Frontiers in Microbiology, 2017, 8, 563.	1.5	262
631	The Shift of the Intestinal Microbiome in the Innate Immunity-Deficient Mutant rde-1 Strain of C. elegans upon Orsay Virus Infection. Frontiers in Microbiology, 2017, 8, 933.	1.5	4
632	Burn Injury Leads to Increase in Relative Abundance of Opportunistic Pathogens in the Rat Gastrointestinal Microbiome. Frontiers in Microbiology, 2017, 8, 1237.	1.5	36
633	Probiotic Enterococcus mundtii Isolate Protects the Model Insect Tribolium castaneum against Bacillus thuringiensis. Frontiers in Microbiology, 2017, 8, 1261.	1.5	47
634	Human Gut Microbiota: Toward an Ecology of Disease. Frontiers in Microbiology, 2017, 8, 1265.	1.5	110
635	Probiotic Mixture Golden Bifido Prevents Neonatal Escherichia coli K1 Translocation via Enhancing Intestinal Defense. Frontiers in Microbiology, 2017, 8, 1798.	1.5	35

#	Article	IF	Citations
636	Fecal Microbiota Transplantation, Commensal Escherichia coli and Lactobacillus johnsonii Strains Differentially Restore Intestinal and Systemic Adaptive Immune Cell Populations Following Broad-spectrum Antibiotic Treatment. Frontiers in Microbiology, 2017, 8, 2430.	1.5	45
637	Fecal Short-Chain Fatty Acid Variations by Breastfeeding Status in Infants at 4â€‰Months: Differences in Relative versus Absolute Concentrations. Frontiers in Nutrition, 2017, 4, 11.	1.6	121
638	Early-Life Hostâ€“Microbiome Interphase: The Key Frontier for Immune Development. Frontiers in Pediatrics, 2017, 5, 111.	0.9	64
639	Prenatal Maternal Stress and the Risk of Asthma in Children. Frontiers in Pediatrics, 2017, 5, 202.	0.9	38
640	Gut Microbial Influences on the Mammalian Intestinal Stem Cell Niche. Stem Cells International, 2017, 2017, 1-17.	1.2	51
641	Association Study of Gut Flora in Coronary Heart Disease through High-Throughput Sequencing. BioMed Research International, 2017, 2017, 1-10.	0.9	90
642	A Review of the Oesophageal Microbiome in Health and Disease. Methods in Microbiology, 2017, , 19-35.	0.4	2
643	Antimicrobial Activity of Mushroom (Agaricus Bisporus) and Fungal (Trametes Gibbosa) Extracts from Mushrooms and Fungi of Egerton Main Campus, Njoro Kenya. Journal of Biomedical Sciencies, 2017, 06, .	0.3	14
644	Gut Fermentation of Dietary Fibres: Physico-Chemistry of Plant Cell Walls and Implications for Health. International Journal of Molecular Sciences, 2017, 18, 2203.	1.8	165
645	Current Trends and Future Prospective of Prebiotics as Therapeutic Food. , 2017, , 57-88.		9
646	Variation between the oral and faecal microbiota in a free-living passerine bird, the great tit (Parus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	24
648	Prediction of microbeâ€“disease association from the integration of neighbor and graph with collaborative recommendation model. Journal of Translational Medicine, 2017, 15, 209.	1.8	105
649	Microbiota regulates bone marrow mesenchymal stem cell lineage differentiation and immunomodulation. Stem Cell Research and Therapy, 2017, 8, 213.	2.4	33
650	Impact of intrapartum antimicrobial prophylaxis upon the intestinal microbiota and the prevalence of antibiotic resistance genes in vaginally delivered full-term neonates. Microbiome, 2017, 5, 93.	4.9	165
651	Novel human microbe-disease association prediction using network consistency projection. BMC Bioinformatics, 2017, 18, 543.	1.2	67
652	Eubiotic properties of rifaximin: Disruption of the traditional concepts in gut microbiota modulation. World Journal of Gastroenterology, 2017, 23, 4491.	1.4	118
653	Allergic and Immunologic Disorders. , 2017, , 285-298.		0
654	Immune development in HIV-exposed uninfected children born to HIV-infected women. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2017, 59, e30.	0.5	17

#	Article	IF	Citations
655	Isolation and Characterization of a Shewanella Phageâ€“Host System from the Gut of the Tunicate, Ciona intestinalis. Viruses, 2017, 9, 60.	1.5	18
656	Harnessing the Biology of Stem Cells' Niche. , 2017, , 15-31.		4
657	Pili-like proteins of Akkermansia muciniphila modulate host immune responses and gut barrier function. PLoS ONE, 2017, 12, e0173004.	1.1	340
658	<b>Effect of oral dietary supplement for chicks subjected to thermal oscillation on performance and intestinal morphometry. Acta Scientiarum - Animal Sciences, 2017, 39, 385.	0.3	1
659	Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier. World Journal of Gastroenterology, 2017, 23, 60.	1.4	288
660	Probiotics as a preventive strategy for surgical infection in colorectal cancer patients: a systematic review and meta-analysis of randomized trials. Translational Gastroenterology and Hepatology, 2017, 2, 67-67.	1.5	20
661	A Natural Mouse Model for Neisseria Colonization. Infection and Immunity, 2018, 86, .	1.0	20
662	Probiotics and Prebiotics for the Health of Poultry. , 2018, , 127-154.		5
663	The Gastrointestinal Microbiome: A Review. Journal of Veterinary Internal Medicine, 2018, 32, 9-25.	0.6	433
664	The effect of probiotics and polysaccharides on the gut microbiota composition and function of weaned rats. Food and Function, 2018, 9, 1864-1877.	2.1	25
665	Morphine induces changes in the gut microbiome and metabolome in a morphine dependence model. Scientific Reports, 2018, 8, 3596.	1.6	166
666	Animal hostâ€“microbe interactions. Journal of Animal Ecology, 2018, 87, 315-319.	1.3	15
667	Precision antimicrobial therapeutics: the path of least resistance?. Npj Biofilms and Microbiomes, 2018, 4, 4.	2.9	69
668	The potential of gut microbiota and fecal volatile organic compounds analysis as early diagnostic biomarker for necrotizing enterocolitis and sepsis in preterm infants. Expert Review of Gastroenterology and Hepatology, 2018, 12, 457-470.	1.4	21
669	Probiotics and Prebiotics in Animal Health and Food Safety. , 2018, , .		13
670	Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation. Applied and Environmental Microbiology, 2018, 84, .	1.4	62
671	Gut microbiota in the burying beetle, Nicrophorus vespilloides, provide colonization resistance against larval bacterial pathogens. Ecology and Evolution, 2018, 8, 1646-1654.	0.8	42
672	Dissecting cause and effect in host-microbiome interactions using the combined worm-bug model system. Biogerontology, 2018, 19, 567-578.	2.0	10

#	Article	IF	Citations
673	Effects of gut microbiota manipulation on ex vivo lipolysis in human abdominal subcutaneous adipocytes. Adipocyte, 2018, 7, 1-7.	1.3	0
674	The effect of gut microbiota elimination in Drosophila melanogaster: A howâ€to guide for hostâ€“microbiota studies. Ecology and Evolution, 2018, 8, 4150-4161.	0.8	35
675	In Search of Model Ecological Systems for Understanding Specialized Metabolism. MSystems, 2018, 3, .	1.7	10
676	The use of antimicrobials as adjuvant therapy for the treatment of obesity and insulin resistance: Effects and associated mechanisms. Diabetes/Metabolism Research and Reviews, 2018, 34, e3014.	1.7	4
677	Lactobacillus plantarumMTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice. Journal of Applied Microbiology, 2018, 125, 257-269.	1.4	66
678	Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57<scp>BL</scp>/6J mice. MicrobiologyOpen, 2018, 7, e00612.	1.2	57
679	Transgenerational effects of paternal dietary Astragalus polysaccharides on spleen immunity of broilers. International Journal of Biological Macromolecules, 2018, 115, 90-97.	3.6	20
680	Mesenchymal Stem Cells (MSC) Derived from Induced Pluripotent Stem Cells (iPSC) Equivalent to Adipose-Derived MSC in Promoting Intestinal Healing and Microbiome Normalization in Mouse Inflammatory Bowel Disease Model. Stem Cells Translational Medicine, 2018, 7, 456-467.	1.6	123
681	Gut microbiota and Crohnâ€™s disease. Mediterranean Journal of Nutrition and Metabolism, 2018, 11, 65-72.	0.2	0
682	Interaction of genotype and diet on small intestine microbiota of Japanese quail fed a cholesterol enriched diet. Scientific Reports, 2018, 8, 2381.	1.6	14
684	Advances in Probiotic Regulation of Bone and Mineral Metabolism. Calcified Tissue International, 2018, 102, 480-488.	1.5	61
685	Racing to Stay Put: How Resident Microbiota Stimulate Intestinal Epithelial Cell Proliferation. Current Pathobiology Reports, 2018, 6, 23-28.	1.6	5
686	Cytosolic and Secreted Peptidoglycan-Degrading Enzymes in Drosophila Respectively Control Local and Systemic Immune Responses to Microbiota. Cell Host and Microbe, 2018, 23, 215-228.e4.	5.1	96
687	Ginseng polysaccharides enhanced ginsenoside Rb1 and microbial metabolites exposure through enhancing intestinal absorption and affecting gut microbial metabolism. Journal of Ethnopharmacology, 2018, 216, 47-56.	2.0	70
688	The role of gut microbiota in the pharmacokinetics of antihypertensive drugs. Pharmacological Research, 2018, 130, 164-171.	3.1	45
689	Effect of delaying colostrum feeding on passive transfer and intestinal bacterial colonization in neonatal male Holstein calves. Journal of Dairy Science, 2018, 101, 3099-3109.	1.4	83
690	Effects of parental care on resource allocation into immune defense and buccal microbiota in mouthbrooding cichlid fishes*. Evolution; International Journal of Organic Evolution, 2018, 72, 1109-1123.	1.1	14
691	Microbial community and short-chain fatty acid profile in gastrointestinal tract of goose. Poultry Science, 2018, 97, 1420-1428.	1.5	46

#	Article	IF	Citations
692	Clinical Relevance of Gastrointestinal Microbiota During Pregnancy: A Primer for Nurses. Biological Research for Nursing, 2018, 20, 84-102.	1.0	9
693	Microbiota Signaling Pathways that Influence Neurologic Disease. Neurotherapeutics, 2018, 15, 135-145.	2.1	127
694	Microbiota regulate the development and function of the immune cells. International Reviews of Immunology, 2018, 37, 79-89.	1.5	19
695	Understanding the microbiome: Emerging biomarkers for exploiting the microbiota for personalized medicine against cancer. Seminars in Cancer Biology, 2018, 52, 1-8.	4.3	91
696	Rampant Host Switching Shaped the Termite Gut Microbiome. Current Biology, 2018, 28, 649-654.e2.	1.8	101
697	Reduction in hepatic secondary bile acids caused by short-term antibiotic-induced dysbiosis decreases mouse serum glucose and triglyceride levels. Scientific Reports, 2018, 8, 1253.	1.6	73
698	Microbial regulation of the L cell transcriptome. Scientific Reports, 2018, 8, 1207.	1.6	52
699	Ileal mucosal response to the same probiotic Lactobacillus strains is markedly different between suckling and adult mice. Bioscience, Biotechnology and Biochemistry, 2018, 82, 329-333.	0.6	1
700	Role of probiotics in the management of lung cancer and related diseases: An update. Journal of Functional Foods, 2018, 40, 625-633.	1.6	38
701	Irritable bowel syndrome and endometriosis: New insights for old diseases. Digestive and Liver Disease, 2018, 50, 213-219.	0.4	29
702	Drosophila Perpetuates Nutritional Mutualism by Promoting the Fitness of Its Intestinal Symbiont Lactobacillus plantarum. Cell Metabolism, 2018, 27, 362-377.e8.	7.2	114
703	Ecological plasticity in the gastrointestinal microbiomes of Ethiopian Chlorocebus monkeys. Scientific Reports, 2018, 8, 20.	1.6	37
704	Microbiota and the liver. Liver Transplantation, 2018, 24, 539-550.	1.3	33
705	Lessons from simple marine models on the bacterial regulation of eukaryotic development. Current Opinion in Microbiology, 2018, 43, 108-116.	2.3	33
706	Environmental concentrations of antibiotics impair zebrafish gut health. Environmental Pollution, 2018, 235, 245-254.	3.7	198
707	Hypoxia-induced transcription factor signaling is essential for larval growth of the mosquito Aedes aegypti. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 457-465.	3.3	72
708	Altered gut microbiome promotes proteinuria in mice induced by Adriamycin. AMB Express, 2018, 8, 31.	1.4	20
709	The hologenome concept of evolution after 10Âyears. Microbiome, 2018, 6, 78.	4.9	326

#	Article	IF	Citations
710	Autoimmune phenotypes in schizophrenia reveal novel treatment targets. , 2018, 189, 184-198.		30
711	Exposure to the gut microbiota drives distinct methylome and transcriptome changes in intestinal epithelial cells during postnatal development. Genome Medicine, 2018, 10, 27.	3.6	117
712	â€˜The importance of symbiosis in philosophy of biology: an analysis of the current debate on biological individuality and its historical rootsâ€™. Symbiosis, 2018, 76, 77-96.	1.2	31
713	Dysbiosis of gut microbiota and microbial metabolites in Parkinsonâ€™s Disease. Ageing Research Reviews, 2018, 45, 53-61.	5.0	265
714	New concepts on intestinal microbiota and the role of the non-absorbable antibiotics with special reference to rifaximin in digestive diseases. Digestive and Liver Disease, 2018, 50, 741-749.	0.4	24
715	Gut metabolome meets microbiome: A methodological perspective to understand the relationship between host and microbe. Methods, 2018, 149, 3-12.	1.9	123
716	Is psoriasis a bowel disease? Successful treatment with bile acids and bioflavonoids suggests it is. Clinics in Dermatology, 2018, 36, 376-389.	0.8	27
717	Genetic Engineering of Bee Gut Microbiome Bacteria with a Toolkit for Modular Assembly of Broad-Host-Range Plasmids. ACS Synthetic Biology, 2018, 7, 1279-1290.	1.9	87
718	Lactobacillus paracasei CNCM I-3689 reduces vancomycin-resistant Enterococcus persistence and promotes Bacteroidetes resilience in the gut following antibiotic challenge. Scientific Reports, 2018, 8, 5098.	1.6	37
719	Fecal transplants in spondyloarthritis and uveitis: ready for a clinical trial?. Current Opinion in Rheumatology, 2018, 30, 303-309.	2.0	18
720	Repertoire of Abs primed by bacteria in gnotobiotic mice. Innate Immunity, 2018, 24, 180-187.	1.1	10
721	Elevated Fecal pH Indicates a Profound Change in the Breastfed Infant Gut Microbiome Due to Reduction of Bifidobacterium over the Past Century. MSphere, 2018, 3, .	1.3	106
722	Osteomicrobiology: The influence of gut microbiota on bone in health and disease. Bone, 2018, 115, 59-67.	1.4	57
723	Intestinal microbiota of healthy and unhealthy Atlantic salmon Salmo salar L. in a recirculating aquaculture system. Journal of Oceanology and Limnology, 2018, 36, 414-426.	0.6	59
724	Do checkpoint inhibitors rely on gut microbiota to fight cancer?. Journal of Oncology Pharmacy Practice, 2018, 24, 468-472.	0.5	3
725	Gut Microbiomicsâ€”A Solution to Unloose the Gordian Knot of Biological Effects of Ionizing Radiation. Journal of Heredity, 2018, 109, 212-221.	1.0	16
726	Population-Specific Responses to Interspecific Competition in the Gut Microbiota of Two Atlantic Salmon (Salmo salar) Populations. Microbial Ecology, 2018, 75, 140-151.	1.4	21
727	The Enigmatic Genome of an Obligate Ancient Spiroplasma Symbiont in a Hadal Holothurian. Applied and Environmental Microbiology, 2018, 84, .	1.4	38

#	Article	IF	Citations
728	Proteomic and Metaproteomic Approaches to Understand Hostâ€“Microbe Interactions. Analytical Chemistry, 2018, 90, 86-109.	3.2	44
729	Intake of Milk or Fermented Milk Combined With Fruit and Vegetable Consumption in Relation to Hip Fracture Rates: A Cohort Study of Swedish Women. Journal of Bone and Mineral Research, 2018, 33, 449-457.	3.1	31
730	Functional amyloids: interrelationship with other amyloids and therapeutic assessment to treat neurodegenerative diseases. International Journal of Neuroscience, 2018, 128, 449-463.	0.8	12
731	Synthetic Biology and the Gut Microbiome. Biotechnology Journal, 2018, 13, e1700159.	1.8	35
732	Steroids, stress and the gut microbiomeâ€brain axis. Journal of Neuroendocrinology, 2018, 30, e12548.	1.2	119
733	Application of Microphysiological Systems to Enhance Safety Assessment in Drug Discovery. Annual Review of Pharmacology and Toxicology, 2018, 58, 65-82.	4.2	95
734	Microbiota Diversity Within and Between the Tissues of Two Wild Interbreeding Species. Microbial Ecology, 2018, 75, 799-810.	1.4	11
735	Early microbiota, antibiotics and health. Cellular and Molecular Life Sciences, 2018, 75, 83-91.	2.4	76
736	From Osteoimmunology to Osteomicrobiology: How the Microbiota and the Immune System Regulate Bone. Calcified Tissue International, 2018, 102, 512-521.	1.5	64
737	Back to the future in a petri dish: Origin and impact of resurrected microbes in natural populations. Evolutionary Applications, 2018, 11, 29-41.	1.5	28
738	Bone Remodeling and the Microbiome. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a031203.	2.9	58
739	Prescribing Probiotics. , 2018, , 986-995.e4.		0
740	Gut microbiotaâ€derived endotoxin enhanced the incidence of cardia bifida during cardiogenesis. Journal of Cellular Physiology, 2018, 233, 9271-9283.	2.0	10
741	Human Gut Microbiome: Function Matters. Trends in Microbiology, 2018, 26, 563-574.	3.5	458
742	Comparative analysis of gut bacterial communities of green turtles (Chelonia mydas) pre-hospitalization and post-rehabilitation by high-throughput sequencing of bacterial 16S rRNA gene. Microbiological Research, 2018, 207, 91-99.	2.5	45
743	Active migration is associated with specific and consistent changes to gut microbiota in Calidris shorebirds. Journal of Animal Ecology, 2018, 87, 428-437.	1.3	73
744	Phylogeny and Antagonistic Activities of Culturable Bacteria Associated with the Gut Microbiota of the Sea Urchin (Paracentrotus lividus). Current Microbiology, 2018, 75, 359-367.	1.0	9
745	Inducers of salmon innate immunity: An in vitro and in vivo approach. Fish and Shellfish Immunology, 2018, 72, 247-258.	1.6	12

#	Article	IF	Citations
746	Lipotoxicity and the gut-liver axis in NASH pathogenesis. Journal of Hepatology, 2018, 68, 280-295.	1.8	566
747	Identification of the Colicin V Bacteriocin Gene Cluster by Functional Screening of a Human Microbiome Metagenomic Library. ACS Infectious Diseases, 2018, 4, 27-32.	1.8	23
748	The role of the gut microbiome during host ageing. F1000Research, 2018, 7, 1086.	0.8	28
749	Who Marries Whom in a Surging Housing Market. SSRN Electronic Journal, 2018, , .	0.4	0
750	ROLE OF GUT MICROBIOTA IN LIPID METABOLISM. Asian Journal of Pharmaceutical and Clinical Research, 2018, 11, 4.	0.3	4
751	Metagenomic Approaches for Investigating the Role of the Microbiome in Gut Health and Inflammatory Diseases. , 2018, , .		1
752	Gut-brain Axis: Role of Lipids in the Regulation of Inflammation, Pain and CNS Diseases. Current Medicinal Chemistry, 2018, 25, 3930-3952.	1.2	145
753	Microbial structure and function in infant and juvenile rhesus macaques are primarily affected by age, not vaccination status. Scientific Reports, 2018, 8, 15867.	1.6	6
754	NTSHMDA: Prediction of Human Microbe-Disease Association based on Random Walk by Integrating Network Topological Similarity. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 17, 1-1.	1.9	72
755	Human Microbe-Disease Association Prediction Based on Adaptive Boosting. Frontiers in Microbiology, 2018, 9, 2440.	1.5	68
756	Strategies for the Preservation, Restoration and Modulation of the Human Milk Microbiota. Implications for Human Milk Banks and Neonatal Intensive Care Units. Frontiers in Microbiology, 2018, 9, 2676.	1.5	30
757	Impact of Bacillus spp. spores and gentamicin on the gastrointestinal microbiota of suckling and newly weaned piglets. PLoS ONE, 2018, 13, e0207382.	1.1	33
758	Probiotics in Celiac Disease. Nutrients, 2018, 10, 1824.	1.7	49
759	Low Concentration of Antibiotics Modulates Gut Microbiota at Different Levels in Pre-Weaning Dairy Calves. Microorganisms, 2018, 6, 118.	1.6	16
760	New microbe genomic variants in patients fecal community following surgical disruption of the upper human gastrointestinal tract. Human Microbiome Journal, 2018, 10, 37-42.	3.8	19
761	Effects of urbanization on the foraging ecology and microbiota of the generalist seabird Larus argentatus. PLoS ONE, 2018, 13, e0209200.	1.1	72
762	Microbiota in the Gastrointestinal Tract. Medical Sciences (Basel, Switzerland), 2018, 6, 116.	1.3	112
763	Microbiota control acute arterial inflammation and neointimal hyperplasia development after arterial injury. PLoS ONE, 2018, 13, e0208426.	1.1	14

#	Article	IF	Citations
764	Biological Activities of Lactose-Based Prebiotics and Symbiosis with Probiotics on Controlling Osteoporosis, Blood-Lipid and Glucose Levels. Medicina (Lithuania), 2018, 54, 98.	0.8	29
765	Microbial dysbiosis and mortality during mechanical ventilation: a prospective observational study. Respiratory Research, 2018, 19, 245.	1.4	64
766	Gas chromatography/mass spectrometry based metabolomic study in a murine model of irritable bowel syndrome. World Journal of Gastroenterology, 2018, 24, 894-904.	1.4	38
767	Encapsulation of Polyphenols: An Effective Way To Enhance Their Bioavailability for Gut Health. ACS Symposium Series, 2018, , 239-259.	0.5	7
768	Recent Advancements in Intestinal Microbiota Analyses: A Review for Non-Microbiologists. Current Medical Science, 2018, 38, 949-961.	0.7	8
769	Lactobacillus gasseri LA39 Activates the Oxidative Phosphorylation Pathway in Porcine Intestinal Epithelial Cells. Frontiers in Microbiology, 2018, 9, 3025.	1.5	12
770	The Microbiome and Radiation Induced-Bowel Injury: Evidence for Potential Mechanistic Role in Disease Pathogenesis. Nutrients, 2018, 10, 1405.	1.7	98
771	Fecal microbiota profile in a group of myasthenia gravis patients. Scientific Reports, 2018, 8, 14384.	1.6	45
772	Microbiota and Aging. Advances in Experimental Medicine and Biology, 2018, 1086, 141-156.	0.8	9
773	Bats Are an Untapped System for Understanding Microbiome Evolution in Mammals. MSphere, 2018, 3, .	1.3	29
774	Methanobacterium formicicum as a target rumen methanogen for the development of new methane mitigation interventions: A review. Veterinary and Animal Science, 2018, 6, 86-94.	0.6	33
775	Potential clinical usefulness of gut microbiome testing in a variety of clinical conditions. Human Microbiome Journal, 2018, 10, 6-10.	3.8	3
776	Mind the gut: probiotics in paediatric neurogastroenterology. Beneficial Microbes, 2018, 9, 883-898.	1.0	20
777	Grow With the Challenge â€“ Microbial Effects on Epithelial Proliferation, Carcinogenesis, and Cancer Therapy. Frontiers in Microbiology, 2018, 9, 2020.	1.5	26
778	Colorectal carcinogenesis: an archetype of gut microbiotaâ€“host interaction. Ecancermedicalscience, 2018, 12, 865.	0.6	29
779	Effects of water decontamination methods and bedding material on the gut microbiota. PLoS ONE, 2018, 13, e0198305.	1.1	30
780	Exploring the Links between Nucleotide Signaling and Quorum Sensing Pathways in Regulating Bacterial Virulence. ACS Infectious Diseases, 2018, 4, 1645-1655.	1.8	15
781	Effect of coffee or coffee components on gut microbiome and short-chain fatty acids in a mouse model of metabolic syndrome. Scientific Reports, 2018, 8, 16173.	1.6	57

#	Article	IF	Citations
782	Colon Microbiome of Pigs Fed Diet Contaminated with Commercial Purified Deoxynivalenol and Zearalenone. Toxins, 2018, 10, 347.	1.5	26
783	Peyerâ€™s patch myeloid cells infection by Listeria signals through gp38+ stromal cells and locks intestinal villus invasion. Journal of Experimental Medicine, 2018, 215, 2936-2954.	4.2	33
784	Effects of Probiotic (Bifidobacterium longum 35624) Supplementation on Exercise Performance, Immune Modulation, and Cognitive Outlook in Division I Female Swimmers. Sports, 2018, 6, 116.	0.7	32
785	2038 â€“ When microbes rule the Earth. Environmental Microbiology, 2018, 20, 4213-4220.	1.8	4
786	Altered Gut Microbiota Composition in Subjects Infected With Clonorchis sinensis. Frontiers in Microbiology, 2018, 9, 2292.	1.5	22
787	Microbiome and the immune system: From a healthy steady-state to allergy associated disruption. Human Microbiome Journal, 2018, 10, 11-20.	3.8	51
788	Comparative Analysis of the Gut Microbial Composition and Meat Flavor of Two Chicken Breeds in Different Rearing Patterns. BioMed Research International, 2018, 2018, 1-13.	0.9	24
789	Suboptimal community growth mediated through metabolite crossfeeding promotes species diversity in the gut microbiota. PLoS Computational Biology, 2018, 14, e1006558.	1.5	24
790	The Impact of Intratumoral and Gastrointestinal Microbiota on Systemic Cancer Therapy. Trends in Immunology, 2018, 39, 900-920.	2.9	56
791	Structural Insights into Oxygen-Dependent Signal Transduction within Globin Coupled Sensors. Inorganic Chemistry, 2018, 57, 14386-14395.	1.9	17
792	Integrative analysis of gut microbiota composition, host colonic gene expression and intraluminal metabolites in aging C57BL/6J mice. Aging, 2018, 10, 930-950.	1.4	46
793	Dietary Effects on Microbiotaâ€”New Trends with Gluten-Free or Paleo Diet. Medical Sciences (Basel,) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	26
794	Disentangling Host-Microbiota Regulation of Lipid Secretion by Enterocytes: Insights from Commensals Lactobacillus paracasei and Escherichia coli. MBio, 2018, 9, .	1.8	30
795	Antibodies Set Boundaries Limiting Microbial Metabolite Penetration and the Resultant Mammalian Host Response. Immunity, 2018, 49, 545-559.e5.	6.6	121
796	Metabolic Syndrome During Perinatal Period in Sows and the Link With Gut Microbiota and Metabolites. Frontiers in Microbiology, 2018, 9, 1989.	1.5	71
797	Yeast Probiotics Shape the Gut Microbiome and Improve the Health of Early-Weaned Piglets. Frontiers in Microbiology, 2018, 9, 2011.	1.5	50
798	Fecal microbiota transplantation: a promising strategy in preventing the progression of non-alcoholic steatohepatitis and improving the anti-cancer immune response. Expert Opinion on Biological Therapy, 2018, 18, 1061-1071.	1.4	27
799	Le microbiote intestinal gouverne-t-il notre cerveauÂ?. Annales Medico-Psychologiques, 2018, 176, 824-830.	0.2	0

#	Article	IF	Citations
800	Identifying the Patterns of Pattern Recognition Receptors. Immunity, 2018, 49, 389-391.	6.6	10
801	Aging and Aging-Related Diseases. Advances in Experimental Medicine and Biology, 2018, , .	0.8	15
802	Gutâ€“Liver Axis: How Do Gut Bacteria Influence the Liver?. Medical Sciences (Basel, Switzerland), 2018, 6, 79.	1.3	92
803	Modulation of the gut microbiota to improve innate resistance. Current Opinion in Immunology, 2018, 54, 137-144.	2.4	28
804	Sex differences in lipid metabolism are affected by presence of the gut microbiota. Scientific Reports, 2018, 8, 13426.	1.6	68
805	Effects of alpha-(1,2)-fucosyltransferase genotype variants on plasma metabolome, immune responses and gastrointestinal bacterial enumeration of pigs pre- and post-weaning. PLoS ONE, 2018, 13, e0202970.	1.1	15
806	Comparative Analyses of the Digestive Tract Microbiota of New Guinean Passerine Birds. Frontiers in Microbiology, 2018, 9, 1830.	1.5	47
807	BMCMDA: a novel model for predicting human microbe-disease associations via binary matrix completion. BMC Bioinformatics, 2018, 19, 281.	1.2	26
808	Unravelling methanogenesis in ruminants, horses and kangaroos: the links between gut anatomy, microbial biofilms and host immunity. Animal Production Science, 2018, 58, 1175.	0.6	22
809	The interplay between microbes and the immune response in inflammatory bowel disease. Journal of Physiology, 2018, 596, 3869-3882.	1.3	49
810	Alopecia areata and the gutâ€”the link opens up for novel therapeutic interventions. Expert Opinion on Therapeutic Targets, 2018, 22, 503-511.	1.5	43
811	Re-thinking the chickenâ€“Campylobacter jejuni interaction: a review. Avian Pathology, 2018, 47, 352-363.	0.8	75
812	Novel human microbe-disease associations inference based on network consistency projection. Scientific Reports, 2018, 8, 8034.	1.6	16
813	Interplay among gut microbiota, intestinal mucosal barrier and enteric neuro-immune system: a common path to neurodegenerative diseases?. Acta Neuropathologica, 2018, 136, 345-361.	3.9	167
814	An intact microbiota is required for the gastrointestinal toxicity of the immunosuppressant mycophenolate mofetil. Journal of Heart and Lung Transplantation, 2018, 37, 1047-1059.	0.3	59
815	Risk factors for esophageal cancer: emphasis on infectious agents. Annals of the New York Academy of Sciences, 2018, 1434, 319-332.	1.8	25
816	Gut Microbiota Composition in Mid-Pregnancy Is Associated with Gestational Weight Gain but Not Prepregnancy Body Mass Index. Journal of Women's Health, 2018, 27, 1293-1301.	1.5	22
817	High turnover of faecal microbiome from algal feedstock experimental manipulations in the Pacific oyster (Crassostrea gigas). Microbial Biotechnology, 2018, 11, 848-858.	2.0	22

#	Article	IF	Citations
818	Pathomimetic modeling of human intestinal diseases and underlying host-gut microbiome interactions in a gut-on-a-chip. Methods in Cell Biology, 2018, 146, 135-148.	0.5	22
819	Gut Dysbiosis and Muscle Aging: Searching for Novel Targets against Sarcopenia. Mediators of Inflammation, 2018, 2018, 1-15.	1.4	104
820	Improving the standards for gut microbiome analysis of fecal samples: insights from the field biology of Japanese macaques on Yakushima Island. Primates, 2018, 59, 423-436.	0.7	18
821	Critical Role for the Microbiota in CX3CR1+ Intestinal Mononuclear Phagocyte Regulation of Intestinal TÂCell Responses. Immunity, 2018, 49, 151-163.e5.	6.6	148
822	PRWHMDA: Human Microbe-Disease Association Prediction by Random Walk on the Heterogeneous Network with PSO. International Journal of Biological Sciences, 2018, 14, 849-857.	2.6	36
823	Enteric Microbiotaâ€“Gutâ€“Brain Axis from the Perspective of Nuclear Receptors. International Journal of Molecular Sciences, 2018, 19, 2210.	1.8	21
824	Relationship between intestinal microbiota and ulcerative colitis: Mechanisms and clinical application of probiotics and fecal microbiota transplantation. World Journal of Gastroenterology, 2018, 24, 5-14.	1.4	389
825	Dual functional roles of the MyD88 signaling in colorectal cancer development. Biomedicine and Pharmacotherapy, 2018, 107, 177-184.	2.5	37
827	An orally administered oral pathobiont and commensal have comparable and innocuous systemic effects in germâ€free mice. Journal of Periodontal Research, 2018, 53, 950-960.	1.4	10
828	Where in the serotonergic system does it go wrong? Unravelling the route by which the serotonergic system affects feather pecking in chickens. Neuroscience and Biobehavioral Reviews, 2018, 95, 170-188.	2.9	57
829	Hordes of Phages in the Gut of the Tilapia Sarotherodon melanotheron. Scientific Reports, 2018, 8, 11311.	1.6	8
830	A Polysaccharide Isolated from Dictyophora indusiata Promotes Recovery from Antibiotic-Driven Intestinal Dysbiosis and Improves Gut Epithelial Barrier Function in a Mouse Model. Nutrients, 2018, 10, 1003.	1.7	77
831	The importance of being persistent: The first true resident gut symbiont in Drosophila. PLoS Biology, 2018, 16, e2006945.	2.6	22
832	Mycotoxin: Its Impact on Gut Health and Microbiota. Frontiers in Cellular and Infection Microbiology, 2018, 8, 60.	1.8	271
833	Heterogeneity of Microbiota Dysbiosis in Chronic Rhinosinusitis: Potential Clinical Implications and Microbial Community Mechanisms Contributing to Sinonasal Inflammation. Frontiers in Cellular and Infection Microbiology, 2018, 8, 168.	1.8	18
834	Short-term Oral Antibiotics Treatment Promotes Inflammatory Activation of Colonic Invariant Natural Killer T and Conventional CD4+ T Cells. Frontiers in Medicine, 2018, 5, 21.	1.2	34
835	Carrying Capacity and Colonization Dynamics of Curvibacter in the Hydra Host Habitat. Frontiers in Microbiology, 2018, 9, 443.	1.5	39
836	Comparing Microbiome Sampling Methods in a Wild Mammal: Fecal and Intestinal Samples Record Different Signals of Host Ecology, Evolution. Frontiers in Microbiology, 2018, 9, 803.	1.5	395

#	Article	IF	Citations
837	Lactobacillus frumenti Facilitates Intestinal Epithelial Barrier Function Maintenance in Early-Weaned Piglets. Frontiers in Microbiology, 2018, 9, 897.	1.5	60
838	Standardized Preparation for Fecal Microbiota Transplantation in Pigs. Frontiers in Microbiology, 2018, 9, 1328.	1.5	42
839	Cholecystectomy Damages Aging-Associated Intestinal Microbiota Construction. Frontiers in Microbiology, 2018, 9, 1402.	1.5	47
840	Reciprocal Interactions Between Gut Microbiota and Host Social Behavior. Frontiers in Integrative Neuroscience, 2018, 12, 21.	1.0	59
841	Hydratase, Dehydrogenase, Isomerase, and Enone Reductase Involved in Fatty Acid Saturation Metabolism. , 2018, , 119-137.		1
842	Probiotic Bifidobacterium strains and galactooligosaccharides improve intestinal barrier function in obese adults but show no synergism when used together as synbiotics. Microbiome, 2018, 6, 121.	4.9	202
843	A Review of Traumatic Brain Injury and the Gut Microbiome: Insights into Novel Mechanisms of Secondary Brain Injury and Promising Targets for Neuroprotection. Brain Sciences, 2018, 8, 113.	1.1	77
844	Microbial Regulation of Glucose Metabolism and Insulin Resistance. Genes, 2018, 9, 10.	1.0	38
845	Gut Microbiota and Type 1 Diabetes. International Journal of Molecular Sciences, 2018, 19, 995.	1.8	148
846	The Expensive-Tissue Hypothesis in Vertebrates: Gut Microbiota Effect, a Review. International Journal of Molecular Sciences, 2018, 19, 1792.	1.8	19
847	Dietary Polysaccharide from Enteromorpha Clathrata Modulates Gut Microbiota and Promotes the Growth of Akkermansia muciniphila, Bifidobacterium spp. and Lactobacillus spp.. Marine Drugs, 2018, 16, 167.	2.2	59
848	Bacteriophages as New Human Viral Pathogens. Microorganisms, 2018, 6, 54.	1.6	61
849	Fumonisin-Exposure Impairs Age-Related Ecological Succession of Bacterial Species in Weaned Pig Gut Microbiota. Toxins, 2018, 10, 230.	1.5	32
850	Intestinal Microbiota Ecological Response to Oral Administrations of Hydrogen-Rich Water and Lactulose in Female Piglets Fed a Fusarium Toxin-Contaminated Diet. Toxins, 2018, 10, 246.	1.5	28
851	Effects of the Gut Microbiota on Autism Spectrum Disorder. , 2018, , 347-368.		0
852	Is the Impact of Starvation on the Gut Microbiota Specific or Unspecific to Anorexia Nervosa? A Narrative Review Based on a Systematic Literature Search. Current Neuropharmacology, 2018, 16, 1131-1149.	1.4	55
853	Chemotaxis of Escherichia coli to major hormones and polyamines present in human gut. ISME Journal, 2018, 12, 2736-2747.	4.4	62
855	The Gut Microbiota and Healthy Aging: A Mini-Review. Gerontology, 2018, 64, 513-520.	1.4	270

#	Article	IF	Citations
856	Experimentally induced metamorphosis in highly regenerative axolotl (ambystoma mexicanum) under constant diet restructures microbiota. Scientific Reports, 2018, 8, 10974.	1.6	31
857	Microbial markers in colorectal cancer detection and/or prognosis. World Journal of Gastroenterology, 2018, 24, 2327-2347.	1.4	84
858	Ileum terminal antibiotic infusion affects jejunal and colonic specific microbial population and immune status in growing pigs. Journal of Animal Science and Biotechnology, 2018, 9, 51.	2.1	24
859	Possible correlation between gut microbiota and immunity among healthy middle-aged and elderly people in southwest China. Gut Pathogens, 2018, 10, 4.	1.6	49
860	Involvement of gut microbiome in human health and disease: brief overview, knowledge gaps and research opportunities. Gut Pathogens, 2018, 10, 3.	1.6	153
861	Multilevel social structure and diet shape the gut microbiota of the gelada monkey, the only grazing primate. Microbiome, 2018, 6, 84.	4.9	56
862	Intestinal Dysbiosis in Autoimmune Diabetes Is Correlated With Poor Glycemic Control and Increased Interleukin-6: A Pilot Study. Frontiers in Immunology, 2018, 9, 1689.	2.2	51
863	High-Throughput Analysis Reveals Seasonal Variation of the Gut Microbiota Composition Within Forest Musk Deer (Moschus berezovskii). Frontiers in Microbiology, 2018, 9, 1674.	1.5	50
864	Prediction of Microbeâ€“Disease Associations by Graph Regularized Non-Negative Matrix Factorization. Journal of Computational Biology, 2018, 25, 1385-1394.	0.8	16
865	Chitin-based barrier immunity and its loss predated mucus-colonization by indigenous gut microbiota. Nature Communications, 2018, 9, 3402.	5.8	65
866	Cultivable butyrate-producing bacteria of elderly Japanese diagnosed with Alzheimerâ€™s disease. Journal of Microbiology, 2018, 56, 760-771.	1.3	24
867	Cecal microbiome profile altered by Salmonella enterica, serovar Enteritidis inoculation in chicken. Gut Pathogens, 2018, 10, 34.	1.6	56
868	The Potential Role of the Dipeptidyl Peptidase-4-Like Activity From the Gut Microbiota on the Host Health. Frontiers in Microbiology, 2018, 9, 1900.	1.5	47
869	The Human Microbiota. Nutrition Today, 2018, 53, 125-131.	0.6	1
870	Effects of Symbiodinium Colonization on Growth and Cell Proliferation in the Giant Clam Hippopus hippopus. Biological Bulletin, 2018, 234, 130-138.	0.7	4
871	A Metabolite-Triggered Tuft Cell-ILC2 Circuit Drives Small Intestinal Remodeling. Cell, 2018, 174, 271-284.e14.	13.5	320
872	Efficacy of Probiotics in Prevention and Treatment of Infectious Diseases. Clinical Microbiology Newsletter, 2018, 40, 97-103.	0.4	10
873	S-Adenosylmethionine Metabolism and Aging. , 2018, , 59-93.		3

#	Article	IF	Citations
874	Microbiome and butyrate production are altered in the gut of rats fed a glycated fish protein diet. Journal of Functional Foods, 2018, 47, 423-433.	1.6	56
875	Prebiotics and Probiotics in Altering Microbiota. , 2018, , 403-413.		3
876	Changes in microbiota along the intestine of grass carp (Ctenopharyngodon idella): Community, interspecific interactions, and functions. Aquaculture, 2019, 498, 151-161.	1.7	52
877	Gut Microbiota Composition Is Related to Cardiorespiratory Fitness in Healthy Young Adults. International Journal of Sport Nutrition and Exercise Metabolism, 2019, 29, 249-253.	1.0	88
878	Outside the liver box: The gut microbiota as pivotal modulator of liver diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 912-919.	1.8	22
879	Sea buckthorn seed oil reduces blood cholesterol and modulates gut microbiota. Food and Function, 2019, 10, 5669-5681.	2.1	43
880	Environmental filtering increases with elevation for the assembly of gut microbiota in wild pikas. Microbial Biotechnology, 2019, 12, 976-992.	2.0	55
881	Microbiota of newborn calves and their mothers reveals possible transfer routes for newborn calvesâ€™ gastrointestinal microbiota. PLoS ONE, 2019, 14, e0220554.	1.1	61
882	The role of gut microbiota for the activity of medicinal plants traditionally used in the European Union for gastrointestinal disorders. Journal of Ethnopharmacology, 2019, 245, 112153.	2.0	60
883	The Role of Gut Microbiota in Intestinal Inflammation with Respect to Diet and Extrinsic Stressors. Microorganisms, 2019, 7, 271.	1.6	186
884	Commensal Neisseria Kill Neisseria gonorrhoeae through a DNA-Dependent Mechanism. Cell Host and Microbe, 2019, 26, 228-239.e8.	5.1	52
885	Altered diversity and composition of the gut microbiome in patients with cervical cancer. AMB Express, 2019, 9, 40.	1.4	55
886	Population Genetic Divergence and Environment Influence the Gut Microbiome in Oregon Threespine Stickleback. Genes, 2019, 10, 484.	1.0	27
887	Novel production of natural bacteriocin via internalization of dextran nanoparticles into probiotics. Biomaterials, 2019, 218, 119360.	5.7	23
888	31Â° South: The physiology of adaptation to arid conditions in a passerine bird. Molecular Ecology, 2019, 28, 3709-3721.	2.0	11
889	Encapsulation of Lactobacillus plantarum in cellulose based microgel with controlled release behavior and increased long-term storage stability. Carbohydrate Polymers, 2019, 223, 115065.	5.1	54
890	Discovery of potential genes contributing to the biosynthesis of short-chain fatty acids and lactate in gut microbiota from systematic investigation in E. coli. Npj Biofilms and Microbiomes, 2019, 5, 19.	2.9	39
891	The effects of desynchronosis on the gut microbiota composition and physiological parameters of rats. BMC Microbiology, 2019, 19, 160.	1.3	15

#	Article	IF	Citations
892	Dysbiosis of intestinal microbiota induced by dietary oxidized fish oil and recovery of diet-induced dysbiosis via taurine supplementation in rice field eel (Monopterus albus). Aquaculture, 2019, 512, 734288.	1.7	40
893	Altered mucosa-associated microbiota in the ileum and colon of neonatal calves in response to delayed first colostrum feeding. Journal of Dairy Science, 2019, 102, 7073-7086.	1.4	31
894	Current and emerging avenues for Alzheimer's disease drug targets. Journal of Internal Medicine, 2019, 286, 398-437.	2.7	102
895	Community analysis of gut microbiota in hornets, the largest eusocial wasps, Vespa mandarinia and V. simillima. Scientific Reports, 2019, 9, 9830.	1.6	37
896	Characterization of the gastrointestinal bacterial microbiome of farmed juvenile and adult white Cachama (Piaractus brachypomus). Aquaculture, 2019, 512, 734325.	1.7	19
897	Gut Microbiomes and Their Impact on Human Health. , 2019, , 355-385.		0
898	Dose Effects of Orally Administered Spirulina Suspension on Colonic Microbiota in Healthy Mice. Frontiers in Cellular and Infection Microbiology, 2019, 9, 243.	1.8	30
899	Parkinsonâ€™s Disease: The Emerging Role of Gut Dysbiosis, Antibiotics, Probiotics, and Fecal Microbiota Transplantation. Journal of Neurogastroenterology and Motility, 2019, 25, 363-376.	0.8	105
900	Study Insights into Gastrointestinal Cancer through the Gut Microbiota. BioMed Research International, 2019, 2019, 1-8.	0.9	24
901	A retrospective outcome study of 42 patients with Chronic Fatigue Syndrome, 30 of whom had Irritable Bowel Syndrome. Half were treated with oral approaches, and half were treated with Faecal Microbiome Transplantation. Human Microbiome Journal, 2019, 13, 100061.	3.8	11
902	From correlation to causation: The missing point in the study of functional foods and gut microbiota. Journal of Functional Foods, 2019, 61, 103466.	1.6	6
903	Feeding Pasteurized Waste Milk to Preweaned Dairy Calves Changes Fecal and Upper Respiratory Tract Microbiota. Frontiers in Veterinary Science, 2019, 6, 159.	0.9	23
904	Predicting the Longitudinally and Radially Varying Gut Microbiota Composition Using Multi-Scale Microbial Metabolic Modeling. Processes, 2019, 7, 394.	1.3	18
905	Personalized Nutrition by Predicting Glycemic Responses. , 2019, , 55-79.		2
906	Enrichment of intestinal Lactobacillus by enhanced secretory IgA coating alters glucose homeostasis in P2rx7â^'/â^' mice. Scientific Reports, 2019, 9, 9315.	1.6	18
907	The Human Microbiota and Its Relationship with Allergies. Gastroenterology Clinics of North America, 2019, 48, 377-387.	1.0	14
908	RWHMDA: Random Walk on Hypergraph for Microbe-Disease Association Prediction. Frontiers in Microbiology, 2019, 10, 1578.	1.5	21
909	The Contribution of Inflammation to Autism Spectrum Disorders: Recent Clinical Evidence. Methods in Molecular Biology, 2019, 2011, 493-510.	0.4	24

#	Article	IF	Citations
910	Antibiotic Treatment Protocols and Germ-Free Mouse Models in Vascular Research. Frontiers in Immunology, 2019, 10, 2174.	2.2	25
911	Pathogenetic Impact of Bacterialâ€“Fungal Interactions. Microorganisms, 2019, 7, 459.	1.6	31
912	Hematopoietic Npc1 mutation shifts gut microbiota composition in Ldlrâ^'/â^' mice on a high-fat, high-cholesterol diet. Scientific Reports, 2019, 9, 14956.	1.6	3
913	Dose-Dependent Effects of Triclocarban Exposure on Lipid Homeostasis in Rats. Chemical Research in Toxicology, 2019, 32, 2320-2328.	1.7	19
914	Diel patterning in the bacterial community associated with the sea anemone Nematostella vectensis. Ecology and Evolution, 2019, 9, 9935-9947.	0.8	16
915	C-type lectin receptor-mediated immune recognition and response of the microbiota in the gut. Gastroenterology Report, 2019, 7, 312-321.	0.6	31
916	Age-related compositional and functional changes in micro-pig gut microbiome. GeroScience, 2019, 41, 935-944.	2.1	30
917	Mechanisms of gastrointestinal microflora on drug metabolism in clinical practice. Saudi Pharmaceutical Journal, 2019, 27, 1146-1156.	1.2	39
918	Gut microbiota mediated allostasis prevents stress-induced neuroinflammatory risk factors of Alzheimer's disease. Progress in Molecular Biology and Translational Science, 2019, 168, 147-181.	0.9	21
919	The Skin and Gut Microbiome and Its Role in Common Dermatologic Conditions. Microorganisms, 2019, 7, 550.	1.6	99
920	Gut microbiota and their putative metabolic functions in fragmented Bengal tiger population of Nepal. PLoS ONE, 2019, 14, e0221868.	1.1	13
921	Mechanisms of Weight Loss After Sleeve Gastrectomy and Adjustable Gastric Banding: Far More Than Just Restriction. Obesity, 2019, 27, 1776-1783.	1.5	18
922	Gut microbiota-derived succinate: Friend or foe in human metabolic diseases?. Reviews in Endocrine and Metabolic Disorders, 2019, 20, 439-447.	2.6	162
923	Decrypting the communication between microbes and the intestinal mucosaâ€”A brief review on PathogÃ©nie Microbienne MolÃ©culaire's latest research. Cellular Microbiology, 2019, 21, e13118.	1.1	5
924	Oralâ€“Gut Microbiota and Arthritis: Is There an Evidence-Based Axis?. Journal of Clinical Medicine, 2019, 8, 1753.	1.0	51
925	From the Table to the Tumor: The Role of Mediterranean and Western Dietary Patterns in Shifting Microbial-Mediated Signaling to Impact Breast Cancer Risk. Nutrients, 2019, 11, 2565.	1.7	35
926	Repeated evolution of bacteriocytes in lygaeoid stinkbugs. Environmental Microbiology, 2019, 21, 4378-4394.	1.8	18
927	Comparative Analysis of Intestine Microbiota of Four Wild Waterbird Species. Frontiers in Microbiology, 2019, 10, 1911.	1.5	27

#	Article	IF	Citations
928	Rett Syndrome and Other Neurodevelopmental Disorders Share Common Changes in Gut Microbial Community: A Descriptive Review. International Journal of Molecular Sciences, 2019, 20, 4160.	1.8	25
929	Gut microbiota from NLRP3-deficient mice ameliorates depressive-like behaviors by regulating astrocyte dysfunction via circHIPK2. Microbiome, 2019, 7, 116.	4.9	169
930	Commensal Gut Bacteria Buffer the Impact of Host Genetic Variants on Drosophila Developmental Traits under Nutritional Stress. IScience, 2019, 19, 436-447.	1.9	12
931	Influence of the microbiota-gut-brain axis on behavior and welfare in farm animals: A review. Physiology and Behavior, 2019, 210, 112658.	1.0	78
932	Antibiotic-Induced Perturbations Are Manifested in the Dominant Intestinal Bacterial Phyla of Atlantic Salmon. Microorganisms, 2019, 7, 233.	1.6	41
934	Genetic determinants of gut microbiota composition and bile acid profiles in mice. PLoS Genetics, 2019, 15, e1008073.	1.5	75
935	Persistent metagenomic signatures of early-life hospitalization and antibiotic treatment in the infant gut microbiota and resistome. Nature Microbiology, 2019, 4, 2285-2297.	5.9	191
936	Changes in brain kynurenine levels via gut microbiota and gutâ€barrier disruption induced by chronic ethanol exposure in mice. FASEB Journal, 2019, 33, 12900-12914.	0.2	20
937	An Experimental Approach to Rigorously Assess Paneth Cell Î±-Defensin (Defa) mRNA Expression in C57BL/6 Mice. Scientific Reports, 2019, 9, 13115.	1.6	17
938	Comparative analysis of the fecal microbiota from different species of domesticated and wild suids. Scientific Reports, 2019, 9, 13616.	1.6	30
939	Administration of Lactobacillus fermentum KBL375 Causes Taxonomic and Functional Changes in Gut Microbiota Leading to Improvement of Atopic Dermatitis. Frontiers in Molecular Biosciences, 2019, 6, 92.	1.6	18
940	Structural characterization of phosphoethanolamine-modified lipid A from probiotic Escherichia coli strain Nissle 1917. RSC Advances, 2019, 9, 19762-19771.	1.7	6
941	Gut microbial transformation, a potential improving factor in the therapeutic activities of four groups of natural compounds isolated from herbal medicines. FÃ¬toterapÃ¬Ã¢, 2019, 138, 104293.	1.1	16
942	Chicken lines divergently selected on feather pecking differ in immune characteristics. Physiology and Behavior, 2019, 212, 112680.	1.0	21
943	Impacts of novel duck reovirus infection on the composition of intestinal microbiota of Muscovy ducklings. Microbial Pathogenesis, 2019, 137, 103764.	1.3	13
944	Comparative analysis of midgut bacterial community under Vibrio splendidus infection in Apostichopus japonicus with hindgut as a reference. Aquaculture, 2019, 513, 734427.	1.7	15
945	Intestinal microbiota â€“ A modulator of the Trypanosoma cruzi-vector-host triad. Microbial Pathogenesis, 2019, 137, 103711.	1.3	10
946	The role of the gut microbiota in the treatment of inflammatory bowel diseases. Microbial Pathogenesis, 2019, 137, 103774.	1.3	62

#	Article	IF	Citations
947	Commensal gut microbiota can modulate adaptive immune responses in chickens vaccinated with whole inactivated avian influenza virus subtype H9N2. Vaccine, 2019, 37, 6640-6647.	1.7	31
948	Seasonal Changes in Gut Microbiota Diversity and Composition in the Greater Horseshoe Bat. Frontiers in Microbiology, 2019, 10, 2247.	1.5	45
949	Pain regulation by gut microbiota: molecular mechanisms and therapeutic potential. British Journal of Anaesthesia, 2019, 123, 637-654.	1.5	186
950	Antibiotics as chemical warfare across multiple taxonomic domains and trophic levels in brown food webs. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191536.	1.2	8
951	Megaphages infect Prevotella and variants are widespread in gut microbiomes. Nature Microbiology, 2019, 4, 693-700.	5.9	141
952	Transcriptomics analysis of host liver and meta-transcriptome analysis of rumen epimural microbial community in young calves treated with artificial dosing of rumen content from adult donor cow. Scientific Reports, 2019, 9, 790.	1.6	16
953	Investigating Gut Permeability in Animal Models of Disease. Frontiers in Physiology, 2018, 9, 1962.	1.3	41
954	Lactobacillus Dominate in the Intestine of Atlantic Salmon Fed Dietary Probiotics. Frontiers in Microbiology, 2018, 9, 3247.	1.5	50
955	A comparison of dynamic distributions of intestinal microbiota between Large White and Chinese Shanxi Black pigs. Archives of Microbiology, 2019, 201, 357-367.	1.0	14
956	Screening and identification of gut anaerobes (Bacteroidetes) from human diabetic stool samples with and without retinopathy in comparison to control subjects. Microbial Pathogenesis, 2019, 129, 88-92.	1.3	23
957	TGFÎ²/BMP immune signaling affects abundance and function of C. elegans gut commensals. Nature Communications, 2019, 10, 604.	5.8	64
958	A Natural Mouse Model for Neisseria Persistent Colonization. Methods in Molecular Biology, 2019, 1997, 403-412.	0.4	4
959	Role for diet in normal gut barrier function: developing guidance within the framework of food-labeling regulations. American Journal of Physiology - Renal Physiology, 2019, 317, G17-G39.	1.6	60
960	Effects of Intranasal Pseudorabies Virus AH02LA Infection on Microbial Community and Immune Status in the Ileum and Colon of Piglets. Viruses, 2019, 11, 518.	1.5	13
961	A Unified Model for Inclusive Inheritance in Livestock Species. Genetics, 2019, 212, 1075-1099.	1.2	11
962	A Novel View of Human Helicobacter pylori Infections: Interplay between Microbiota and Beta-Defensins. Biomolecules, 2019, 9, 237.	1.8	39
963	Differences in gut microbiota composition of laying hen lines divergently selected on feather pecking. Poultry Science, 2019, 98, 7009-7021.	1.5	36
964	Association Between Gut Microbiota and Autism Spectrum Disorder: A Systematic Review and Meta-Analysis. Frontiers in Psychiatry, 2019, 10, 473.	1.3	191

#	Article	IF	Citations
965	Gastrointestinal Microbiota in Patients with Chronic Kidney Disease: A Systematic Review. Advances in Nutrition, 2019, 10, 888-901.	2.9	40
966	Alliin protects against inflammatory bowel disease by preserving the gene expression in colonic epithelial cells rather than altering gut microbiota. Journal of Functional Foods, 2019, 59, 309-318.	1.6	3
967	Modulation of the Caecal Gut Microbiota of Mice by Dietary Supplement Containing Resistant Starch: Impact Is Donor-Dependent. Frontiers in Microbiology, 2019, 10, 1234.	1.5	18
968	â€œDietary fibreâ€• moving beyond the â€œsoluble/insolubleâ€•classification for monogastric nutrition, with an emphasis on humans and pigs. Journal of Animal Science and Biotechnology, 2019, 10, 45.	2.1	116
969	Not all animals need a microbiome. FEMS Microbiology Letters, 2019, 366, .	0.7	189
970	Role of the Microbiota in the Modulation of Vaccine Immune Responses. Frontiers in Microbiology, 2019, 10, 1305.	1.5	97
971	Influence of a Serratia marcescens outbreak on the gut microbiota establishment process in low-weight preterm neonates. PLoS ONE, 2019, 14, e0216581.	1.1	18
972	Diversity and Co-occurrence Pattern Analysis of Cecal Microbiota Establishment at the Onset of Solid Feeding in Young Rabbits. Frontiers in Microbiology, 2019, 10, 973.	1.5	16
973	Lipidomic biomarkers and mechanisms of lipotoxicity in non-alcoholic fatty liver disease. Free Radical Biology and Medicine, 2019, 144, 293-309.	1.3	146
974	Gut Microbiota and Colonization Resistance against Bacterial Enteric Infection. Microbiology and Molecular Biology Reviews, 2019, 83, .	2.9	272
975	The gut microbiota â€“ a modulator of endothelial cell function and a contributing environmental factor to arterial thrombosis. Expert Review of Hematology, 2019, 12, 541-549.	1.0	7
976	â€œCandida AlbicansInteractions With The Host: Crossing The Intestinal Epithelial Barrierâ€• Tissue Barriers, 2019, 7, 1612661.	1.6	49
977	Paediatricians play a key role in preventing early harmful events that could permanently influence the development of the gut microbiota in childhood. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 1942-1954.	0.7	9
978	Exposure to cadmium induced gut histopathological damages and microbiota alterations of Chinese toad (Bufo gargarizans) larvae. Ecotoxicology and Environmental Safety, 2019, 180, 449-456.	2.9	34
979	Vitamin D Deficiency in the Gulf Cooperation Council: Exploring the Triad of Genetic Predisposition, the Gut Microbiome and the Immune System. Frontiers in Immunology, 2019, 10, 1042.	2.2	31
980	Contribution of theÂGut and Vaginal Microbiomes to Gynecological Cancers. , 2019, , 399-416.		2
982	Does MHC heterozygosity influence microbiota form and function?. PLoS ONE, 2019, 14, e0215946.	1.1	18
983	Elucidation of Akkermansia muciniphila Probiotic Traits Driven by Mucin Depletion. Frontiers in Microbiology, 2019, 10, 1137.	1.5	85

#	Article	IF	Citations
984	The ancestral and industrialized gut microbiota and implications for human health. Nature Reviews Microbiology, 2019, 17, 383-390.	13.6	255
985	Identifying Gut Microbiota Associated With Colorectal Cancer Using a Zero-Inflated Lognormal Model. Frontiers in Microbiology, 2019, 10, 826.	1.5	119
986	Characteristics of the intestinal flora of specific pathogen free chickens with age. Microbial Pathogenesis, 2019, 132, 325-334.	1.3	44
987	A complex human gut microbiome cultured in an anaerobic intestine-on-a-chip. Nature Biomedical Engineering, 2019, 3, 520-531.	11.6	487
988	Role of Gut Microbiota in Hepatocarcinogenesis. Microorganisms, 2019, 7, 121.	1.6	85
989	The pros, cons, and many unknowns of probiotics. Nature Medicine, 2019, 25, 716-729.	15.2	706
990	Metagenomic analysis of isolation methods of a targeted microbe, Campylobacter jejuni, from chicken feces with high microbial contamination. Microbiome, 2019, 7, 67.	4.9	20
991	Cannabidiol protects livers against nonalcoholic steatohepatitis induced by highâ€fat high cholesterol diet via regulating NFâ€ºB and NLRP3 inflammasome pathway. Journal of Cellular Physiology, 2019, 234, 21224-21234.	2.0	50
992	Bacteriophage versus antibiotic therapy on gut bacterial communities of juvenile green turtle, Chelonia mydas. Environmental Microbiology, 2019, 21, 2871-2885.	1.8	14
993	Anti-diabetic activity of PUFAs-rich extracts of Chlorella pyrenoidosa and Spirulina platensis in rats. Food and Chemical Toxicology, 2019, 128, 233-239.	1.8	54
994	Antibiotic Treatment Drives the Diversification of the Human Gut Resistome. Genomics, Proteomics and Bioinformatics, 2019, 17, 39-51.	3.0	51
995	Effects of single and combined toxic exposures on the gut microbiome: Current knowledge and future directions. Toxicology Letters, 2019, 312, 72-97.	0.4	106
996	Assessing the viability of transplanted gut microbiota by sequential tagging with D-amino acid-based metabolic probes. Nature Communications, 2019, 10, 1317.	5.8	68
997	The Formation of Glycan-Specific Natural Antibodies Repertoire in GalT-KO Mice Is Determined by Gut Microbiota. Frontiers in Immunology, 2019, 10, 342.	2.2	31
998	Non-redundant functions of FAK and Pyk2 in intestinal epithelial repair. Scientific Reports, 2019, 9, 4497.	1.6	7
999	Emerging drugs for the treatment of clostridium difficile. Expert Opinion on Emerging Drugs, 2019, 24, 17-28.	1.0	11
1000	The gut microbiota promotes the pathogenesis of schizophrenia via multiple pathways. Biochemical and Biophysical Research Communications, 2019, 512, 373-380.	1.0	51
1001	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. Cell Reports, 2019, 26, 2720-2737.e5.	2.9	173

#	Article	IF	Citations
1002	Short Chain Fatty Acids (SCFAs)-Mediated Gut Epithelial and Immune Regulation and Its Relevance for Inflammatory Bowel Diseases. Frontiers in Immunology, 2019, 10, 277.	2.2	1,956
1003	Manipulation of gut microbiota during critical developmental windows affects host physiological performance and disease susceptibility across ontogeny. Journal of Animal Ecology, 2019, 88, 845-856.	1.3	61
1004	From germ theory to germ therapy. Kaohsiung Journal of Medical Sciences, 2019, 35, 73-82.	0.8	6
1005	Intestinal Epithelial Organoids as Tools to Study Epigenetics in Gut Health and Disease. Stem Cells International, 2019, 2019, 1-7.	1.2	22
1006	Impact of the Gastro-Intestinal Bacterial Microbiome on Helicobacter-Associated Diseases. Healthcare (Switzerland), 2019, 7, 34.	1.0	20
1008	Dietary Fiber and Intestinal Health of Monogastric Animals. Frontiers in Veterinary Science, 2019, 6, 48.	0.9	198
1009	Simplified Intestinal Microbiota to Study Microbe-Diet-Host Interactions in a Mouse Model. Cell Reports, 2019, 26, 3772-3783.e6.	2.9	61
1010	Major shifts in gut microbiota during development and its relationship to growth in ostriches. Molecular Ecology, 2019, 28, 2653-2667.	2.0	53
1011	Gut microbiota dysbiosis in a cohort of patients with psoriasis. British Journal of Dermatology, 2019, 181, 1287-1295.	1.4	128
1012	Cesarean birth and the growth of Yucatec Maya and Toba/Qom children. American Journal of Human Biology, 2019, 31, e23228.	0.8	8
1013	Dynamic Change of Gut Microbiota During Porcine Epidemic Diarrhea Virus Infection in Suckling Piglets. Frontiers in Microbiology, 2019, 10, 322.	1.5	78
1014	Gut commensal bacteria in biological invasions. Integrative Zoology, 2019, 14, 613-618.	1.3	21
1015	Current understanding of the role of gut dysbiosis in type 1 diabetes. Journal of Diabetes, 2019, 11, 632-644.	0.8	55
1016	From Infection to the Microbiome: An Evolving Role of Microbes in Schizophrenia. Current Topics in Behavioral Neurosciences, 2019, 44, 67-84.	0.8	26
1017	Characteristics of Intestinal Microecology during Mesenchymal Stem Cell-Based Therapy for Mouse Acute Liver Injury. Stem Cells International, 2019, 2019, 1-14.	1.2	24
1018	Whole Genome Analysis of Lactobacillus plantarum Strains Isolated From Kimchi and Determination of Probiotic Properties to Treat Mucosal Infections by Candida albicans and Gardnerella vaginalis. Frontiers in Microbiology, 2019, 10, 433.	1.5	34
1019	Effect of Bacillus subtilis Strains on Intestinal Barrier Function and Inflammatory Response. Frontiers in Immunology, 2019, 10, 564.	2.2	101
1020	Horizontal gene transfer in human-associated microorganisms inferred by phylogenetic reconstruction and reconciliation. Scientific Reports, 2019, 9, 5953.	1.6	55

#	Article	IF	Citations
1021	Incomplete cell disruption of resistant microbes. Scientific Reports, 2019, 9, 5618.	1.6	22
1022	The food additive E171 and titanium dioxide nanoparticles indirectly alter the homeostasis of human intestinal epithelial cells in vitro. Environmental Science: Nano, 2019, 6, 1549-1561.	2.2	40
1023	Characterization and comparisons of microbiota in different intestinal segments between adult Chinese Shanxi Black Pigs and Large White Pigs. Annals of Microbiology, 2019, 69, 447-456.	1.1	3
1024	BRWMDA:Predicting microbe-disease associations based on similarities and bi-random walk on disease and microbe networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 17, 1-1.	1.9	33
1025	Bacterial quorum sensing in complex and dynamically changing environments. Nature Reviews Microbiology, 2019, 17, 371-382.	13.6	683
1026	Unique Gene Expression Signatures in the Intestinal Mucosa and Organoids Derived from Germ-Free and Monoassociated Mice. International Journal of Molecular Sciences, 2019, 20, 1581.	1.8	11
1027	The effect of diet on hypertensive pathology: is there a link via gut microbiota-driven immunometabolism?. Cardiovascular Research, 2019, 115, 1435-1447.	1.8	58
1028	Succession of embryonic and the intestinal bacterial communities of Atlantic salmon (Salmo) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	68
1029	Bugs, drugs, and cancer: can the microbiome be a potential therapeutic target for cancer management?. Drug Discovery Today, 2019, 24, 1000-1009.	3.2	8
1030	A combination of yeast beta-glucan and milk hydrolysate is a suitable alternative to zinc oxide in the race to alleviate post-weaning diarrhoea in piglets. Scientific Reports, 2019, 9, 616.	1.6	24
1031	Impact of the Gut Microbiome on Behavior and Emotions. , 2019, , 379-390.		1
1032	Differences in Systemic IgA Reactivity and Circulating Th Subsets in Healthy Volunteers With Specific Microbiota Enterotypes. Frontiers in Immunology, 2019, 10, 341.	2.2	15
1033	Reviews on Biomarker Studies in Psychiatric and Neurodegenerative Disorders. Advances in Experimental Medicine and Biology, 2019, , .	0.8	6
1034	Role of the Gut Microbiome in Autism Spectrum Disorders. Advances in Experimental Medicine and Biology, 2019, 1118, 253-269.	0.8	98
1035	The potential of pectin to impact pig nutrition and health: feeding the animal and its microbiome. FEMS Microbiology Letters, 2019, 366, .	0.7	10
1036	Gut Microbes in Liver Diseases. , 2019, , 117-131.		0
1037	Regulation of Immune Cell Function by Short Chain Fatty Acids and Their Impact on Arthritis. , 2019, , 175-188.		3
1038	Intestinal microbes direct CX₃CR1⁺cells to balance intestinal immunity. Gut Microbes, 2019, 10, 540-546.	4.3	4

#	Article	IF	Citations
1039	Bacterial Community Diversity Associated With Different Utilization Efficiencies of Nitrogen in the Gastrointestinal Tract of Goats. Frontiers in Microbiology, 2019, 10, 239.	1.5	41
1040	Dysbiosis in Snoring Children. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 272-277.	0.9	26
1041	Composition of gut microbiota in patients with toxigenic Clostridioides (Clostridium) difficile: Comparison between subgroups according to clinical criteria and toxin gene load. PLoS ONE, 2019, 14, e0212626.	1.1	35
1042	Chapter 18 Cross-feeding during human colon fermentation. , 2019, , 313-338.		1
1043	Gut Microbiota and Its Mysteries. Indian Journal of Medical Microbiology, 2019, 37, 268-277.	0.3	75
1044	The Therapeutic Potential of the â€œYin-Yangâ€•Garden in Our Gut. , 2019, , .		2
1045	The potential of pectin to impact pig nutrition and health: feeding the animal and its microbiome. FEMS Microbiology Letters, 2019, 366, i68-i82.	0.7	1
1046	Interrogation of Internal Workings in Microbial Community Assembly: Play a Game through a Behavioral Network?. MSystems, 2019, 4, .	1.7	7
1047	O PAPEL DA MICROBIOTA COMO ALIADA NO SISTEMA IMUNOLÃ“GICO. Arquivos Do Mudi, 2019, 23, 345-358.	0.1	1
1048	Probiotic properties of Lactobacillus strains from traditional fermented yogurt in Xinjiang. E3S Web of Conferences, 2019, 131, 01121.	0.2	1
1049	Comparative analysis of microbiota along the length of the gastrointestinal tract of two tree squirrel species (Sciurus aberti and S. niger) living in sympatry. Ecology and Evolution, 2019, 9, 13344-13358.	0.8	5
1050	Beneficial effects of novel hydrolysates produced by limited enzymatic broken rice on the gut microbiota and intestinal morphology in weaned piglets. Journal of Functional Foods, 2019, 62, 103560.	1.6	10
1051	A Novel Approach Based on Bipartite Network Recommendation and KATZ Model to Predict Potential Micro-Disease Associations. Frontiers in Genetics, 2019, 10, 1147.	1.1	16
1052	Commensal microbiota modulates larval foraging behaviour, development rate and pupal production in Bactrocera tryoni. BMC Microbiology, 2019, 19, 286.	1.3	16
1053	Application of LpxC enzyme inhibitor to inhibit some fast-growing bacteria in human gut bacterial culturomics. BMC Microbiology, 2019, 19, 308.	1.3	10
1054	The Gut Microbiota in Cardiovascular Disease and Arterial Thrombosis. Microorganisms, 2019, 7, 691.	1.6	16
1055	C-type lectin receptors as potential targets for the treatment of gastrointestinal diseases related to fungal infection. Gastroenterology Report, 2019, 7, 376-377.	0.6	0
1056	Depolymerized RG-I-enriched pectin from citrus segment membranes modulates gut microbiota, increases SCFA production, and promotes the growth ofBifidobacteriumspp.,Lactobacillusspp. andFaecalibaculumspp.. Food and Function, 2019, 10, 7828-7843.	2.1	115

#	Article	IF	Citations
1057	Early life nutrition influences susceptibility to chronic inflammatory colitis in later life. Scientific Reports, 2019, 9, 18111.	1.6	12
1058	WMGHMDA: a novel weighted meta-graph-based model for predicting human microbe-disease association on heterogeneous information network. BMC Bioinformatics, 2019, 20, 541.	1.2	25
1059	Intergenerational Transmission of Characters Through Genetics, Epigenetics, Microbiota, and Learning in Livestock. Frontiers in Genetics, 2019, 10, 1058.	1.1	12
1060	Gut-Brain Axis and Stress Regulation. Holistic Nursing Practice, 2019, 33, 312-315.	0.3	0
1061	Microbial genomes from non-human primate gut metagenomes expand the primate-associated bacterial tree of life with over 1000 novel species. Genome Biology, 2019, 20, 299.	3.8	58
1062	Microbial transmission from mother to child: improving infant intestinal microbiota development by identifying the obstacles. Critical Reviews in Microbiology, 2019, 45, 613-648.	2.7	30
1063	Tenebrio molitor and Zophobas morio Full-Fat Meals in Broiler Chicken Diets: Effects on Nutrients Digestibility, Digestive Enzyme Activities, and Cecal Microbiome. Animals, 2019, 9, 1128.	1.0	35
1064	The promising role of probiotic and synbiotic therapy in aminotransferase levels and inflammatory markers in patients with nonalcoholic fatty liver disease â€“ a systematic review and meta-analysis. European Journal of Gastroenterology and Hepatology, 2019, 31, 703-715.	0.8	36
1065	The Gut Microbiota in Causation, Detection, and Treatment of Cancer. American Journal of Gastroenterology, 2019, 114, 1036-1042.	0.2	25
1066	Non-nutritive Sweeteners: Implications for Consumption in Athletic Populations. Strength and Conditioning Journal, 2019, 41, 112-126.	0.7	0
1067	The Microbiome and Its Potential for Pharmacology. Handbook of Experimental Pharmacology, 2019, 260, 301-326.	0.9	14
1068	Understanding the relevance of herbâ€“drug interaction studies with special focus on interplays: a prerequisite for integrative medicine. Porto Biomedical Journal, 2019, 4, e15.	0.4	53
1069	Abdominal microbial communities in ants depend on colony membership rather than caste and are linked to colony productivity. Ecology and Evolution, 2019, 9, 13450-13467.	0.8	21
1070	Rethinking antimicrobial stewardship paradigms in the context of the gut microbiome. JAC-Antimicrobial Resistance, 2019, 1, dlz015.	0.9	10
1071	16S ribosomal RNA sequencing reveals a modulation of intestinal microbiome and immune response by dietary L-theanine supplementation in broiler chickens. Poultry Science, 2019, 98, 842-854.	1.5	39
1072	Bifidobacterium xylocopae sp. nov. and Bifidobacterium aemilianum sp. nov., from the carpenter bee (Xylocopa violacea) digestive tract. Systematic and Applied Microbiology, 2019, 42, 205-216.	1.2	45
1073	Nondigestible carbohydrates, butyrate, and butyrate-producing bacteria. Critical Reviews in Food Science and Nutrition, 2019, 59, S130-S152.	5.4	271
1074	Conservation metagenomics: a new branch of conservation biology. Science China Life Sciences, 2019, 62, 168-178.	2.3	61

#	Article	IF	Citations
1075	Guggulsterone, a farnesoid X receptor antagonist lowers plasma trimethylamine-N-oxide levels: An evidence from in vitro and in vivo studies. Human and Experimental Toxicology, 2019, 38, 356-370.	1.1	15
1076	Sodium Chloride Aggravates Arthritis via Th17 Polarization. Yonsei Medical Journal, 2019, 60, 88.	0.9	26
1077	Microbial transglutaminase: A new potential player in celiac disease. Clinical Immunology, 2019, 199, 37-43.	1.4	27
1078	Functions of the Microbiota for the Physiology of Animal Metaorganisms. Journal of Innate Immunity, 2019, 11, 393-404.	1.8	56
1079	Current and emerging medical therapeutic agents for idiopathic male infertility. Expert Opinion on Pharmacotherapy, 2019, 20, 55-67.	0.9	53
1080	Health benefits conferred by the human gut microbiota during infancy. Microbial Biotechnology, 2019, 12, 243-248.	2.0	7
1081	Environmental pollutant-mediated disruption of gut microbial metabolism of the prebiotic inulin. Anaerobe, 2019, 55, 96-102.	1.0	16
1082	Short-chain fatty acids and gut microbiota in multiple sclerosis. Acta Neurologica Scandinavica, 2019, 139, 208-219.	1.0	73
1083	The role of microbiota in the pathogenesis of lupus: Dose it impact lupus nephritis?. Pharmacological Research, 2019, 139, 191-198.	3.1	23
1084	Interleukinâ€17/interleukinâ€17 receptor axis elicits intestinal neutrophil migration, restrains gut dysbiosis and lipopolysaccharide translocation in highâ€fat dietâ€induced metabolic syndrome model. Immunology, 2019, 156, 339-355.	2.0	52
1085	Impact of dietary fiber supplementation on modulating microbiotaâ€“hostâ€“metabolic axes in obesity. Journal of Nutritional Biochemistry, 2019, 64, 228-236.	1.9	88
1086	Antibiotic Perturbation of Gut Microbiota Dysregulates Osteoimmune Cross Talk in Postpubertal Skeletal Development. American Journal of Pathology, 2019, 189, 370-390.	1.9	39
1087	A great-ape view of the gutÂmicrobiome. Nature Reviews Genetics, 2019, 20, 195-206.	7.7	49
1088	Microbial embryonal colonization during pipefish male pregnancy. Scientific Reports, 2019, 9, 3.	1.6	44
1089	Bacterial community and metabolome shifts in the cecum and colon of captive sika deer (Cervus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	6.7	11
1090	The interplay among gut microbiota, hypertension and kidney diseases: The role of short-chain fatty acids. Pharmacological Research, 2019, 141, 366-377.	3.1	94
1091	Enteric dysbiosis and fecal calprotectin expression in premature infants. Pediatric Research, 2019, 85, 361-368.	1.1	25
1092	Insights into the role of bacteria in vitamin A biosynthesis: Future research opportunities. Critical Reviews in Food Science and Nutrition, 2019, 59, 3211-3226.	5.4	25

#	Article	IF	Citations
1093	Minority species influences microbiota formation: the role of Bifidobacterium with extracellular glycosidases in bifidus flora formation in breastfed infant guts. Microbial Biotechnology, 2019, 12, 259-264.	2.0	15
1094	Effects of Attenuated S. agalactiae Strain YM001 on Intestinal Microbiota of Tilapia Are Recoverable. Frontiers in Microbiology, 2018, 9, 3251.	1.5	11
1095	A comprehensive understanding of the gut mucosal immune system in allergic inflammation. Allergology International, 2019, 68, 17-25.	1.4	53
1096	The protective effects of fecal microbiota transplantation in an experimental model of necrotizing enterocolitis. Journal of Pediatric Surgery, 2019, 54, 1578-1583.	0.8	24
1097	Assessing safety of Lactobacillus plantarum MTCC 5690 and Lactobacillus fermentum MTCC 5689 using in vitro approaches and an in vivo murine model. Regulatory Toxicology and Pharmacology, 2019, 101, 1-11.	1.3	23
1098	Predicting the associations between microbes and diseases by integrating multiple data sources and path-based HeteSim scores. Neurocomputing, 2019, 323, 76-85.	3.5	32
1099	Impact of the gut microbiota on chemical risk assessment. Current Opinion in Toxicology, 2019, 15, 109-113.	2.6	21
1100	Nonalcoholic Fatty Liver Disease: Basic Pathogenetic Mechanisms in the Progression From NAFLD to NASH. Transplantation, 2019, 103, e1-e13.	0.5	266
1101	Probiotics importance and their immunomodulatory properties. Journal of Cellular Physiology, 2019, 234, 8008-8018.	2.0	136
1102	Dietary supplementation of GrobioticÂ®-A increases short-term inflammatory responses and improves long-term growth performance and liver health in largemouth bass (Micropterus salmoides). Aquaculture, 2019, 500, 327-337.	1.7	43
1103	A mathematical model to investigate the key drivers of the biogeography of the colon microbiota. Journal of Theoretical Biology, 2019, 462, 552-581.	0.8	30
1104	The Costs of Living Together: Immune Responses to the Microbiota and Chronic Gut Inflammation. Applied and Environmental Microbiology, 2019, 85, .	1.4	4
1105	Recent Developments in the Prevention of Obesity by Using Microorganisms. , 2019, , 47-60.		1
1106	Effects of Panax ginseng polysaccharides on the gut microbiota in mice with antibiotic-associated diarrhea. International Journal of Biological Macromolecules, 2019, 124, 931-937.	3.6	94
1107	Biodiversityâ€“ecosystem function relationships on bodies and in buildings. Nature Ecology and Evolution, 2019, 3, 7-9.	3.4	2
1108	Regulation of glucose metabolism by bioactive phytochemicals for the management of type 2 diabetes mellitus. Critical Reviews in Food Science and Nutrition, 2019, 59, 830-847.	5.4	123
1109	Thinking Outside the Cereal Box: Noncarbohydrate Routes for Dietary Manipulation of the Gut Microbiota. Applied and Environmental Microbiology, 2019, 85, .	1.4	14
1110	Effects of glycinin and Î²-conglycinin on growth performance and intestinal health in juvenile Chinese mitten crabs (Eriocheir sinensis). Fish and Shellfish Immunology, 2019, 84, 269-279.	1.6	59

#	Article	IF	Citations
1111	Immunity, immunomodulation, and antibiotic alternatives to maximize the genetic potential of poultry for growth and disease response. Animal Feed Science and Technology, 2019, 250, 41-50.	1.1	61
1112	Microbiotaâ€derived lipopolysaccharide retards chondrocyte hypertrophy in the growth plate through elevating Sox9 expression. Journal of Cellular Physiology, 2019, 234, 2593-2605.	2.0	12
1114	South Asian Health: Inflammation, Infection, Exposure, and the Human Microbiome. Journal of Immigrant and Minority Health, 2019, 21, 26-36.	0.8	3
1115	An integrated bayesian theory of phenotypic flexibility. Behavioural Processes, 2019, 161, 54-64.	0.5	15
1116	Transfer of maternal psychosocial stress to the fetus. Neuroscience and Biobehavioral Reviews, 2020, 117, 185-197.	2.9	135
1117	Parkinsonâ€™s disease and the gastrointestinal microbiome. Journal of Neurology, 2020, 267, 2507-2523.	1.8	119
1118	Phosphate Binders and Nonphosphate Effects in the Gastrointestinal Tract. , 2020, 30, 4-10.		24
1119	Caenorhabditis elegans: a model to understand hostâ€“microbe interactions. Cellular and Molecular Life Sciences, 2020, 77, 1229-1249.	2.4	56
1120	Alterations of endogenous sphingolipid metabolism in cardiometabolic diseases: Towards novel therapeutic approaches. Biochimie, 2020, 169, 133-143.	1.3	18
1121	Comparison of gut bacterial communities and their associations with host diets in four fruit borers. Pest Management Science, 2020, 76, 1353-1362.	1.7	46
1122	Transplantation of microbiota from drug-free patients with schizophrenia causes schizophrenia-like abnormal behaviors and dysregulated kynurenine metabolism in mice. Molecular Psychiatry, 2020, 25, 2905-2918.	4.1	202
1123	Gut Microbiota Dysbiosis Enhances Migraine-Like Pain Via TNFÎ± Upregulation. Molecular Neurobiology, 2020, 57, 461-468.	1.9	52
1124	Influence of a 3-month low-calorie Mediterranean diet compared to the vegetarian diet on human gut microbiota and SCFA: the CARDIVEG Study. European Journal of Nutrition, 2020, 59, 2011-2024.	1.8	94
1125	Antibiotic exposure and asthma development in children with allergic rhinitis. Journal of Microbiology, Immunology and Infection, 2020, 53, 803-811.	1.5	13
1126	The hologenome concept of evolution: do mothers matter most?. BJOG: an International Journal of Obstetrics and Gynaecology, 2020, 127, 129-137.	1.1	10
1127	Early-Life Exposure to Oral Antibiotics andÂLung Function Into Early Adulthood. Chest, 2020, 157, 334-341.	0.4	1
1128	Developmental bias in horned dung beetles and its contributions to innovation, adaptation, and resilience. Evolution & Development, 2020, 22, 165-180.	1.1	16
1129	Hydroxycinnamic acids and human health: recent advances. Journal of the Science of Food and Agriculture, 2020, 100, 483-499.	1.7	96

#	Article	IF	Citations
1130	Characterization of the gut microbiome of black-necked cranes (Grus nigricollis) in six wintering areas in China. Archives of Microbiology, 2020, 202, 983-993.	1.0	27
1131	Beyond host regulation: Changes in gut microbiome of permissive and non-permissive hosts following parasitization by the wasp Cotesia flavipes. FEMS Microbiology Ecology, 2020, 96, .	1.3	11
1132	Organoids in immunological research. Nature Reviews Immunology, 2020, 20, 279-293.	10.6	200
1133	Distant Immune and Microbiome Regulation. , 2020, , 599-611.		0
1134	Microglia, Lifestyle Stress, and Neurodegeneration. Immunity, 2020, 52, 222-240.	6.6	174
1135	The Mouse Gut Microbial Biobank expands the coverage of cultured bacteria. Nature Communications, 2020, 11, 79.	5.8	55
1136	Sex Differences in Gut Microbiota. World Journal of Men?s Health, 2020, 38, 48.	1.7	340
1137	Gut microbiome composition and diversity are related to human personality traits. Human Microbiome Journal, 2020, 15, 100069.	3.8	119
1138	Taxonomic and functional changes in the microbiota of the white shrimp (Litopenaeus vannamei) associated with postlarval ontogenetic development. Aquaculture, 2020, 518, 734842.	1.7	20
1139	The role of microbiota in tissue repair and regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 539-555.	1.3	23
1140	Prevention of excessive exerciseâ€induced adverse effects in rats withBacillus subtilisBSB3. Journal of Applied Microbiology, 2020, 128, 1163-1178.	1.4	10
1141	Manipulation of microbiota with probiotics as an alternative for treatment of hepatic encephalopathy. Nutrition, 2020, 73, 110693.	1.1	12
1142	Annual Research Review: Critical windows â€“ the microbiotaâ€“gutâ€“brain axis in neurocognitive development. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2020, 61, 353-371.	3.1	103
1143	Novel concepts in the pathophysiology and treatment of functional dyspepsia. Gut, 2020, 69, 591-600.	6.1	142
1144	Metabolic Labeling of Peptidoglycan with NIRâ€II Dye Enables In Vivo Imaging of Gut Microbiota. Angewandte Chemie - International Edition, 2020, 59, 2628-2633.	7.2	71
1145	Metabolic Labeling of Peptidoglycan with NIRâ€II Dye Enables In Vivo Imaging of Gut Microbiota. Angewandte Chemie, 2020, 132, 2650-2655.	1.6	9
1146	Immunoglobulins, Mucosal Immunity and Vaccination in Teleost Fish. Frontiers in Immunology, 2020, 11, 567941.	2.2	115
1147	The Commensal Microbiota Enhances ADP-Triggered Integrin Î±IIbÎ²3 Activation and von Willebrand Factor-Mediated Platelet Deposition to Type I Collagen. International Journal of Molecular Sciences, 2020, 21, 7171.	1.8	11

#	Article	IF	Citations
1148	Nutritional Targeting of the Microbiome as Potential Therapy for Malnutrition and Chronic Inflammation. Nutrients, 2020, 12, 3032.	1.7	10
1149	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.	2.1	29
1150	How gut microbiome interactions affect nutritional traits of Drosophila melanogaster. Journal of Experimental Biology, 2020, 223, .	0.8	14
1151	DMFMDA: Prediction of Microbe-Disease Associations Based on Deep Matrix Factorization Using Bayesian Personalized Ranking. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1763-1772.	1.9	21
1152	A Novel Insight at Atherogenesis: The Role of Microbiome. Frontiers in Cell and Developmental Biology, 2020, 8, 586189.	1.8	19
1153	Heterogeneity of CD4+CD25+Foxp3+Treg TCR Î² CDR3 Repertoire Based on the Differences of Symbiotic Microorganisms in the Gut of Mice. Frontiers in Cell and Developmental Biology, 2020, 8, 576445.	1.8	4
1154	Nutraceuticals and probiotics in the management of psychiatric and neurological disorders: A focus on microbiota-gut-brain-immune axis. Brain, Behavior, and Immunity, 2020, 90, 403-419.	2.0	11
1155	Mechanistic insight into the gut microbiome and its interaction with host immunity and inflammation. Animal Nutrition, 2020, 6, 421-428.	2.1	26
1156	Characterization of the bacterial microbiome among free-ranging bottlenose dolphins (Tursiops) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.4	15
1157	Swine gut microbiota and its interaction with host nutrient metabolism. Animal Nutrition, 2020, 6, 410-420.	2.1	41
1158	Structural basis of mammalian mucin processing by the human gut O-glycopeptidase OgpA from Akkermansia muciniphila. Nature Communications, 2020, 11, 4844.	5.8	57
1159	Effects of Probiotics Administration on Human Metabolic Phenotype. Metabolites, 2020, 10, 396.	1.3	7
1160	Gut Microbiome in Children from Indigenous and Urban Communities in MÃ©xico: Different Subsistence Models, Different Microbiomes. Microorganisms, 2020, 8, 1592.	1.6	13
1161	Staphylococcus aureus Host Tropism and Its Implications for Murine Infection Models. International Journal of Molecular Sciences, 2020, 21, 7061.	1.8	19
1162	Baicalein ameliorates ionizing radiation-induced injuries by rebalancing gut microbiota and inhibiting apoptosis. Life Sciences, 2020, 261, 118463.	2.0	28
1163	Lactobacillus paracasei KBL382 administration attenuates atopic dermatitis by modulating immune response and gut microbiota. Gut Microbes, 2020, 12, 1819156.	4.3	40
1164	Early Life Disruption of the Microbiota Affects Organ Development and Cytokine Gene Expression in Threespine Stickleback. Integrative and Comparative Biology, 2020, , .	0.9	5
1165	Large Overlap Between the Intestinal and Reproductive Tract Microbiomes of Chickens. Frontiers in Microbiology, 2020, 11, 1508.	1.5	23

#	Article	IF	Citations
1166	Oral Exposure to 1,4-Dioxane Induces Hepatic Inflammation in Mice: The Potential Promoting Effect of the Gut Microbiome. Environmental Science & Technology, 2020, 54, 10149-10158.	4.6	17
1167	Nutrition and immune system: from the Mediterranean diet to dietary supplementary through the microbiota. Critical Reviews in Food Science and Nutrition, 2021, 61, 3066-3090.	5.4	83
1168	Asymptomatic carriers of Neisseria meningitidis and Moraxella catarrhalis in healthy children. New Microbes and New Infections, 2020, 36, 100691.	0.8	7
1169	Co-evolution and Co-speciation of Host-Gut Bacteria Systems. Cell Host and Microbe, 2020, 28, 12-22.	5.1	128
1170	Crosstalk between the growth hormone/insulin-like growth factor-1 axis and the gut microbiome: A new frontier for microbial endocrinology. Growth Hormone and IGF Research, 2020, 53-54, 101333.	0.5	25
1171	Antimicrobial Resistance. , 2020, , .		2
1172	Changes in Antioxidant Enzymes Activity and Metabolomic Profiles in the Guts of Honey Bee (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	23
1173	Interplay between Human Intestinal Microbiota and Gut-to-Brain Axis: Relationship with Autism Spectrum Disorders. , 2020, , .		2
1174	Vertically Transmitted Gut Bacteria and Nutrition Influence the Immunity and Fitness of Bactrocera dorsalis Larvae. Frontiers in Microbiology, 2020, 11, 596352.	1.5	17
1175	Microbiome Analysis Investigating the Impacts of Fermented Spent Mushroom Substrates on the Composition of Microbiota in Weaned Piglets Hindgut. Frontiers in Veterinary Science, 2020, 7, 584243.	0.9	5
1176	Probiotics-addicted low-protein diet for microbiota modulation in patients with advanced chronic kidney disease (ProLowCKD): A protocol of placebo-controlled randomized trial. Journal of Functional Foods, 2020, 74, 104133.	1.6	4
1177	Inflammaging in Endemic Areas for Infectious Diseases. Frontiers in Immunology, 2020, 11, 579972.	2.2	16
1178	The role of metal oxide nanoparticles, Escherichia coli, and Lactobacillus rhamnosus on small intestinal enzyme activity. Environmental Science: Nano, 2020, 7, 3940-3964.	2.2	11
1179	The Native Microbiome is Crucial for Offspring Generation and Fitness of Aurelia aurita. MBio, 2020, 11, .	1.8	25
1180	Cyclophosphamide Increases Lactobacillus in the Intestinal Microbiota in Chickens. MSystems, 2020, 5, .	1.7	2
1181	Genomic Characterization of a Novel Tenericutes Bacterium from Deep-Sea Holothurian Intestine. Microorganisms, 2020, 8, 1874.	1.6	22
1182	Vaginal Microbiota Diversity of Patients with Embryonic Miscarriage by Using 16S rDNA High-Throughput Sequencing. International Journal of Genomics, 2020, 2020, 1-12.	0.8	14
1183	Caffeine and Parkinsonâ€™s Disease: Multiple Benefits and Emerging Mechanisms. Frontiers in Neuroscience, 2020, 14, 602697.	1.4	77

#	Article	IF	Citations
1184	Altitude influences microbial diversity and herbage fermentation in the rumen of yaks. BMC Microbiology, 2020, 20, 370.	1.3	57
1185	Sending signals â€“ The microbiotaâ€™s contribution to intestinal epithelial homeostasis. Microbes and Infection, 2021, 23, 104774.	1.0	5
1186	Drug Discovery and Development of Novel Therapeutics for Inhibiting TMAO in Models of Atherosclerosis and Diabetes. Frontiers in Physiology, 2020, 11, 567899.	1.3	22
1187	Gut dysbiosis and age-related neurological diseases; an innovative approach for therapeutic interventions. Translational Research, 2020, 226, 39-56.	2.2	29
1188	Microbial involvement in Alzheimer disease development and progression. Molecular Neurodegeneration, 2020, 15, 42.	4.4	56
1189	NSAIDâ€“Gut Microbiota Interactions. Frontiers in Pharmacology, 2020, 11, 1153.	1.6	56
1190	Baseline Gut Microbiota Composition Is Associated with Major Infections Early after Hematopoietic Cell Transplantation. Biology of Blood and Marrow Transplantation, 2020, 26, 2001-2010.	2.0	8
1191	17Î²-Estradiol supplementation changes gut microbiota diversity in intact and colorectal cancer-induced ICR male mice. Scientific Reports, 2020, 10, 12283.	1.6	34
1192	Schizasterid Heart Urchins Host Microorganisms in a Digestive Symbiosis of Mesozoic Origin. Frontiers in Microbiology, 2020, 11, 1697.	1.5	4
1193	Probiotics function and modulation of the immune system in allergic diseases. Allergologia Et Immunopathologia, 2020, 48, 771-788.	1.0	59
1194	The effects of microgravity on the digestive system and the new insights it brings to the life sciences. Life Sciences in Space Research, 2020, 27, 74-82.	1.2	24
1195	Inferring Disease-Associated Microbes Based on Multi-Data Integration and Network Consistency Projection. Frontiers in Bioengineering and Biotechnology, 2020, 8, 831.	2.0	14
1196	Exposures to uranium and arsenic alter intraepithelial and innate immune cells in the small intestine of male and female mice. Toxicology and Applied Pharmacology, 2020, 403, 115155.	1.3	23
1197	Toward a porcine in vivo model to analyze the pathogenesis of TLR5-dependent enteropathies. Gut Microbes, 2020, 12, 1782163.	4.3	1
1198	The Gut Microbiota and Unhealthy Aging: Disentangling Cause from Consequence. Cell Host and Microbe, 2020, 28, 180-189.	5.1	175
1199	CoMNRank: An integrated approach to extract and prioritize human microbial metabolites from MEDLINE records. Journal of Biomedical Informatics, 2020, 109, 103524.	2.5	4
1200	Hydrolytic Profile of the Culturable Gut Bacterial Community Associated With Hermetia illucens. Frontiers in Microbiology, 2020, 11, 1965.	1.5	35
1201	Antibiotics in hives and their effects on honey bee physiology and behavioral development. Biology Open, 2020, 9, .	0.6	22

#	Article	IF	Citations
1202	Relationship between intestinal microbiota, diet and biological systems: an integrated view. Critical Reviews in Food Science and Nutrition, 2022, 62, 1166-1186.	5.4	16
1203	Effects of Fluorine on Intestinal Structural Integrity and Microbiota Composition of Common Carp. Biological Trace Element Research, 2021, 199, 3489-3496.	1.9	6
1204	Parental Microbiota Modulates Offspring Development, Body Mass and Fecundity in a Polyphagous Fruit Fly. Microorganisms, 2020, 8, 1289.	1.6	10
1205	Seasonal dynamics and starvation impact on the gut microbiome of urochordate ascidian Halocynthia roretzi. Animal Microbiome, 2020, 2, 30.	1.5	16
1206	Inclusive inheritance for residual feed intake in pigs and rabbits. Journal of Animal Breeding and Genetics, 2020, 137, 535-544.	0.8	3
1207	Diagnosis Approaches for Colorectal Cancer Using Manifold Learning and Deep Learning. SN Computer Science, 2020, 1, 1.	2.3	3
1208	Microbiota in Dung and Milk Differ Between Organic and Conventional Dairy Farms. Frontiers in Microbiology, 2020, 11, 1746.	1.5	4
1209	Prebiotic agavin in juvenile totoaba, Totoaba macdonaldi diets, to relieve soybean mealâ€induced enteritis: Growth performance, gut histology and microbiota. Aquaculture Nutrition, 2020, 26, 2115-2134.	1.1	15
1210	Decrease of oral microbial diversity might correlate with radiation esophagitis in patients with esophageal cancer undergoing chemoradiation: A pilot study. Precision Radiation Oncology, 2020, 4, 81-88.	0.4	4
1211	Compositional and functional differences of the mucosal microbiota along the intestine of healthy individuals. Scientific Reports, 2020, 10, 14977.	1.6	78
1212	Relationship between the Quality of Colostrum and the Formation of Microflora in the Digestive Tract of Calves. Animals, 2020, 10, 1293.	1.0	8
1213	Quercetin improves gut dysbiosis in antibiotic-treated mice. Food and Function, 2020, 11, 8003-8013.	2.1	74
1214	Intrauterine growth restriction alters growth performance, plasma hormones, and small intestinal microbial communities in growing-finishing pigs. Journal of Animal Science and Biotechnology, 2020, 11, 86.	2.1	24
1215	Understanding the effects of dietary components on the gut microbiome and human health. Food Science and Biotechnology, 2020, 29, 1463-1474.	1.2	10
1216	MicroRNAs Regulate Intestinal Immunity and Gut Microbiota for Gastrointestinal Health: A Comprehensive Review. Genes, 2020, 11, 1075.	1.0	36
1217	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.	1.7	11
1218	Intestinal Microbiota Composition in Iranian Diabetic, Pre-diabetic and Healthy Individuals. Journal of Diabetes and Metabolic Disorders, 2020, 19, 1199-1203.	0.8	14
1219	Composition of the murine gut microbiome impacts humoral immunity induced by rabies vaccines. Clinical and Translational Medicine, 2020, 10, e161.	1.7	20

#	Article	IF	Citations
1220	Chitosan-chelated zinc modulates cecal microbiota and attenuates inflammatory response in weaned rats challenged with Escherichia coli. Journal of Microbiology, 2020, 58, 780-792.	1.3	9
1221	Epigenetic Effects of Gut Metabolites: Exploring the Path of Dietary Prevention of Type 1 Diabetes. Frontiers in Nutrition, 2020, 7, 563605.	1.6	13
1222	Mucus barrier, mucins and gut microbiota: the expected slimy partners?. Gut, 2020, 69, 2232-2243.	6.1	698
1223	Dietary Supplementation with Sugar Beet Fructooligosaccharides and Garlic Residues Promotes Growth of Beneficial Bacteria and Increases Weight Gain in Neonatal Lambs. Biomolecules, 2020, 10, 1179.	1.8	4
1224	Gut-Pancreas-Liver Axis as a Target for Treatment of NAFLD/NASH. International Journal of Molecular Sciences, 2020, 21, 5820.	1.8	38
1225	Oral Dysbiosis and Autoimmunity: From Local Periodontal Responses to an Imbalanced Systemic Immunity. A Review. Frontiers in Immunology, 2020, 11, 591255.	2.2	43
1226	The Gut-Brain Axis: How Microbiota and Host Inflammasome Influence Brain Physiology and Pathology. Frontiers in Immunology, 2020, 11, 604179.	2.2	337
1227	Gastric Adenocarcinomas and Signet-Ring Cell Carcinoma: Unraveling Gastric Cancer Complexity through Microbiome Analysisâ€"Deepening Heterogeneity for a Personalized Therapy. International Journal of Molecular Sciences, 2020, 21, 9735.	1.8	25
1228	Colonization of Germ-Free Piglets with Mucinolytic and Non-Mucinolytic Bifidobacterium boum Strains Isolated from the Intestine of Wild Boar and Their Interference with Salmonella Typhimurium. Microorganisms, 2020, 8, 2002.	1.6	7
1229	Aging in Male Wistar Rats Associates With Changes in Intestinal Microbiota, Gut Structure, and Cholecystokinin-Mediated Gutâ€"Brain Axis Function. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1915-1921.	1.7	14
1230	Intestinal Microbes in Autoimmune and Inflammatory Disease. Frontiers in Immunology, 2020, 11, 597966.	2.2	28
1231	The Role of Prebiotics and Probiotics in Prevention of Allergic Diseases in Infants. Frontiers in Pediatrics, 2020, 8, 583946.	0.9	57
1233	Role of gut-lung microbiome crosstalk in COVID-19. Research on Biomedical Engineering, 2020, , 1.	1.5	8
1234	Metagenomic Systems Biology. , 2020, , .		0
1235	Probiotic Lactobacillus fermentum strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota. Scientific Reports, 2020, 10, 21701.	1.6	38
1236	The Relationship Between Gut Microbiota and Inflammatory Diseases: The Role of Macrophages. Frontiers in Microbiology, 2020, 11, 1065.	1.5	146
1237	Impact of host intraspecies genetic variation, diet, and age on bacterial and fungal intestinal microbiota in tigers. MicrobiologyOpen, 2020, 9, e1050.	1.2	22
1238	Sodium butyrate can improve intestinal integrity and immunity in juvenile Chinese mitten crab (Eriocheir sinensis) fed glycinin. Fish and Shellfish Immunology, 2020, 102, 400-411.	1.6	33

#	Article	IF	Citations
1239	An individualized mosaic of maternal microbial strains is transmitted to the infant gut microbial community. Royal Society Open Science, 2020, 7, 192200.	1.1	24
1240	Changes in colonic microbiotas in rat after long-term exposure to low dose of okadaic acid. Chemosphere, 2020, 254, 126874.	4.2	14
1241	Distinct Commensal Bacterial Signature in the Gut Is Associated With Acute and Long-Term Protection From Ischemic Stroke. Stroke, 2020, 51, 1844-1854.	1.0	60
1242	Structure and membership of gut microbial communities in multiple fish cryptic species under potential migratory effects. Scientific Reports, 2020, 10, 7547.	1.6	24
1243	Discovery of 2-aryl and 2-pyridinylbenzothiazoles endowed with antimicrobial and aryl hydrocarbon receptor agonistic activities. European Journal of Pharmaceutical Sciences, 2020, 151, 105386.	1.9	6
1244	Microbiota-gut-brain axis in health and disease: Is NLRP3 inflammasome at the crossroads of microbiota-gut-brain communications?. Progress in Neurobiology, 2020, 191, 101806.	2.8	87
1245	Fucoidan isolated from Ascophyllum nodosum alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice. Food and Function, 2020, 11, 5595-5606.	2.1	36
1246	Effects of normoxic and hypoxic conditions on the immune response and gut microbiota of Bostrichthys sinensis. Aquaculture, 2020, 525, 735336.	1.7	21
1247	Effects of probiotic litchi juice on immunomodulatory function and gut microbiota in mice. Food Research International, 2020, 137, 109433.	2.9	43
1248	Lactobacillus M5 prevents osteoarthritis induced by a high-fat diet in mice. Journal of Functional Foods, 2020, 72, 104039.	1.6	14
1249	Changes in the host transcriptome and microbial metatranscriptome of the ileum of dairy calves subjected to artificial dosing of exogenous rumen contents. Physiological Genomics, 2020, 52, 333-346.	1.0	1
1250	The effect of total glucoside of paeony on gut microbiota in NOD mice with SjÃ¶grenâ€™s syndrome based on high-throughput sequencing of 16SrRNA gene. Chinese Medicine, 2020, 15, 61.	1.6	13
1251	Impacts of foodborne inorganic nanoparticles on the gut microbiota-immune axis: potential consequences for host health. Particle and Fibre Toxicology, 2020, 17, 19.	2.8	93
1252	Is antibiotics use really associated with increased risk of colorectal cancer? An updated systematic review and meta-analysis of observational studies. International Journal of Colorectal Disease, 2020, 35, 1397-1412.	1.0	9
1253	Organic acid blend supplementation increases butyrate and acetate production in ÂSalmonella enterica serovar Typhimurium challenged broilers. PLoS ONE, 2020, 15, e0232831.	1.1	25
1254	Progress in the distribution, toxicity, control, and detoxification of patulin: A review. Toxicon, 2020, 184, 83-93.	0.8	48
1255	Microbial Community and Short-Chain Fatty Acid Mapping in the Intestinal Tract of Quail. Animals, 2020, 10, 1006.	1.0	20
1256	Microbiota Composition of Breast Milk from Women of Different Ethnicity from the Manawatuâ€"Wanganui Region of New Zealand. Nutrients, 2020, 12, 1756.	1.7	10

#	Article	IF	Citations
1257	A novel apidaecin Api-PR19 synergizes with the gut microbial community to maintain intestinal health and promote growth performance of broilers. Journal of Animal Science and Biotechnology, 2020, 11, 61.	2.1	11
1258	RNase I Modulates Escherichia coli Motility, Metabolism, and Resistance. ACS Chemical Biology, 2020, 15, 1996-2004.	1.6	10
1259	Extraoral Taste Receptors. , 2020, , 353-381.		1
1260	Gutâ€“Brain Axis and Neurodegeneration: State-of-the-Art of Meta-Omics Sciences for Microbiota Characterization. International Journal of Molecular Sciences, 2020, 21, 4045.	1.8	46
1261	Liver fibrogenesis: un update on established and emerging basic concepts. Archives of Biochemistry and Biophysics, 2020, 689, 108445.	1.4	15
1262	Chemical Toolbox to Decode the Microbiota Lexicon. Chemistry - an Asian Journal, 2020, 15, 2117-2128.	1.7	4
1263	Evaluation of Microbiota and Weight Alterations After the Administration of Tetracycline and Lactobacillus gasseri in Rats. Current Microbiology, 2020, 77, 2449-2455.	1.0	4
1264	Automatic extraction, prioritization and analysis of gut microbial metabolites from biomedical literature. Scientific Reports, 2020, 10, 9996.	1.6	2
1265	Effects of hypersensitivity disorders and environmental factors on the equine intestinal microbiota. Veterinary Quarterly, 2020, 40, 97-107.	3.0	13
1266	Gut microbiota and aging-A focus on centenarians. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165765.	1.8	45
1267	Uridine Catabolism Breaks the Bonds of Commensalism. Cell Host and Microbe, 2020, 27, 312-314.	5.1	0
1268	Microbial symbioses and host nutrition. , 2020, , 78-97.		1
1269	Tools for probing host-bacteria interactions in the gut microenvironment: From molecular to cellular levels. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127116.	1.0	4
1270	Effects of underfeeding and oral vancomycin on gut microbiome and nutrient absorption in humans. Nature Medicine, 2020, 26, 589-598.	15.2	81
1271	Gut Microbiomes of Endangered Przewalskiâ€™s Horse Populations in Short- and Long-Term Captivity: Implication for Species Reintroduction Based on the Soft-Release Strategy. Frontiers in Microbiology, 2020, 11, 363.	1.5	13
1272	Host and body site-specific adaptation of Lactobacillus crispatus genomes. NAR Genomics and Bioinformatics, 2020, 2, lqaa001.	1.5	21
1273	Burkholderia insecticola triggers midgut closure in the bean bug Riptortus pedestris to prevent secondary bacterial infections of midgut crypts. ISME Journal, 2020, 14, 1627-1638.	4.4	50
1274	An in vitro evaluation of the effects of different statins on the structure and function of human gut bacterial community. PLoS ONE, 2020, 15, e0230200.	1.1	14

#	Article	IF	Citations
1275	The role of gut microbiota in bone homeostasis. Bone, 2020, 135, 115317.	1.4	78
1276	Impact of the gut microbiota on the m6A epitranscriptome of mouse cecum and liver. Nature Communications, 2020, 11, 1344.	5.8	59
1277	A dorsal-ventral gradient of Wnt3a/Î²-catenin signals control hindgut extension and colon formation. Development (Cambridge), 2020, 147, .	1.2	6
1278	Comparison of Gut Microbiota Between Golden and Brown Noble Scallop Chlamys nobilis and Its Association With Carotenoids. Frontiers in Microbiology, 2020, 11, 36.	1.5	16
1279	The Uptake, Trafficking, and Biodistribution of Bacteroides thetaiotaomicron Generated Outer Membrane Vesicles. Frontiers in Microbiology, 2020, 11, 57.	1.5	107
1280	Enhanced modulation of gut microbial dynamics affecting body weight in birds triggered by natural growth promoters administered in conventional feed. Saudi Journal of Biological Sciences, 2020, 27, 2747-2755.	1.8	17
1281	Predicting human microbeâ€“drug associations via graph convolutional network with conditional random field. Bioinformatics, 2020, 36, 4918-4927.	1.8	82
1282	Dynamic Alterations of Gut Microbiota in Porcine Circovirus Type 3-Infected Piglets. Frontiers in Microbiology, 2020, 11, 1360.	1.5	14
1283	Lactobacillus gasseri JM1 with potential probiotic characteristics alleviates inflammatory response by activating the PI3K/Akt signaling pathway in vitro. Journal of Dairy Science, 2020, 103, 7851-7864.	1.4	22
1284	NOD2 Deficiency Promotes Intestinal CD4+ T Lymphocyte Imbalance, Metainflammation, and Aggravates Type 2 Diabetes in Murine Model. Frontiers in Immunology, 2020, 11, 1265.	2.2	17
1285	In Vitro Effects of Ginseng and the Seed of Zizyphus jujuba var. spinosa on Gut Microbiota of Rats with Spleen Deficiency. Chemistry and Biodiversity, 2020, 17, e2000199.	1.0	15
1286	Seasonal Variation and Sexual Dimorphism of the Microbiota in Wild Blue Sheep (Pseudois nayaur). Frontiers in Microbiology, 2020, 11, 1260.	1.5	15
1287	Fighting Microbes with Microbes. , 2020, , 335-347.		4
1288	Host microbiota dictates the proinflammatory impact of LPS in the murine liver. Toxicology in Vitro, 2020, 67, 104920.	1.1	12
1289	The Gut-liver Axis in Immune Remodeling: New insight into Liver Diseases. International Journal of Biological Sciences, 2020, 16, 2357-2366.	2.6	59
1290	Effects of a readyâ€toâ€eat cereal formula powder on glucose metabolism, inflammation, and gut microbiota in diabetic db/db mice. Food Science and Nutrition, 2020, 8, 4523-4533.	1.5	4
1291	Coprophagy prevention alters microbiome, metabolism, neurochemistry, and cognitive behavior in a small mammal. ISME Journal, 2020, 14, 2625-2645.	4.4	62
1292	Metabolite Profiling of the Gut Microbiome in Mice with Dietary Administration of Black Raspberries. ACS Omega, 2020, 5, 1318-1325.	1.6	10

#	Article	IF	Citations
1293	Beyond Taxonomic Analysis of Microbiomes: A Functional Approach for Revisiting Microbiome Changes in Colorectal Cancer. Frontiers in Microbiology, 2019, 10, 3117.	1.5	6
1294	Emerging Priorities for Microbiome Research. Frontiers in Microbiology, 2020, 11, 136.	1.5	113
1295	Dietary encapsulated essential oils and organic acids mixture improves gut health in broiler chickens challenged with necrotic enteritis. Journal of Animal Science and Biotechnology, 2020, 11, 18.	2.1	86
1296	Growth Hormone Deficiency and Excess Alter the Gut Microbiome in Adult Male Mice. Endocrinology, 2020, 161, .	1.4	22
1297	Gutâ€"Joint Axis: The Role of Physical Exercise on Gut Microbiota Modulation in Older People with Osteoarthritis. Nutrients, 2020, 12, 574.	1.7	62
1298	Is the gut microbiota dysbiotic in patients with classical homocystinuria?. Biochimie, 2020, 173, 3-11.	1.3	10
1299	Gut Microbiota as Important Mediator Between Diet and DNA Methylation and Histone Modifications in the Host. Nutrients, 2020, 12, 597.	1.7	30
1300	Early-life microbiota transplantation affects behavioural responses, serotonin and immune characteristics in chicken lines divergently selected on feather pecking. Scientific Reports, 2020, 10, 2750.	1.6	32
1301	Into the wild: microbiome transplant studies need broader ecological reality. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192834.	1.2	21
1302	Long-Term Effects of Multi-Drug-Resistant Tuberculosis Treatment on Gut Microbiota and Its Health Consequences. Frontiers in Microbiology, 2020, 11, 53.	1.5	32
1303	Saikosaponin-d ameliorates dextran sulfate sodium-induced colitis by suppressing NF-Î¹B activation and modulating the gut microbiota in mice. International Immunopharmacology, 2020, 81, 106288.	1.7	59
1304	Use of Antibiotics and Mortality in Women. Circulation Research, 2020, 126, 374-376.	2.0	1
1305	Prebiotic-Induced Anti-tumor Immunity Attenuates Tumor Growth. Cell Reports, 2020, 30, 1753-1766.e6.	2.9	105
1306	Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice. Scientific Reports, 2020, 10, 2217.	1.6	81
1307	Investigation of the impact of gut microbiotas on fertility of stored sperm by types of hens. Poultry Science, 2020, 99, 1174-1184.	1.5	5
1308	Emerging therapeutic targets for osteoporosis. Expert Opinion on Therapeutic Targets, 2020, 24, 115-130.	1.5	16
1309	Gut commensal derived-valeric acid protects against radiation injuries. Gut Microbes, 2020, 11, 789-806.	4.3	99
1310	Overweight and Obesity in Children Are Associated with an Abundance of Firmicutes and Reduction of Bifidobacterium in Their Gastrointestinal Microbiota. Childhood Obesity, 2020, 16, 204-210.	0.8	50

#	Article	IF	Citations
1311	Specific Commensal Bacterium Critically Regulates Gut Microbiota Osteoimmunomodulatory Actions During Normal Postpubertal Skeletal Growth and Maturation. JBMR Plus, 2020, 4, e10338.	1.3	21
1312	Cationic conjugated polymers for enhancing beneficial bacteria adhesion and biofilm formation in gut microbiota. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110815.	2.5	11
1313	Improving Alzheimer's disease by altering gut microbiota in tree shrews with ginsenoside Rg1. FEMS Microbiology Letters, 2020, 367, .	0.7	28
1314	Common specific indigenous bacteria reside in the intestinal tract of Chinese mitten crab () Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.9	2
1315	Muscovy Duck Reovirus Infection Disrupts the Composition of Intestinal Microbiota in Muscovy Ducklings. Current Microbiology, 2020, 77, 769-778.	1.0	10
1316	Deletion of IRF4 in Dendritic Cells Leads to Delayed Onset of T Cellâ€“Dependent Colitis. Journal of Immunology, 2020, 204, 1047-1055.	0.4	10
1317	Wild Melon Seed Oil Reduces Plasma Cholesterol and Modulates Gut Microbiota in Hypercholesterolemic Hamsters. Journal of Agricultural and Food Chemistry, 2020, 68, 2071-2081.	2.4	26
1318	Effects of Dietary Supplementation with Combination of Tributyrin and Essential Oil on Gut Health and Microbiota of Weaned Piglets. Animals, 2020, 10, 180.	1.0	17
1319	Putting the microbiota to work: Epigenetic effects of early life antibiotic treatment are associated with immune-related pathways and reduced epithelial necrosis following Salmonella Typhimurium challenge in vitro. PLoS ONE, 2020, 15, e0231942.	1.1	5
1320	Who marries whom in a surging housing market?â˜†. Journal of Development Economics, 2020, 146, 102492.	2.1	10
1321	Co-cultured non-marine ostracods from a temporary wetland harbor host-specific microbiota of different metabolic profiles. Hydrobiologia, 2020, 847, 2503-2519.	1.0	4
1322	Changes in calf productivity and resistance as a result of using the lactulose-based feed additive. BIO Web of Conferences, 2020, 17, 00170.	0.1	0
1323	Quantification of Bacterial Metabolic Activities in the Gut by <scp>d</scp>â€Amino Acidâ€Based Inâ€…Vivo Labeling. Angewandte Chemie, 2020, 132, 12021-12024.	1.6	19
1324	Quantification of Bacterial Metabolic Activities in the Gut by <scp>d</scp>â€Amino Acidâ€Based Inâ€…Vivo Labeling. Angewandte Chemie - International Edition, 2020, 59, 11923-11926.	7.2	34
1325	Microbiota and metabolites in rheumatic diseases. Autoimmunity Reviews, 2020, 19, 102530.	2.5	23
1326	Applying the core microbiome to understand hostâ€“microbe systems. Journal of Animal Ecology, 2020, 89, 1549-1558.	1.3	200
1327	Sources of epigenetic variation and their applications in natural populations. Evolutionary Applications, 2020, 13, 1262-1278.	1.5	40
1328	Microbiome maturation during a unique developmental window. Molecular Ecology, 2020, 29, 1941-1943.	2.0	1

#	Article	IF	Citations
1329	Intestinal Flora and Disease Mutually Shape the Regional Immune System in the Intestinal Tract. Frontiers in Immunology, 2020, 11, 575.	2.2	152
1330	Gut Microbiome, Intestinal Permeability, and Tissue Bacteria in Metabolic Disease: Perpetrators or Bystanders?. Nutrients, 2020, 12, 1082.	1.7	154
1331	You Are What You Eatâ€"The Relationship between Diet, Microbiota, and Metabolic Disordersâ€"A Review. Nutrients, 2020, 12, 1096.	1.7	185
1332	Deep Sequencing Uncovers Caste-Associated Diversity of Symbionts in the Social Ant Camponotus japonicus. MBio, 2020, 11, .	1.8	8
1333	Dysbacteriosisâ€induced LPS elevation disturbs the development of muscle progenitor cells by interfering with retinoic acid signaling. FASEB Journal, 2020, 34, 6837-6853.	0.2	13
1334	The Microbiota Contributes to the Control of Highly Pathogenic H5N9 Influenza Virus Replication in Ducks. Journal of Virology, 2020, 94, .	1.5	15
1335	Chlamydia muridarum infection differentially alters smooth muscle function in mouse uterine horn and cervix. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E981-E994.	1.8	7
1336	Gut microbiota suggests dependency of Arunachal Macaque (Macaca munzala) on anthropogenic food in Western Arunachal Pradesh, Northeastern India: Preliminary findings. Global Ecology and Conservation, 2020, 22, e01030.	1.0	4
1337	The potential role of interventions impacting on gut-microbiota in epilepsy. Expert Review of Clinical Pharmacology, 2020, 13, 423-435.	1.3	25
1338	Gut Microbiota and Pathogenesis of Organ Injury. Advances in Experimental Medicine and Biology, 2020, , .	0.8	7
1339	(My Microbiome) Would Walk 10,000Âmiles: Maintenance and Turnover of Microbial Communities in Introduced Dung Beetles. Microbial Ecology, 2020, 80, 435-446.	1.4	27
1340	From Nursery to Nursing Home: Emerging Concepts in Clostridioides difficile Pathogenesis. Infection and Immunity, 2020, 88, .	1.0	11
1341	New View on Dietary Fiber Selection for Predictable Shifts in Gut Microbiota. MBio, 2020, 11, .	1.8	65
1342	Characterisation of the gut microbial community of rhesus macaques in high-altitude environments. BMC Microbiology, 2020, 20, 68.	1.3	25
1343	Evaluating the Causal Role of Gut Microbiota in Type 1 Diabetes and Its Possible Pathogenic Mechanisms. Frontiers in Endocrinology, 2020, 11, 125.	1.5	70
1344	Dysbacteriosis-Derived Lipopolysaccharide Causes Embryonic Osteopenia through Retinoic-Acid-Regulated DLX5 Expression. International Journal of Molecular Sciences, 2020, 21, 2518.	1.8	4
1345	Microbiome-Metabolome Signature of Acute Kidney Injury. Metabolites, 2020, 10, 142.	1.3	29
1346	Targeting gut microbiota as a possible therapeutic intervention in autism. , 2020, , 301-327.		2

#	Article	IF	Citations
1347	Revisit the effects of fucoidan on gut microbiota in health and disease: What do we know and what do we need to know?. Bioactive Carbohydrates and Dietary Fibre, 2020, 23, 100221.	1.5	9
1348	Inhibition of Sphingosineâ€1â€Phosphateâ€Induced Th17 Cells Ameliorates Alcoholâ€Associated Steatohepatitis in Mice. Hepatology, 2021, 73, 952-967.	3.6	30
1349	Association Mining to Identify Microbe Drug Interactions Based on Heterogeneous Network Embedding Representation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 266-275.	3.9	23
1350	Diet drives convergent evolution of gut microbiomes in bamboo-eating species. Science China Life Sciences, 2021, 64, 88-95.	2.3	43
1351	Gut microbial metabolism of dietary fibre protects against high energy feeding induced ovarian follicular atresia in a pig model. British Journal of Nutrition, 2021, 125, 38-49.	1.2	17
1352	Bacterial microbiota on digestive structure of Cybister lateralimarginalis torquatus (Fischer von) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	2
1353	Predicting human microbeâ€“disease associations via graph attention networks with inductive matrix completion. Briefings in Bioinformatics, 2021, 22, .	3.2	40
1354	Microbes and complex diseases: from experimental results to computational models. Briefings in Bioinformatics, 2021, 22, .	3.2	29
1355	Association of intestinal fungal communities with the body vesicular syndrome: An emerging disease of sea cucumber (Apostichopus japonicus). Aquaculture, 2021, 530, 735758.	1.7	4
1356	The crucial role of early-life gut microbiota in the development of type 1 diabetes. Acta Diabetologica, 2021, 58, 249-265.	1.2	15
1357	The positive effects of single or conjoint administration of lactic acid bacteria on Channa argus: Digestive enzyme activity, antioxidant capacity, intestinal microbiota and morphology. Aquaculture, 2021, 531, 735852.	1.7	45
1358	Effects of yeast and yeast extract on growth performance, antioxidant ability and intestinal microbiota of juvenile Pacific white shrimp (Litopenaeus vannamei). Aquaculture, 2021, 530, 735941.	1.7	31
1359	Threeâ€Dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. Angewandte Chemie - International Edition, 2021, 60, 3055-3061.	7.2	31
1360	Pectin in diet: Interactions with the human microbiome, role in gut homeostasis, and nutrient-drug interactions. Carbohydrate Polymers, 2021, 255, 117388.	5.1	66
1361	Nutritional Control of Intestinal Stem Cells in Homeostasis and Tumorigenesis. Trends in Endocrinology and Metabolism, 2021, 32, 20-35.	3.1	24
1362	Role of Gut Microbiota in the Skeletal Response to PTH. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 636-645.	1.8	20
1363	Gut immunity in European sea bass (Dicentrarchus labrax): a review. Fish and Shellfish Immunology, 2021, 108, 94-108.	1.6	19
1364	Coarse Cereals and Legume Grains Exert Beneficial Effects through Their Interaction with Gut Microbiota: A Review. Journal of Agricultural and Food Chemistry, 2021, 69, 861-877.	2.4	22

#	Article	IF	Citations
1365	Age Patterning in Wild Chimpanzee Gut Microbiota Diversity Reveals Differences from Humans in Early Life. Current Biology, 2021, 31, 613-620.e3.	1.8	31
1366	Goals in Nutrition Science 2020-2025. Frontiers in Nutrition, 2021, 7, 606378.	1.6	20
1367	Volatility as a Concept to Understand the Impact of Stress on the Microbiome. Psychoneuroendocrinology, 2021, 124, 105047.	1.3	54
1368	Microbiability of meat quality and carcass composition traits in swine. Journal of Animal Breeding and Genetics, 2021, 138, 223-236.	0.8	24
1369	Role of Aeromonas sp. involving in adaptive immune response of adult Lethenteron reissneri. Aquaculture, 2021, 533, 736120.	1.7	1
1370	Threeâ€Đimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. Angewandte Chemie, 2021, 133, 3092-3098.	1.6	1
1371	Breast and gut microbiome in health and cancer. Genes and Diseases, 2021, 8, 581-589.	1.5	50
1372	Management of Type 2 Diabetes: Current Strategies, Unfocussed Aspects, Challenges, and Alternatives. Medical Principles and Practice, 2021, 30, 109-121.	1.1	31
1373	Exposure of lead on intestinal structural integrity and the diversity of gut microbiota of common carp. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 239, 108877.	1.3	38
1374	Gut microbiome profile in psoriatic patients treated and untreated with biologic therapy. Journal of Dermatology, 2021, 48, 786-793.	0.6	11
1375	Quantitative Measurement of Mucolytic Enzymes in Fecal Samples. Bio-protocol, 2021, 11, e3956.	0.2	1
1376	Postnatal colonization of the intestinal tract: Host microbial interactions. , 2021, , 37-47.		0
1377	Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota. Food and Function, 2021, 12, 2489-2497.	2.1	20
1378	Biotin Controls Intestinal Stem Cell Mitosis and Host-Microbiome Interactions. SSRN Electronic Journal, 0, , .	0.4	1
1379	The early gut microbiome and the risk of chronic disease. , 2021, , 239-254.		0
1380	Is there a role of faecal microbiota transplantation in reducing antibiotic resistance burden in gut? A systematic review and Meta-analysis. Annals of Medicine, 2021, 53, 662-681.	1.5	9
1381	Wheat cell walls and constituent polysaccharides induce similar microbiota profiles uponin vitrofermentation despite different short chain fatty acid end-product levels. Food and Function, 2021, 12, 1135-1146.	2.1	10
1382	Dynamic progression of the calfâ€™s microbiome and its influence on host health. Computational and Structural Biotechnology Journal, 2021, 19, 989-1001.	1.9	31

#	Article	IF	Citations
1383	Transkingdom network analysis provides insight into host-microbiome interactions in Atlantic salmon. Computational and Structural Biotechnology Journal, 2021, 19, 1028-1034.	1.9	4
1384	Gut Microbial Changes and their Contribution to Post-Burn Pathology. Shock, 2021, 56, 329-344.	1.0	13
1385	C-Type Lectins and Their Roles in Disease and Immune Homeostasis. , 2021, , 185-214.		1
1386	Lipopolysaccharide Binding Protein and Cardiovascular Changes in Obese Children. Open Journal of Pediatrics, 2021, 11, 225-237.	0.0	0
1387	Use of antimicrobial alternatives in broilers and their impacts on health and productive performance. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	0.6	0
1388	Accurate identification and quantification of commensal microbiota bound by host immunoglobulins. Microbiome, 2021, 9, 33.	4.9	29
1389	Barrier therapies supporting the biology of the mucosal barrier- medical devices for common clinical mucosal disorders. Translational Gastroenterology and Hepatology, 2021, 6, 15-15.	1.5	5
1390	Development of an in vitro coculture device for the investigation of hostâ€“microbe interactions via integrative multiomics approaches. Biotechnology and Bioengineering, 2021, 118, 1593-1604.	1.7	9
1391	The Role of Omic Technologies in the Study of the Human Gut Microbiome. , 2021, , 469-481.		0
1392	The Fecal and Serum Metabolomics of Giant Pandas Based on Untargeted Metabolomics. Zoological Science, 2021, 38, 179-186.	0.3	2
1393	Gut Microbiome Diversity and Composition Are Associated with Habitual Dairy Intakes: A Cross-Sectional Study in Men. Journal of Nutrition, 2021, 151, 3400-3412.	1.3	6
1394	Heterochronic Fecal Microbiota Transfer Reverses Hallmarks of the Aging Murine Gut, Eye and Brain. SSRN Electronic Journal, 0, , .	0.4	3
1395	The gut/liver axis, inflammation, and the pathogenesis of metabolic syndrome. , 2021, , 93-107.		0
1396	Bacteria and Biofilms as Natural Inhabitants of Our Body. , 2021, , 47-71.		2
1397	Body Ownership. , 2021, , 159-193.		0
1398	Bone and the microbiome. , 2021, , 969-988.		0
1399	Bacteriophage as an Alternative to Antibiotics Promotes Growth Performance by Regulating Intestinal Inflammation, Intestinal Barrier Function and Gut Microbiota in Weaned Piglets. Frontiers in Veterinary Science, 2021, 8, 623899.	0.9	35
1401	Insights into SusCD-mediated glycan import by a prominent gut symbiont. Nature Communications, 2021, 12, 44.	5.8	42

#	Article	IF	Citations
1402	Gut Microbiota and Human Body Interactions; Its Impact on Health: A Review. Current Pharmaceutical Biotechnology, 2022, 23, 4-14.	0.9	16
1403	The gut microbiota is a transmissible determinant of skeletal maturation. ELife, 2021, 10, .	2.8	25
1404	The role of gut microbiota in bone homeostasis. Bone and Joint Research, 2021, 10, 51-59.	1.3	32
1405	Intestinal Flora: A Pivotal Role in Investigation of Traditional Chinese Medicine. The American Journal of Chinese Medicine, 2021, 49, 237-268.	1.5	36
1406	Diversityâ€“Function Relationships and the Underlying Ecological Mechanisms in Host-Associated Microbial Communities. Advances in Environmental Microbiology, 2021, , 297-326.	0.1	1
1407	Gutâ€“liverâ€“brain axis in chronic liver disease with a focus on hepatic encephalopathy. , 2021, , 159-185.		1
1408	Modern Germ-Free Study Designs and Emerging Static Housing Technology in a Growing â€œHuman Microbiomeâ€•Research Market. Physiology in Health and Disease, 2021, , 395-429.	0.2	0
1409	Gut microbiota: Poised to assume an overarching role in a wide range of diseases. Nigerian Journal of Gastroenterology and Hepatology, 2021, 13, 1.	0.2	0
1410	Effects of vasoactive drugs on hepatic and intestinal circulation and intestinal barrier in patients with septic shock. Journal of Investigative Medicine, 2021, 69, 833-837.	0.7	1
1411	Pre and Post-Operative Alterations of the Gastrointestinal Microbiome Following Bariatric Surgery. Cureus, 2021, 13, e13057.	0.2	3
1412	DNA methylation as a regulator of intestinal gene expression. British Journal of Nutrition, 2021, 126, 1611-1625.	1.2	8
1413	Bacillus amyloliquefaciens TL Downregulates the Ileal Expression of Genes Involved in Immune Responses in Broiler Chickens to Improve Growth Performance. Microorganisms, 2021, 9, 382.	1.6	7
1415	Ingestion of probiotic (Lactobacillus helveticus and Bifidobacterium longum) alters intestinal microbial structure and behavioral expression following social defeat stress. Scientific Reports, 2021, 11, 3763.	1.6	31
1416	Nutritional Approach Targeting Gut Microbiota in NAFLDâ€”To Date. International Journal of Environmental Research and Public Health, 2021, 18, 1616.	1.2	9
1417	Enumeration and characterization of bacteria from civet gastrointestinal tract. IOP Conference Series: Earth and Environmental Science, 2021, 667, 012002.	0.2	1
1418	Antidepressants fluoxetine and amitriptyline induce alterations in intestinal microbiota and gut microbiome function in rats exposed to chronic unpredictable mild stress. Translational Psychiatry, 2021, 11, 131.	2.4	73
1419	Effect of nanoemulsion loading finger citron (Citrus medica L. var. Sarcodactylis) essential oil on human gut microbiota. Journal of Functional Foods, 2021, 77, 104336.	1.6	8
1420	No impact of a short-term climatic â€œEl NiÃ±oâ€•fluctuation on gut microbial diversity in populations of the GalÃ¡pagos marine iguana (Amblyrhynchus cristatus). Die Naturwissenschaften, 2021, 108, 7.	0.6	4

#	Article	IF	Citations
1421	Anti-Inflammatory and Immunomodulatory Effects of Probiotics in Gut Inflammation: A Door to the Body. Frontiers in Immunology, 2021, 12, 578386.	2.2	278
1422	Gut Microbiota in Decapod Shrimps: Evidence of Phylosymbiosis. Microbial Ecology, 2021, 82, 994-1007.	1.4	8
1423	Constipation â€“ actual problem in pregnancy. Reproductive Health of Woman, 0, 1, 33-38.	0.0	0
1424	Impact of Altered Gut Microbiota and Its Metabolites in Cystic Fibrosis. Metabolites, 2021, 11, 123.	1.3	33
1425	COVID-19: Immunology, Immunopathogenesis and Potential Therapies. International Reviews of Immunology, 2022, 41, 171-206.	1.5	30
1426	Escherichia coli Exopolysaccharides Induced by Ceftriaxone Regulated Human Gut Microbiota in vitro. Frontiers in Microbiology, 2021, 12, 634204.	1.5	3
1427	Role of Probiotics and Their Metabolites in Inflammatory Bowel Diseases (IBDs). Gastroenterology Insights, 2021, 12, 56-66.	0.7	22
1429	Modulating Gut Microbiota: An Emerging Approach in the Prevention and Treatment of Multiple Sclerosis. Current Neuropharmacology, 2021, 19, 1966-1983.	1.4	9
1430	Oral Sub-Chronic Ochratoxin a Exposure Induces Gut Microbiota Alterations in Mice. Toxins, 2021, 13, 106.	1.5	14
1431	Gut Microbial Composition Differs Extensively among Indian Native Chicken Breeds Originated in Different Geographical Locations and a Commercial Broiler Line, but Breed-Specific, as Well as Across-Breed Core Microbiomes, Are Found. Microorganisms, 2021, 9, 391.	1.6	19
1432	Reflections on the Use of an Invertebrate Chordate Model System for Studies of Gut Microbial Immune Interactions. Frontiers in Immunology, 2021, 12, 642687.	2.2	13
1433	Antibiotics Modulate Intestinal Regeneration. Biology, 2021, 10, 236.	1.3	6
1434	Early-Life Development of the Bifidobacterial Community in the Infant Gut. International Journal of Molecular Sciences, 2021, 22, 3382.	1.8	28
1435	Characterization of Apis mellifera Gastrointestinal Microbiota and Lactic Acid Bacteria for Honeybee Protectionâ€”A Review. Cells, 2021, 10, 701.	1.8	55
1437	Dual oxidase enables insect gut symbiosis by mediating respiratory network formation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
1438	Comparative Analysis of Gut Microbiota in Captive and Wild Oriental White Storks: Implications for Conservation Biology. Frontiers in Microbiology, 2021, 12, 649466.	1.5	17
1439	The role of gut microbiota in the pathogenesis and treatment of acute pancreatitis: a narrative review. Annals of Palliative Medicine, 2021, 10, 3445-3451.	0.5	10
1440	PPARÎ³: The Central Mucus Barrier Coordinator in Ulcerative Colitis. Inflammatory Bowel Diseases, 2021, 27, 732-741.	0.9	10

#	Article	IF	Citations
1441	The microbiota plays a critical role in the reactivity of lung immune components to innate ligands. FASEB Journal, 2021, 35, e21348.	0.2	7
1442	Adaptation of Gut Microbiome to Transgenic Pigs Secreting Î²-Glucanase, Xylanase, and Phytase. Frontiers in Genetics, 2021, 12, 631071.	1.1	2
1443	Dysbiosis From a Microbial and Host Perspective Relative to Oral Health and Disease. Frontiers in Microbiology, 2021, 12, 617485.	1.5	25
1444	Intestine-on-a-chip: Next level inÂvitro research model of the human intestine. Current Opinion in Toxicology, 2021, 25, 6-14.	2.6	22
1445	Diet and the Microbiotaâ€“Gutâ€“Brain Axis: Sowing the Seeds of Good Mental Health. Advances in Nutrition, 2021, 12, 1239-1285.	2.9	125
1446	The Role of Intestinal Flora in the Regulation of Bone Homeostasis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 579323.	1.8	20
1447	The gutâ€“joint axis in rheumatoid arthritis. Nature Reviews Rheumatology, 2021, 17, 224-237.	3.5	160
1448	Evolutionary and Ecological Considerations on Nectar-Mediated Tripartite Interactions in Angiosperms and Their Relevance in the Mediterranean Basin. Plants, 2021, 10, 507.	1.6	5
1449	Gut microbiome, body weight, and mammographic breast density in healthy postmenopausal women. Cancer Causes and Control, 2021, 32, 681-692.	0.8	8
1451	Heat stress on microbiota composition, barrier integrity, and nutrient transport in gut, production performance, and its amelioration in farm animals. Journal of Animal Science and Technology, 2021, 63, 211-247.	0.8	56
1452	The impact of probiotics on gut health via alternation of immune status of monogastric animals. Animal Nutrition, 2021, 7, 24-30.	2.1	35
1453	Therapeutic Approach of Probiotics in Children with Atopic Dermatitis. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2021, 20, 2-9.	1.1	6
1454	Gut microbiota-brain interaction: An emerging immunotherapy for traumatic brain injury. Experimental Neurology, 2021, 337, 113585.	2.0	14
1455	Dietary use of Rosmarinus officinalis and Thymus vulgaris as anticoccidial alternatives in poultry. Animal Feed Science and Technology, 2021, 273, 114826.	1.1	13
1456	Suppression of obesity and inflammation by polysaccharide from sporoderm-broken spore of Ganoderma lucidum via gut microbiota regulation. Carbohydrate Polymers, 2021, 256, 117594.	5.1	128
1457	Taxonomic composition and variation in the gut microbiota of laboratory mice. Mammalian Genome, 2021, 32, 297-310.	1.0	9
1458	Microbiome-immune interactions in tuberculosis. PLoS Pathogens, 2021, 17, e1009377.	2.1	28
1459	Advances in Microbiome Detection Technologies and Application in Antirheumatic Drug Design. Current Pharmaceutical Design, 2021, 27, 891-899.	0.9	0

#	Article	IF	Citations
1460	Nutraceuticals Induced Changes in the Broiler Gastrointestinal Tract Microbiota. MSystems, 2021, 6, .	1.7	10
1461	Gut Microbial Metabolites in Parkinsonâ€™s Disease: Implications of Mitochondrial Dysfunction in the Pathogenesis and Treatment. Molecular Neurobiology, 2021, 58, 3745-3758.	1.9	20
1462	Evaluation of the Mechanisms Underlying Amino Acid and Microbiota Interactions in Intestinal Infections Using Germ-Free Animals. Infectious Microbes & Diseases, 2021, 3, 79-86.	0.5	8
1463	The Succession of the Gut Microbiota in Insects: A Dynamic Alteration of the Gut Microbiota During the Whole Life Cycle of Honey Bees (Apis cerana). Frontiers in Microbiology, 2021, 12, 513962.	1.5	17
1464	Gut microbes in gastrointestinal cancers. Seminars in Cancer Biology, 2022, 86, 967-975.	4.3	7
1466	Gut Bacterial and Fungal Communities of the Wild and Laboratory-Reared Thitarodes Larvae, Host of the Chinese Medicinal Fungus Ophiocordyceps sinensis on Tibetan Plateau. Insects, 2021, 12, 327.	1.0	13
1468	Anti-Inflammatory Effect on Colitis and Modulation of Microbiota by Fermented Plant Extract Supplementation. Fermentation, 2021, 7, 55.	1.4	3
1469	Genomes of Gut Bacteria from Nasonia Wasps Shed Light on Phylosymbiosis and Microbe-Assisted Hybrid Breakdown. MSystems, 2021, 6, .	1.7	9
1470	Antibiotics: Conventional Therapy and Natural Compounds with Antibacterial Activityâ€”A Pharmaco-Toxicological Screening. Antibiotics, 2021, 10, 401.	1.5	45
1471	Riboflavin instability is a key factor underlying the requirement of a gut microbiota for mosquito development. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
1473	Fecal and Duodenal Microbiota in Pediatric Celiac Disease. Frontiers in Pediatrics, 2021, 9, 652208.	0.9	21
1474	TLR7 and IL-6 differentially regulate the effects of rotarod exercise on the transcriptomic profile and neurogenesis to influence anxiety and memory. IScience, 2021, 24, 102384.	1.9	5
1475	Calf Diarrhea Caused by Prolonged Expansion of Autochthonous Gut Enterobacteriaceae and Their Lytic Bacteriophages. MSystems, 2021, 6, .	1.7	15
1476	Does modern research validate the ancient wisdom of gut flora and brain connection? A literature review of gut dysbiosis in neurological and neurosurgical disorders over the last decade. Neurosurgical Review, 2021, , 1.	1.2	3
1477	Exposure to environmentally relevant oxytetracycline induced gut histopathological damages and microbiota alterations of Pelophylax nigromaculatus larvae. Aquaculture Research, 2021, 52, 4526-4537.	0.9	4
1478	Agastache rugosa ethanol extract suppresses bone loss via induction of osteoblast differentiation with alteration of gut microbiota. Phytomedicine, 2021, 84, 153517.	2.3	10
1479	Exploring marine endosymbiosis systems with omics techniques. Science China Life Sciences, 2021, 64, 1013-1016.	2.3	4
1480	Konjac Oligosaccharides Modulate the Gut Environment and Promote Bone Health in Calcium-Deficient Mice. Journal of Agricultural and Food Chemistry, 2021, 69, 4412-4422.	2.4	16

#	Article	IF	Citations
1481	Impact of encapsulating probiotics with cocoa powder on the viability of probiotics during chocolate processing, storage, and in vitro gastrointestinal digestion. Journal of Food Science, 2021, 86, 1629-1641.	1.5	15
1483	Prenatal stress effects on offspring brain and behavior: Mediators, alterations and dysregulated epigenetic mechanisms. Journal of Biosciences, 2021, 46, 1.	0.5	14
1484	Deciphering Gut Microbiota Dysbiosis and Corresponding Genetic and Metabolic Dysregulation in Psoriasis Patients Using Metagenomics Sequencing. Frontiers in Cellular and Infection Microbiology, 2021, 11, 605825.	1.8	24
1485	Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes. Biology, 2021, 10, 348.	1.3	16
1486	Imaging Commensal Microbiota and Pathogenic Bacteria in the Gut. Accounts of Chemical Research, 2021, 54, 2076-2087.	7.6	37
1487	Metabolomic Profiles in the Intestine of Shrimp Infected by White Spot Syndrome Virus and Antiviral Function of the Metabolite Linoleic Acid in Shrimp. Journal of Immunology, 2021, 206, 2075-2087.	0.4	20
1489	Understanding the cross-talk between human microbiota and gastrointestinal cancer for developing potential diagnostic and prognostic biomarkers. Seminars in Cancer Biology, 2022, 86, 643-651.	4.3	20
1490	Slimy partners: the mucus barrier and gut microbiome in ulcerative colitis. Experimental and Molecular Medicine, 2021, 53, 772-787.	3.2	86
1491	Dysregulation of the gut-brain-skin axis and key overlapping inflammatory and immune mechanisms of psoriasis and depression. Biomedicine and Pharmacotherapy, 2021, 137, 111065.	2.5	35
1492	Dysbacteriosis induces abnormal neurogenesis via LPS in a pathway requiring NF-Î²B/IL-6. Pharmacological Research, 2021, 167, 105543.	3.1	12
1493	Diet, habitat environment and lifestyle conversion affect the gut microbiomes of giant pandas. Science of the Total Environment, 2021, 770, 145316.	3.9	27
1494	Rifaximin: unique selective antibiotic for the treatment of gastrointestinal diseases. Meditsinskiy Sovet, 2021, , 167-174.	0.1	0
1496	Modulating T Follicular Cells In Vivo Enhances Antigen-Specific Humoral Immunity. Journal of Immunology, 2021, 206, 2583-2595.	0.4	0
1497	Impaired bloodâ€brain barrier in the microbiotaâ€gutâ€brain axis: Potential role of bipolar susceptibility gene TRANK1. Journal of Cellular and Molecular Medicine, 2021, 25, 6463-6469.	1.6	8
1498	Gut Dysbiosis Associated with Antibiotics and Disease Severity and Its Relation to Mortality in Critically Ill Patients. Digestive Diseases and Sciences, 2022, 67, 2420-2432.	1.1	19
1499	Prevotella histicola Protects From Arthritis by Expansion of Allobaculum and Augmenting Butyrate Production in Humanized Mice. Frontiers in Immunology, 2021, 12, 609644.	2.2	53
1500	Gut microbiota contributes to sexual dimorphism in murine autoimmune cholangitis. Journal of Leukocyte Biology, 2021, 110, 1121-1130.	1.5	6
1501	Oral Administration of Brain Protein Combined With Probiotics Induces Immune Tolerance Through the Tryptophan Pathway. Frontiers in Molecular Neuroscience, 2021, 14, 634631.	1.4	13

#	Article	IF	Citations
1502	Microbe-based therapies for colorectal cancer: Advantages and limitations. Seminars in Cancer Biology, 2022, 86, 652-665.	4.3	21
1503	Seasonal Variation in Gut Microbiota Related to Diet in Fejervarya limnocharis. Animals, 2021, 11, 1393.	1.0	20
1504	Nanoplastic-Induced Genotoxicity and Intestinal Damage in Freshwater Benthic Clams (Corbicula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.3	138
1505	The Role of the Microbiome in Liver Cancer. Cancers, 2021, 13, 2330.	1.7	16
1506	Effect of Vitamin A Supplementation on Growth Performance, Serum Biochemical Parameters, Intestinal Immunity Response and Gut Microbiota in American Mink (Neovison vison). Animals, 2021, 11, 1577.	1.0	11
1507	Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation. British Journal of Nutrition, 2021, , 1-16.	1.2	7
1508	Microbial regulation of enteroendocrine cells. Med, 2021, 2, 553-570.	2.2	17
1509	Circulating bacterial signature is linked to metabolic disease and shifts with metabolic alleviation after bariatric surgery. Genome Medicine, 2021, 13, 105.	3.6	14
1510	Positive influence of gut microbiota on the effects of Korean red ginseng in metabolic syndrome: a randomized, double-blind, placebo-controlled clinical trial. EPMA Journal, 2021, 12, 177-197.	3.3	15
1511	The influence of exercise training volume alterations on the gut microbiome in highlyâ€trained middleâ€distance runners. European Journal of Sport Science, 2022, 22, 1222-1230.	1.4	16
1512	Dietâ€“Microbiota Interactions Alter Mosquito Development. Frontiers in Microbiology, 2021, 12, 650743.	1.5	19
1513	Gut microbiota and bone metabolism. FASEB Journal, 2021, 35, e21740.	0.2	39
1514	Maternal Antibiotic Treatment Disrupts the Intestinal Microbiota and Intestinal Development in Neonatal Mice. Frontiers in Microbiology, 2021, 12, 684233.	1.5	8
1515	The associations of gut microbiota and fecal short-chain fatty acids with bone mass were largely mediated by weight status: a cross-sectional study. European Journal of Nutrition, 2021, 60, 4505-4517.	1.8	5
1516	Lactobacillus strains derived from human gut ameliorate metabolic disorders via modulation of gut microbiota composition and short-chain fatty acids metabolism. Beneficial Microbes, 2021, 12, 267-281.	1.0	12
1517	Modulation of Gut Microbiota for the Prevention and Treatment of COVID-19. Journal of Clinical Medicine, 2021, 10, 2903.	1.0	25
1518	Genome-Inferred Correspondence between Phylogeny and Metabolic Traits in the Wild Drosophila Gut Microbiome. Genome Biology and Evolution, 2021, 13, .	1.1	5
1519	Gut health: The results of microbial and mucosal immune interactions in pigs. Animal Nutrition, 2021, 7, 282-294.	2.1	31

#	Article	IF	Citations
1520	Effect of Red Orange and Lemon Extract-Enriched Diet in Suckling Lambsâ€™ Fecal Microbiota. Agriculture (Switzerland), 2021, 11, 572.	1.4	9
1521	Intestinal Microbiota in Common Chronic Inflammatory Disorders Affecting Children. Frontiers in Immunology, 2021, 12, 642166.	2.2	15
1522	Development of the infant gut microbiome predicts temperament across the first year of life. Development and Psychopathology, 2022, 34, 1914-1925.	1.4	10
1523	The microbiome mediates the interaction between predation and heavy metals. Science of the Total Environment, 2021, 775, 145144.	3.9	5
1525	Gut microbiota signature in treatment-naÃ¯ve attention-deficit/hyperactivity disorder. Translational Psychiatry, 2021, 11, 382.	2.4	25
1526	Life History Recorded in the Vagino-cervical Microbiome Along with Multi-omes. Genomics, Proteomics and Bioinformatics, 2022, 20, 304-321.	3.0	18
1527	The Mammalian Metaorganism: A Holistic View on How Microbes of All Kingdoms and Niches Shape Local and Systemic Immunity. Frontiers in Immunology, 2021, 12, 702378.	2.2	14
1529	Captivity reduces diversity and shifts composition of the Brown Kiwi microbiome. Animal Microbiome, 2021, 3, 48.	1.5	36
1530	Age-Matching in Pediatric Fecal Matter Transplants. Frontiers in Pediatrics, 2021, 9, 603423.	0.9	1
1531	Wheat/Gluten-Related Disorders and Gluten-Free Diet Misconceptions: A Review. Foods, 2021, 10, 1765.	1.9	34
1532	Getting on in Old Age: How the Gut Microbiota Interferes With Brain Innate Immunity. Frontiers in Cellular Neuroscience, 2021, 15, 698126.	1.8	12
1533	Composition and diversity of gut microbiota in Pomacea canaliculata in sexes and between developmental stages. BMC Microbiology, 2021, 21, 200.	1.3	15
1534	Fibra dietaria y microbiota, revisiÃ³n narrativa de un grupo de expertos de la AsociaciÃ³n Mexicana de GastroenterologÃa. Revista De GastroenterologÃa De MÃ©xico, 2021, 86, 287-304.	0.4	9
1535	Effects of Rhamnolipids on Growth Performance, Immune Function, and Cecal Microflora in Linnan Yellow Broilers Challenged with Lipopolysaccharides. Antibiotics, 2021, 10, 905.	1.5	6
1536	Type VI secretion system killing by commensal Neisseria is influenced by expression of type four pili. ELife, 2021, 10, .	2.8	19
1538	The Impact of Gut Microbiota on Radiation-Induced Enteritis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 586392.	1.8	61
1539	The Microbiota-Gut-Brain Axis in Health and Disease and Its Implications for Translational Research. Frontiers in Cellular Neuroscience, 2021, 15, 698172.	1.8	50
1540	Alteration of the Fecal but Not Salivary Microbiome in Patients with BehÃ§etâ€™s Disease According to Disease Activity Shift. Microorganisms, 2021, 9, 1449.	1.6	10

#	Article	IF	Citations
1541	Nanotargeting of Resistant Infections with a Special Emphasis on the Biofilm Landscape. Bioconjugate Chemistry, 2021, 32, 1411-1430.	1.8	16
1542	Nutritional Interventions Targeting Gut Microbiota during Cancer Therapies. Microorganisms, 2021, 9, 1469.	1.6	6
1543	High ambient temperature exposure during late gestation disrupts glycolipid metabolism and hepatic mitochondrial function tightly related to gut microbial dysbiosis in pregnant mice. Microbial Biotechnology, 2021, 14, 2116-2129.	2.0	9
1544	Prioritizing Disease-Related Microbes Based on the Topological Properties of a Comprehensive Network. Frontiers in Microbiology, 2021, 12, 685549.	1.5	2
1545	New insights into the microbiota of wild mice. Mammalian Genome, 2021, 32, 311-318.	1.0	4
1546	Dysbiosis of Fecal Microbiota From Complement 3 Knockout Mice With Constipation Phenotypes Contributes to Development of Defecation Delay. Frontiers in Physiology, 2021, 12, 650789.	1.3	15
1547	Impact of 6-Month Exposure to Aerosols From Potential Modified Risk Tobacco Products Relative to Cigarette Smoke on the Rodent Gastrointestinal Tract. Frontiers in Microbiology, 2021, 12, 587745.	1.5	4
1548	Dietary fiber and the microbiota: A narrative review by a group of experts from the AsociaciÃ³n Mexicana de GastroenterologÃa. Revista De GastroenterologÃa De MÃ©xico (English Edition), 2021, 86, 287-304.	0.1	13
1549	Impact of Chronic Tetracycline Exposure on Human Intestinal Microbiota in a Continuous Flow Bioreactor Model. Antibiotics, 2021, 10, 886.	1.5	9
1551	Inflammatory Bowel Diseases and Sarcopenia: The Role of Inflammation and Gut Microbiota in the Development of Muscle Failure. Frontiers in Immunology, 2021, 12, 694217.	2.2	57
1552	Maternal Obesity Increases Oxidative Stress in Placenta and It Is Associated With Intestinal Microbiota. Frontiers in Cellular and Infection Microbiology, 2021, 11, 671347.	1.8	15
1553	Response of Fecal Bacterial Flora to the Exposure of Fumonisin B1 in BALB/c Mice. Toxins, 2021, 13, 612.	1.5	3
1554	Microbiota Perturbation or Elimination Can Inhibit Normal Development and Elicit a Starvation-Like Response in an Omnivorous Model Invertebrate. MSystems, 2021, 6, e0080221.	1.7	11
1555	Decisive Effects of Life Stage on the Gut Microbiota Discrepancy Between Two Wild Populations of Hibernating Asiatic Toads (Bufo gargarizans). Frontiers in Microbiology, 2021, 12, 665849.	1.5	6
1556	Ginsenoside Rk3 alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice. Food Research International, 2021, 146, 110465.	2.9	29
1557	Design and development of smart monitoring module for detection of virus. Measurement: Sensors, 2021, 16, 100048.	1.3	0
1558	Microbiota intestinal y salud. GastroenterologÃa Y HepatologÃa, 2021, 44, 519-535.	0.2	21
1559	Plantâ€bacteria associations are phylogenetically structured in the phyllosphere. Molecular Ecology, 2021, 30, 5572-5587.	2.0	15

#	Article	IF	Citations
1560	Mucosal immunoglobulins of teleost fish: A decade of advances. Developmental and Comparative Immunology, 2021, 121, 104079.	1.0	68
1561	Drivers of change and stability in the gut microbiota of an omnivorous avian migrant exposed to artificial food supplementation. Molecular Ecology, 2021, 30, 4723-4739.	2.0	16
1562	Microbial composition differs between production systems and is associated with growth performance and carcass quality in pigs. Animal Microbiome, 2021, 3, 57.	1.5	7
1563	Inflammation-type dysbiosis of the oral microbiome associates with the duration of COVID-19 symptoms and long COVID. JCI Insight, 2021, 6, .	2.3	92
1564	Gut microbes and health. GastroenterologÃa Y HepatologÃa (English Edition), 2021, 44, 519-535.	0.0	8
1565	Metagenomic Survey of the Highly Polyphagous Anastrepha ludens Developing in Ancestral and Exotic Hosts Reveals the Lack of a Stable Microbiota in Larvae and the Strong Influence of Metamorphosis on Adult Gut Microbiota. Frontiers in Microbiology, 2021, 12, 685937.	1.5	10
1566	Progress in treatment of type 2 diabetes by bariatric surgery. World Journal of Diabetes, 2021, 12, 1187-1199.	1.3	11
1567	Pilot Trial of Vitamin D3 and Calcifediol in Healthy Vitamin D Deficient Adults: Does It Change the Fecal Microbiome?. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 3464-3476.	1.8	2
1568	Brown adipose tissue is the key depot for glucose clearance in microbiota depleted mice. Nature Communications, 2021, 12, 4725.	5.8	25
1569	Maternal Gut Dysbiosis Alters Offspring Microbiota and Social Interactions. Microorganisms, 2021, 9, 1742.	1.6	5
1570	Assessing the Influence of Environmental Sources on the Gut Mycobiome of Tibetan Macaques. Frontiers in Microbiology, 2021, 12, 730477.	1.5	3
1571	Review: The development of the gastrointestinal tract microbiota and intervention in neonatal ruminants. Animal, 2021, 15, 100316.	1.3	25
1572	The Gut Microbiome, Metformin, and Aging. Annual Review of Pharmacology and Toxicology, 2022, 62, 85-108.	4.2	28
1573	Longitudinal variations in the gastrointestinal microbiome of the white shrimp, Litopenaeus vannamei. PeerJ, 2021, 9, e11827.	0.9	20
1574	Predictive and Preventive Potential of Preoperative Gut Microbiota in Chronic Postoperative Pain in Breast Cancer Survivors. Anesthesia and Analgesia, 2022, 134, 699-709.	1.1	10
1575	Lacticaseibacillus rhamnosus GG and Saccharomyces cerevisiae boulardii supplementation exert protective effects on human gut microbiome following antibiotic administration in vitro. Beneficial Microbes, 2021, 12, 365-379.	1.0	10
1576	Ingestible devices for long-term gastrointestinal residency: a review. Progress in Biomedical Engineering, 2021, 3, 042001.	2.8	17
1577	Tibetan Medical Paradigms for the SARS-CoV-2 Pandemic. Asian Medicine, 2021, 16, 89-127.	0.2	3

#	Article	IF	Citations
1578	Microbial community in human gut: a therapeutic prospect and implication in health and diseases. Letters in Applied Microbiology, 2021, 73, 553-568.	1.0	4
1579	Interactions of Bacteriophages with Animal and Human Organismsâ€"Safety Issues in the Light of Phage Therapy. International Journal of Molecular Sciences, 2021, 22, 8937.	1.8	38
1580	Global analysis of Saccharomyces cerevisiae growth in mucin. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	1
1581	Natural versus Laboratory World: Incorporating Wild-Derived Microbiota into Preclinical Rodent Models. Journal of Immunology, 2021, 207, 1703-1709.	0.4	4
1582	Dysbiosis, Host Metabolism, and Non-communicable Diseases: Trialogue in the Inborn Errors of Metabolism. Frontiers in Physiology, 2021, 12, 716520.	1.3	15
1583	The Effects of Intermittent Fasting on Brain and Cognitive Function. Nutrients, 2021, 13, 3166.	1.7	36
1584	Effects of gut microbiotaâ€"derived extracellular vesicles on obesity and diabetes and their potential modulation through diet. Journal of Physiology and Biochemistry, 2022, 78, 485-499.	1.3	31
1585	The Gut Microbiome and Sex Hormone-Related Diseases. Frontiers in Microbiology, 2021, 12, 711137.	1.5	58
1586	Molecular and Cellular Mediators of the Gut-Liver Axis in the Progression of Liver Diseases. Frontiers in Medicine, 2021, 8, 725390.	1.2	30
1587	The neuromicrobiology of Parkinsonâ€™s disease: A unifying theory. Ageing Research Reviews, 2021, 70, 101396.	5.0	24
1588	Immunosuppressive therapy after solid organ transplantation and the gut microbiota: Bidirectional interactions with clinical consequences. American Journal of Transplantation, 2022, 22, 1014-1030.	2.6	29
1590	Metabolites profiling reveals gut microbiome-mediated biotransformation of green tea polyphenols in the presence of N-nitrosamine as pro-oxidant. Food Chemistry, 2022, 371, 131147.	4.2	11
1591	Managing the bacterial contamination risk in an axenic mice animal facility. Canadian Journal of Microbiology, 2021, 67, 657-666.	0.8	2
1592	Lactic Acid Bacteria â€" A Promising Tool for Controlling Chicken Campylobacter Infection. Frontiers in Microbiology, 2021, 12, 703441.	1.5	18
1593	The Role of Gut Microbiota and Gutâ€"Brain Interplay in Selected Diseases of the Central Nervous System. International Journal of Molecular Sciences, 2021, 22, 10028.	1.8	41
1594	The Role of Polyphenols in Regulation of Heat Shock Proteins and Gut Microbiota in Weaning Stress. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	1.9	6
1595	Landscapes and bacterial signatures of mucosa-associated intestinal microbiota in Chilean and Spanish patients with inflammatory bowel disease. Microbial Cell, 2021, 8, 223-238.	1.4	11
1596	The Gut-Lung Axis in Cystic Fibrosis. Journal of Bacteriology, 2021, 203, e0031121.	1.0	44

#	Article	IF	Citations
1597	Bacterial Quorum-Sensing Regulation Induces Morphological Change in a Key Host Tissue during the Euprymna scolopes-Vibrio fischeri Symbiosis. MBio, 2021, 12, e0240221.	1.8	13
1598	Dynamic changes in the intestinal microbial community of two time-aged soils under combined cadmium and ciprofloxacin contaminated conditions. Science of the Total Environment, 2022, 806, 150558.	3.9	2
1599	Gut Microbiota-Modulated Metabolomic Profiling Shapes the Etiology and Pathogenesis of Autoimmune Diseases. Microorganisms, 2021, 9, 1930.	1.6	9
1600	The appropriate dose of Bacillus cereus improves the homeostasis of intestinal microbiota but does not significantly influence microbial functions in Paramisgurnus dabryanus. Aquaculture Research, 2022, 53, 612-624.	0.9	3
1601	Coronavirus disease 2019 and the gutâ€“lung axis. International Journal of Infectious Diseases, 2021, 113, 300-307.	1.5	23
1602	Effect of dietary histamine on intestinal morphology, inflammatory status, and gut microbiota in yellow catfish (Pelteobagrus fulvidraco). Fish and Shellfish Immunology, 2021, 117, 95-103.	1.6	17
1603	Monascus ruber fermented Panax ginseng ameliorates lipid metabolism disorders and modulate gut microbiota in rats fed a high-fat diet. Journal of Ethnopharmacology, 2021, 278, 114300.	2.0	18
1604	Triphenyltin exposure causes changes in health-associated gut microbiome and metabolites in marine medaka. Environmental Pollution, 2021, 288, 117751.	3.7	18
1605	MicroRNA-based host response to toxicant exposure is influenced by the presence of gut microbial populations. Science of the Total Environment, 2021, 797, 149130.	3.9	2
1606	The role of microbiota in respiratory health and diseases, particularly in tuberculosis. Biomedicine and Pharmacotherapy, 2021, 143, 112108.	2.5	22
1607	Response to Bombyx mori nucleopolyhedrovirus infection in silkworm: Gut metabolites and microbiota. Developmental and Comparative Immunology, 2021, 125, 104227.	1.0	11
1608	Microbiome and microbiota. Ege TÄ±p Dergisi, 0, , 88-93.	0.1	3
1609	Gut microbiota on human health and disease. , 2021, , 269-281.		1
1610	Healthy Intestinal Function Relies on Coordinated Enteric Nervous System, Immune System, and Epithelium Responses. Gut Microbes, 2021, 13, 1-14.	4.3	13
1611	The Functional Evolution of Termite Gut Microbiota. SSRN Electronic Journal, 0, , .	0.4	0
1612	Pectin supplement significantly enhanced the anti-PD-1 efficacy in tumor-bearing mice humanized with gut microbiota from patients with colorectal cancer. Theranostics, 2021, 11, 4155-4170.	4.6	84
1613	The Protective Role of Butyrate against Obesity and Obesity-Related Diseases. Molecules, 2021, 26, 682.	1.7	132
1614	MGATMDA: Predicting microbe-disease associations via multi-component graph attention network. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, PP, 1-1.	1.9	15

#	Article	IF	Citations
1615	The Human Microbiome. The Microbiomes of Humans, Animals, Plants, and the Environment, 2021, , 1-28.	0.2	1
1616	Gut Microbiota Dysbiosis and COVID-19: Possible Links. , 2022, , 535-544.		5
1617	Omics and the Biosemiotic Interaction of Food with Body, Mind, and Health. Biosemiotics Bookseries, 2021, , 183-196.	0.3	0
1618	Regulatory effects of transition metals supplementation/deficiency on the gut microbiota. Applied Microbiology and Biotechnology, 2021, 105, 1007-1015.	1.7	19
1619	Predicting Microbe-Disease Association Based on Multiple Similarities and LINE Algorithm. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 2399-2408.	1.9	8
1620	Mapping the colorectal tumor microbiota. Gut Microbes, 2021, 13, 1-10.	4.3	10
1621	Host development overwhelms environmental dispersal in governing the ecological succession of zebrafish gut microbiota. Npj Biofilms and Microbiomes, 2021, 7, 5.	2.9	64
1622	Natural Food Antimicrobials of Animal Origin. , 2017, , 55-83.		2
1623	Gut Microbiota and Cancer of the Host: Colliding Interests. Advances in Experimental Medicine and Biology, 2020, 1219, 93-107.	0.8	21
1624	Global Microbiome for Agroecology, Industry, and Human Well-Being: Opportunities and Challenges in Climate Change. SpringerBriefs in Ecology, 2015, , 125-152.	0.2	2
1625	Cross Talk Between Bacteria and the Host Epigenetic Machinery. Epigenetics and Human Health, 2017, , 113-158.	0.2	14
1626	CMFHMDA: Collaborative Matrix Factorization for Human Microbe-Disease Association Prediction. Lecture Notes in Computer Science, 2017, , 261-269.	1.0	13
1627	Lactic Acid Bacteria and the Human Gastrointestinal Tract. , 2014, , 375-441.		3
1628	Gut Microbiota and Heart, Vascular Injury. Advances in Experimental Medicine and Biology, 2020, 1238, 107-141.	0.8	13
1629	The microbiome and immune system development. , 2020, , 43-66.		4
1630	Protein Turnover in Epithelial Cells and Mucus along the Gastrointestinal Tract Is Coordinated by the Spatial Location and Microbiota. Cell Reports, 2020, 30, 1077-1087.e3.	2.9	41
1631	Effect of mannan oligosaccharides on the microbiota and productivity parameters of Litopenaeus vannamei shrimp under intensive cultivation in Ecuador. Scientific Reports, 2020, 10, 2719.	1.6	36
1632	Ongoing Supplementation of Probiotics to Cesarean-Born Neonates during the First Month of Life may Impact the Gut Microbial. American Journal of Perinatology, 2021, 38, 1181-1191.	0.6	10

#	Article	IF	Citations
1633	Metagenomic investigation of faecal microbiota in sheep and goats of the same ages. Journal of Taibah University for Science, 2021, 15, 1-9.	1.1	11
1634	Ensembling graph attention networks for human microbeâ€“drug association prediction. Bioinformatics, 2020, 36, i779-i786.	1.8	34
1635	The influence of the commensal and pathogenic gut microbiota on prion disease pathogenesis. Journal of General Virology, 2016, 97, 1725-1738.	1.3	14
1636	Prion disease pathogenesis in the absence of the commensal microbiota. Journal of General Virology, 2017, 98, 1943-1952.	1.3	13
1637	The nursing home elder microbiome stability and associations with age, frailty, nutrition and physical location. Journal of Medical Microbiology, 2018, 67, 40-51.	0.7	69
1638	Intestinal microbiota and colorectal cancer: changes in the intestinal microenvironment and their relation to the disease. Journal of Medical Microbiology, 2019, 68, 1391-1407.	0.7	30
1639	Evaluation of mucositis induced by irinotecan after microbial colonization in germ-free mice. Microbiology (United Kingdom), 2015, 161, 1950-1960.	0.7	67
1661	Raw frozen Antarctic krill (Euphausia superba) as an alternative feed source for cuttlefish Sepiella japonica in artificial breeding systems. Aquaculture Research, 2020, 51, 1867-1879.	0.9	1
1662	Gut microbiota metagenomics in aquaculture: factors influencing gut microbiome and its physiological role in fish. Reviews in Aquaculture, 2020, 12, 1903-1927.	4.6	213
1664	Role and significance of traditional Chinese medicine in regulating gastrointestinal microecology to prevent and treat gastrointestinal cancer. World Chinese Journal of Digestology, 2020, 28, 1-8.	0.0	1
1665	Sex steroid deficiencyâ€“associated bone loss is microbiota dependent and prevented by probiotics. Journal of Clinical Investigation, 2016, 126, 2049-2063.	3.9	416
1666	Antibiotic effects on gut microbiota and metabolism are host dependent. Journal of Clinical Investigation, 2016, 126, 4430-4443.	3.9	130
1667	The environmental microbiota and asthma. , 2019, , 216-239.		2
1668	Polysaccharide from wild morels alters the spatial structure of gut microbiota and the production of short-chain fatty acids in mice. Bioscience of Microbiota, Food and Health, 2020, 39, 219-226.	0.8	10
1669	Colorectal cancer: The epigenetic role of microbiome. World Journal of Clinical Cases, 2019, 7, 3683-3697.	0.3	24
1670	Bibliometric analysis of subject trends and knowledge structures of gut microbiota. World Journal of Clinical Cases, 2020, 8, 2817-2832.	0.3	16
1671	hnRNP I regulates neonatal immune adaptation and prevents colitis and colorectal cancer. PLoS Genetics, 2017, 13, e1006672.	1.5	16
1672	Transcriptome Sequencing Reveals Large-Scale Changes in Axenic Aedes aegypti Larvae. PLoS Neglected Tropical Diseases, 2017, 11, e0005273.	1.3	53

#	Article	IF	Citations
1673	â€œOmicâ€•investigations of protozoa and worms for a deeper understanding of the human gut â€œparasitomeâ€• PLoS Neglected Tropical Diseases, 2017, 11, e0005916.	1.3	36
1674	Effects of Lactobacillus kefiranofaciens M1 Isolated from Kefir Grains on Germ-Free Mice. PLoS ONE, 2013, 8, e78789.	1.1	33
1675	Administration of a Probiotic Can Change Drug Pharmacokinetics: Effect of E. coli Nissle 1917 on Amidarone Absorption in Rats. PLoS ONE, 2014, 9, e87150.	1.1	72
1676	Early Changes in Microbial Colonization Selectively Modulate Intestinal Enzymes, but Not Inducible Heat Shock Proteins in Young Adult Swine. PLoS ONE, 2014, 9, e87967.	1.1	48
1677	Storage Duration of Red Blood Cell Transfusion and Clostridium difficile Infection: A Within Person Comparison. PLoS ONE, 2014, 9, e89332.	1.1	8
1678	Salmonella Typhimurium Strain ATCC14028 Requires H2-Hydrogenases for Growth in the Gut, but Not at Systemic Sites. PLoS ONE, 2014, 9, e110187.	1.1	20
1679	The Oral Tolerance as a Complex Network Phenomenon. PLoS ONE, 2015, 10, e0130762.	1.1	8
1680	The Viral Mimetic Polyinosinic:Polycytidylic Acid Alters the Growth Characteristics of Small Intestinal and Colonic Crypt Cultures. PLoS ONE, 2015, 10, e0138531.	1.1	16
1681	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.	1.1	41
1682	The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent. PLoS ONE, 2015, 10, e0145784.	1.1	26
1683	Dietary Lactobacillus rhamnosus GG Supplementation Improves the Mucosal Barrier Function in the Intestine of Weaned Piglets Challenged by Porcine Rotavirus. PLoS ONE, 2016, 11, e0146312.	1.1	74
1684	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. PLoS ONE, 2016, 11, e0150943.	1.1	20
1685	Ontogenetic Characterization of the Intestinal Microbiota of Channel Catfish through 16S rRNA Gene Sequencing Reveals Insights on Temporal Shifts and the Influence of Environmental Microbes. PLoS ONE, 2016, 11, e0166379.	1.1	102
1686	Bacterial Communities Differ among Drosophila melanogaster Populations and Affect Host Resistance against Parasitoids. PLoS ONE, 2016, 11, e0167726.	1.1	24
1687	FFA2 Contribution to Gestational Glucose Tolerance Is Not Disrupted by Antibiotics. PLoS ONE, 2016, 11, e0167837.	1.1	6
1688	Abundance profiling of specific gene groups using precomputed gut metagenomes yields novel biological hypotheses. PLoS ONE, 2017, 12, e0176154.	1.1	25
1689	Spontaneous variability of pre-dialysis concentrations of uremic toxins over time in stable hemodialysis patients. PLoS ONE, 2017, 12, e0186010.	1.1	25
1690	Drosophila as a model for homeostatic, antibacterial, and antiviral mechanisms in the gut. PLoS Pathogens, 2017, 13, e1006277.	2.1	58

#	Article	IF	Citations
1691	Effects of hydrolyzed yeast supplementation on growth performance, immunity, antioxidant capacity, and microbial shedding in weaning pigs. Veterinary World, 2020, 13, 1902-1909.	0.7	14
1692	Influence of the Lung Microbiota Dysbiosis in Chronic Obstructive Pulmonary Disease Exacerbations: The Controversial Use of Corticosteroid and Antibiotic Treatments and the Role of Eosinophils as a Disease Marker. Journal of Clinical Medicine Research, 2019, 11, 667-675.	0.6	24
1693	Intestinal RORrt-generated Th17 cells control type 2 diabetes: A first antidiabetic target identified from the host to microbiota crosstalk. Inflammation and Cell Signaling, 0, , .	1.6	1
1694	Interactive roles of gut microbiota and gastrointestinal motility in the development of inflammatory disorders. Inflammation and Cell Signaling, 0, , .	1.6	8
1695	A review on preventive role of ketogenic diet (KD) in CNS disorders from the gut microbiota perspective. Reviews in the Neurosciences, 2021, 32, 143-157.	1.4	35
1696	Role of Human Milk in the Development of Gastrointestinal Bacterial Flora and Immunity in Preterm Infants. MOJ Immunology, 2014, 1, .	11.0	1
1697	Influence of Bacteriophage Infections of Microbiota on the Expression of alpha-synuclein in the Rat Intestinal Wall. Journal of Anatomy and Histopathology, 2019, 7, 61-66.	0.1	1
1698	Association between antidiabetic agents use and leukocyte telomere shortening rates in patients with type 2 diabetes. Aging, 2019, 11, 741-755.	1.4	23
1699	Microbiota and bile acid profiles in retinoic acid-primed mice that exhibit accelerated liver regeneration. Oncotarget, 2016, 7, 1096-1106.	0.8	39
1700	Changes in the bacterial community associated with hydra during reproduction. Matters, 0, , .	1.0	3
1701	IntÃ©grer la caractÃ©risation du microbiote digestif dans le phÃ©notypage de lâ€™animal de rente : vers un nouvel outil de maÃ®trise de la santÃ© en Ã©levage ?. INRA Productions Animales, 2020, 27, 209-222.	0.3	1
1702	Tissue specificity of DNA damage response and tumorigenesis. Cancer Biology and Medicine, 2019, 16, 396-414.	1.4	32
1703	The Gut Microbiota and the Emergence of Autoimmunity: Relevance to Major Psychiatric Disorders. Current Pharmaceutical Design, 2016, 22, 6076-6086.	0.9	15
1704	Effects of Gut Microbiota on Drug Metabolism and Guidance for Rational Drug Use Under Hypoxic Conditions at High Altitudes. Current Drug Metabolism, 2019, 20, 155-165.	0.7	12
1705	Potential Impacts of Prebiotics and Probiotics on Cancer Prevention. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 605-628.	0.9	21
1706	Sirtuins and Resveratrol-Derived Compounds: A Model for Understanding the Beneficial Effects of the Mediterranean Diet. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2014, 14, 300-308.	0.6	24
1707	The First Report of Differences in Gut Microbiota Composition between Obese and Normal Weight Iranian Subjects. Iranian Biomedical Journal, 2020, 24, 148-154.	0.4	14
1708	Characteristics of Nasopharyngeal Microbiocenosis and Evaluation of the Interaction of its Associates in Women with Chronic Endometritis. Acta Biomedica Scientifica, 2019, 3, 29-35.	0.1	2

#	Article	IF	Citations
1709	Phytogenics in Aquaculture: A Short Review of Their Effects on Gut Health and Microflora in Fish. Philippine Journal of Fisheries, 2020, , 246-259.	0.1	5
1710	MICROBIOTA-GUT-BRAIN SIGNALING: A MINIREVIEW. Military Medical Science Letters (Vojenske) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.2	3
1712	Adherence of Lactobacillus salivarius to HeLa Cells Promotes Changes in the Expression of the Genes Involved in Biosynthesis of Their Ligands. Frontiers in Immunology, 2019, 10, 3019.	2.2	8
1713	Hydrolytic Exoenzymes Produced by Bacteria Isolated and Identified From the Gastrointestinal Tract of Bombay Duck. Frontiers in Microbiology, 2020, 11, 2097.	1.5	32
1714	Strain Tracking to Identify Individualized Patterns of Microbial Strain Stability in the Developing Infant Gut Ecosystem. Frontiers in Pediatrics, 2020, 8, 549844.	0.9	9
1715	Role of the Encapsulation in Bioavailability of Phenolic Compounds. Antioxidants, 2020, 9, 923.	2.2	151
1716	Using Decision Tree Aggregation with Random Forest Model to Identify Gut Microbes Associated with Colorectal Cancer. Genes, 2019, 10, 112.	1.0	45
1717	Consumption of milk and milk products in the population of the Upper Silesian agglomeration inhabitants. Food and Nutrition Research, 2016, 60, 28976.	1.2	11
1718	<i>Akkermansia muciniphila</i> is a new universal probiotic on the basis of live human commensal gut bacteria: the reality or legend?. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2019, 96, 105-115.	0.3	1
1719	Early exposure to food contaminants reshapes maturation of the human brain-gut-microbiota axis. World Journal of Gastroenterology, 2020, 26, 3145-3169.	1.4	12
1720	Diet, microbiota, and inflammatory bowel disease: lessons from Japanese foods. Korean Journal of Internal Medicine, 2014, 29, 409.	0.7	36
1721	Chapter 2: The composition and role of the microbiota in chickens. , 2015, , 21-50.		3
1722	Review on Natural Growth Promoters Available for Improving Gut Health of Poultry: An Alternative to Antibiotic Growth Promoters. Asian Journal of Poultry Science, 2015, 10, 1-29.	0.1	38
1723	Healthy effects of prebiotics and their metabolites against intestinal diseases and colorectal cancer. AIMS Microbiology, 2015, 1, 48-71.	1.0	30
1724	Characterisation and comparison of the mucosa-associated bacterial communities across the gastrointestinal tract of stranded green turtles, Chelonia mydas. AIMS Microbiology, 2020, 6, 361-378.	1.0	7
1725	The Commensal Neisseria musculi Modulates Host Innate Immunity To Promote Oral Colonization. ImmunoHorizons, 2018, 2, 305-313.	0.8	7
1726	Mammalian gut immunity. Biomedical Journal, 2014, 37, 246.	1.4	104
1727	What's new in the pathophysiology of alopecia areata? the possible contribution of skin and gut microbiome in the pathogenesis of alopecia â€“ Big opportunities, big challenges, and novel perspectives. International Journal of Trichology, 2019, 11, 185.	0.1	21

#	Article	IF	Citations
1728	Early results of fecal microbial transplantation protocol implementation at a community-based university hospital. Journal of Global Infectious Diseases, 2018, 10, 47.	0.2	14
1729	Metabiotics: The Functional Metabolic Signatures of Probiotics: Current State-of-Art and Future Research Prioritiesâ€"Metabiotics: Probiotics Effector Molecules. Advances in Bioscience and Biotechnology (Print), 2018, 09, 147-189.	0.3	55
1730	Association between oropharyngeal microbiome and weight gain in piglets during pre and post weaning life. Journal of Animal Science and Technology, 2020, 62, 247-262.	0.8	9
1731	Importance of microbial extracellular vesicle in the pathogenesis of asthma and chronic obstructive pulmonary disease and its diagnostic potential. Asia Pacific Allergy, 2020, 10, e25.	0.6	9
1732	Effects of early commercial milk supplement on the mucosal morphology, bacterial community and bacterial metabolites in jejunum of the pre- and post-weaning piglets. Asian-Australasian Journal of Animal Sciences, 2020, 33, 480-489.	2.4	2
1733	Type 2 diabetes mellitus-related environmental factors and the gut microbiota: emerging evidence and challenges. Clinics, 2020, 75, e1277.	0.6	25
1734	Perinatal hormones favor CC17 group B Streptococcus intestinal translocation through M cells and hypervirulence in neonates. ELife, 2019, 8, .	2.8	21
1735	Interactions betweenDrosophilaand its natural yeast symbiontsâ€"IsSaccharomyces cerevisiaea good model for studying the fly-yeast relationship?. PeerJ, 2015, 3, e1116.	0.9	76
1736	Towards quantitative viromics for both double-stranded and single-stranded DNA viruses. PeerJ, 2016, 4, e2777.	0.9	185
1737	Compositional and predicted functional analysis of the gut microbiota of Radix auricularia (Linnaeus) via high-throughput Illumina sequencing. PeerJ, 2018, 6, e5537.	0.9	44
1738	Comparison of the fecal microbiota of two free-ranging Chinese subspecies of the leopard (Panthera pardus) using high-throughput sequencing. PeerJ, 2019, 7, e6684.	0.9	18
1739	Understanding the Interplay Between the Host Immuneâ€"Microbiome Interactions: A State of the Art Review. , 2021, , 123-141.		1
1740	Insight into the Animal Models for Microbiome Studies. , 2021, , 259-273.		4
1741	Research progress of gut microbiota and frailty syndrome. Open Medicine (Poland), 2021, 16, 1525-1536.	0.6	7
1742	Gastrointestinal microbiome and gluten in celiac disease. Annals of Medicine, 2021, 53, 1797-1805.	1.5	23
1743	Vaccination of Gilthead Seabream After Continuous Xenoestrogen Oral Exposure Enhances the Gut Endobolome and Immune Status via GPER1. Frontiers in Immunology, 2021, 12, 742827.	2.2	7
1744	The Origin of Plasma-Derived Bacterial Extracellular Vesicles in Healthy Individuals and Patients with Inflammatory Bowel Disease: A Pilot Study. Genes, 2021, 12, 1636.	1.0	17
1745	Virus Infection Is an Instigator of Intestinal Dysbiosis Leading to Type 1 Diabetes. Frontiers in Immunology, 2021, 12, 751337.	2.2	9

#	Article	IF	Citations
1746	Microbiota-brain interactions: Moving toward mechanisms in model organisms. Neuron, 2021, 109, 3930-3953.	3.8	54
1747	Profiling intestinal microbiota of Metaplax longipes and Helice japonica and their co-occurrence relationships with habitat microbes. Scientific Reports, 2021, 11, 21217.	1.6	4
1748	Promotion of Egg Production Rate and Quality Using Limosilactobacillus oris BSLO 1801, a Potential Probiotic Screened from Feces of Laying Hens with Higher Egg Productive Performance. Probiotics and Antimicrobial Proteins, 2023, 15, 535-547.	1.9	2
1749	High throughput in vitro characterization of pectins for pig(let) nutrition. Animal Microbiome, 2021, 3, 69.	1.5	7
1750	Using flavonoids as a therapeutic intervention against rheumatoid arthritis: The known and unknown. Pharmacological Research Modern Chinese Medicine, 2022, 3, 100014.	0.5	5
1751	Probable role of Cutibacterium acnes in the gut of the polychaete Capitella teleta. Science of the Total Environment, 2021, 809, 151127.	3.9	2
1752	A â€˜time bombâ€™ in the human intestineâ€”the multiple emergence and spread of antibioticâ€resistant bacteria. Environmental Microbiology, 2022, 24, 1231-1246.	1.8	5
1753	Microbiome research potential for developing holistic approaches to improve refugee health. Journal of Global Health Reports, 0, , .	1.0	0
1754	Yucca schidigera extract decreases nitrogen emission via improving nutrient utilisation and gut barrier function in weaned piglets. Journal of Animal Physiology and Animal Nutrition, 2022, 106, 1036-1045.	1.0	9
1755	Differential effects of different diets on depressive-like phenotypes in C57BL/JJmsSLc mice. Physiology and Behavior, 2022, 243, 113623.	1.0	1
1756	Effects of the Sex Factor on Mouse Iodine Intake: Interactions between the Gut Microbiota Composition and Metabolic Syndromes. ACS Omega, 2021, 6, 28569-28578.	1.6	2
1757	Tuber flours improve intestinal health and modulate gut microbiota composition. Food Chemistry: X, 2021, 12, 100145.	1.8	1
1758	Hallmarks of the human intestinal microbiome on liver maturation and function. Journal of Hepatology, 2022, 76, 694-725.	1.8	12
1759	Analysis of Cow-Calf Microbiome Transfer Routes and Microbiome Diversity in the Newborn Holstein Dairy Calf Hindgut. Frontiers in Nutrition, 2021, 8, 736270.	1.6	16
1760	Gut microbiota and host Cyp450s co-contribute to pharmacokinetic variability in mice with non-alcoholic steatohepatitis: Effects vary from drug to drug. Journal of Advanced Research, 2022, 39, 319-332.	4.4	7
1761	Extracellular vesicles derived from the periodontal pathogen Filifactor alocis induce systemic bone loss through Tollâ€like receptor 2. Journal of Extracellular Vesicles, 2021, 10, e12157.	5.5	26
1762	Antibiotic use but not gastrointestinal infection frequently precedes first diagnosis of functional gastrointestinal disorders. United European Gastroenterology Journal, 2021, 9, 1074-1080.	1.6	4
1763	Supplemental L-Arginine Improves the Embryonic Intestine Development and Microbial Succession in a Chick Embryo Model. Frontiers in Nutrition, 2021, 8, 692305.	1.6	6

#	Article	IF	Citations
1764	A posteriori dietary patterns better explain variations of the gut microbiome than individual markers in the American Gut Project. American Journal of Clinical Nutrition, 2022, 115, 432-443.	2.2	28
1765	Combinatorial Click Chemistry Labeling to Study Live Human Gut-Derived Microbiota Communities. Frontiers in Microbiology, 2021, 12, 750624.	1.5	2
1766	Effects of semi-purified diet on depressive behaviors in aged mice. Biochemistry and Biophysics Reports, 2021, 28, 101152.	0.7	2
1767	Lymphocytes from Peyerâ€™s Patches and Mesenteric Lymph Nodes Proliferation in a Model of Oral and Systemic Sensitization with Ovalbumin. Journal of Pharmacy and Nutrition Sciences (discontinued), 0, , .	0.2	0
1770	Illness and Death in the Universe. , 2013, 17, 90-91.		0
1771	Introduction to Metabonomics in Systems Biology Research. Molecular and Integrative Toxicology, 2015, , 1-24.	0.5	0
1772	Metabonomics and Gut Microbial Paradigm in Healthy Aging. Molecular and Integrative Toxicology, 2015, , 169-184.	0.5	0
1773	Targeting Body Weight Regulation with Probiotics: A Review of Randomized Trials in Obese and Overweight People Free of Comorbidities. Journal of Nutrition & Food Sciences, 2015, 05, .	1.0	1
1774	Melatonin Bio-Synthesizing Machinery in Fish: A Current Knowledge with a Special Emphasis on Tropical Carp. Single Cell Biology, 2016, 05, .	0.2	0
1775	The Interaction of Diet, Microbiota, and Antimicrobial Peptides in the Gastrointestinal Ecosystem. Niche Journal, 2016, 3, 28-32.	0.4	1
1777	How to Develop Gluten-Free Foods for a Healthy Gut. International Journal of Celiac Disease, 2016, 3, 44-47.	0.1	0
1778	MICROBIOME REVOLUTION AND NEONATOLOGY. Neonatology Surgery and Perinatal Medicine, 2017, 6, 76-86.	0.0	0
1780	Oxidation-antioxidant balance in the colon mucosa of rats at different times points after ceftriaxone administration. Bulletin of Taras Shevchenko National University of Kyiv Series Problems of Physiological Functions Regulation, 2017, 22, 11-15.	0.1	0
1781	Pensar en tiempos de crisis: Â¿cÃ³mo dialogar con la vida?. Nomadas, 2017, , 237-250.	0.0	2
1782	Transplantation of fecal microbiota or probiotics?. Russian Journal of Evidence-Based Gastroenterology, 2017, 6, 19.	0.3	0
1783	Immunomodulatory Effects of Food Additives. International Journal of Immunotherapy and Cancer Research, 0, , 019-031.	0.4	0
1784	Flies to Humans - Humans to Flies: A Virtuous Circle of Colorectal Cancer Prevention. Archives of Clinical Gastroenterology, 0, , 047-060.	0.1	0
1785	24. Heart health and microorganisms: the unexpected beat. Human Health Handbooks, 2017, , 511-531.	0.1	0

#	Article	IF	Citations
1788	A Quantitative Theory of War and Peace in the Gut Microbiota. SSRN Electronic Journal, 0, , .	0.4	0
1789	Cancer Risk, Risk Reduction, and Screening and Treatment Access among U.S. South Asians. Cross-cultural Research in Health, Illness and Well-being, 2018, , 149-169.	0.0	0
1793	Effect of Young Barley Leaf Extracts on the Relative Abundance of Genus Prevotella in Feces of Rats Fed a High-fat Diet. Journal of the Japanese Society for Food Science and Technology, 2018, 65, 457-462.	0.1	0
1795	The role of intestinal microbiota in the pathophysiology of spondyloarthritis. Achievement in therapeutic correction of microbiome. Modern Gastroenterology, 2018, .	0.1	0
1797	Hindgut Bacterial Flora Analysis in Oriental Honey Buzzard (Pernis ptilorhynchus). Zoological Science, 2019, 36, 77.	0.3	4
1800	The effect of diet on the fluctuations of human gut microbiota. Y Hoc Thanh Pho Ho Chi Minh, 2017, 3, 22-24.	0.1	0
1801	Effect of edible oil on health: Relationship with intestinal microflora. World Chinese Journal of Digestology, 2019, 27, 583-588.	0.0	1
1803	Open Journal of Bacteriology. Open Journal of Bacteriology, 2019, 3, 008-010.	0.3	0
1805	La microbiota del tracto digestivo de camarones peneidos: una perspectiva histÃ³rica y estado del arte//The gut microbiota of penaeid shrimp: a historical perspective and state of the art. Biotecnia, 2019, 22, 5-16.	0.1	0
1807	Microbiota, mucosal immunity, and Colon cancer. , 2020, , 157-209.		1
1809	Human Organism as Anthropoecosystem and the Symbiocenosis Factors in the Formation of Health. UkraÃ¯nsÊ¹kij Å¾urnal Medicini BÄ¬ologÃ¬Ã¯ Ta Sportu, 2020, 5, 32-39.	0.0	0
1811	INTESTINAL MICROFLORA AND EXPRESSION OF IMMUNITY-RELATED GENES IN HENS AS INFLUENCED BY PREBIOTIC AND PROBIOTIC FEED ADDITIVES. Sel'skokhozyaistvennaya Biologiya, 2020, 55, 315-327.	0.1	2
1812	Target Elimination-Denatured and Unstable Proteins, Environ-mental Toxins, Metabolic Wastes, Immunosuppressive Factors and Chronic Inflammatory Factors of Medical System for Chron-ic Diseases Prevention and Health Promotion: A Narrative Re-view. Iranian Journal of Public Health, 0, , .	0.3	0
1817	Disentangling Diet- and Medium-Associated Microbes in Shaping Daphnia Gut Microbiome. Microbial Ecology, 2022, 84, 911-921.	1.4	8
1818	Ectohydrolytic enzyme activities of bacteria associated with Orbicella annularis coral. Coral Reefs, 2021, 40, 1899.	0.9	0
1819	Alterations in the gut microbiota and metabolite profiles of patients with Kashin-Beck disease, an endemic osteoarthritis in China. Cell Death and Disease, 2021, 12, 1015.	2.7	13
1820	Sub-chronic low-dose arsenic in rice exposure induces gut microbiome perturbations in mice. Ecotoxicology and Environmental Safety, 2021, 227, 112934.	2.9	19
1822	Influence of Antimicrobials on the Gut Microbiota. , 2020, , 53-79.		0

#	Article	IF	Citations
1823	Gut Microbiota as Signatures in Non-communicable Diseases and Mucosal Immunity. Diagnostics and Therapeutic Advances in GI Malignancies, 2020, , 167-208.	0.2	0
1824	What Is a Healthy Microbiome?. Healthy Ageing and Longevity, 2020, , 221-241.	0.2	0
1826	Microbiome for Personalized Medicine. , 2020, , 141-157.		0
1827	Dynamic comparison of gut microbiota of mice infected with Shigellaï¿½flexneri via two different infective routes. Experimental and Therapeutic Medicine, 2020, 19, 2273-2281.	0.8	7
1829	NCPLP: A Novel Approach for Predicting Microbe-Associated Diseases With Network Consistency Projection and Label Propagation. IEEE Transactions on Cybernetics, 2022, 52, 5079-5087.	6.2	24
1830	Dysbiosis of gut microbiota and human diseases. Journal of Mahatma Gandhi Institute of Medical Sciences, 2020, 25, 66.	0.1	2
1831	Effects of Diet on Human Gut Microbiome and Subsequent Influence on Host Physiology and Metabolism. , 2020, , 63-84.		1
1832	Taxifolin retards the <scp>d</scp>-galactose-induced aging process through inhibiting Nrf2-mediated oxidative stress and regulating the gut microbiota in mice. Food and Function, 2021, 12, 12142-12158.	2.1	39
1833	Karakterisasi DNA Mikrobiota Usus Bayi pada Persalinan Normal yang diberi ASI dan Susu Formula. Media Kesehatan Masyarakat Indonesia, 2020, 16, 116.	0.2	3
1836	A Typical Fungicide and Its Main Metabolite Promote Liver Damage in Mice through Impacting Gut Microbiota and Intestinal Barrier Function. Journal of Agricultural and Food Chemistry, 2021, 69, 13436-13447.	2.4	13
1837	Invasive Amphibian Gut Microbiota and Functions Shift Differentially in an Expanding Population but Remain Conserved Across Established Populations. Microbial Ecology, 2022, 84, 1042-1054.	1.4	4
1838	AMDB: a database of animal gut microbial communities with manually curated metadata. Nucleic Acids Research, 2022, 50, D729-D735.	6.5	11
1839	The Emerging Role of Metabolism in Brain-Heart Axis: New Challenge for the Therapy and Prevention of Alzheimer Disease. May Thioredoxin Interacting Protein (TXNIP) Play a Role?. Biomolecules, 2021, 11, 1652.	1.8	6
1840	Gut microbiota in Parkinsonâ€™s disease patients: hospital-based study. Egyptian Journal of Neurology, Psychiatry and Neurosurgery, 2021, 57, .	0.4	7
1848	Red light exaggerated sepsis-induced learning impairments and anxiety-like behaviors. Aging, 2020, 12, 23739-23760.	1.4	10
1850	Target Elimination-Denatured and Unstable Proteins, Environmental Toxins, Metabolic Wastes, Immunosuppressive Factors and Chronic Inflammatory Factors of Medical System for Chronic Diseases Prevention and Health Promotion: A Narrative Review. Iranian Journal of Public Health, 2019, 48, 994-1003.	0.3	1
1851	Detection of spp in colorectal tissue samples using reverse transcription polymerase chain reaction with minor groove binder probes: an exploratory research. Porto Biomedical Journal, 2018, 3, e22.	0.4	0
1853	Graph2MDA: a multi-modal variational graph embedding model for predicting microbeâ€“drug associations. Bioinformatics, 2022, 38, 1118-1125.	1.8	26

#	Article	IF	Citations
1854	Immunophysiology of the avian immune system. , 2022, , 591-610.		2
1855	The role of probiotics in nutritional health: probiotics as nutribiotics. , 2022, , 397-415.		3
1856	Probiotics in fermented products and supplements. , 2022, , 73-107.		1
1857	Gut microbiota-derived short-chain fatty acids and colorectal cancer: Ready for clinical translation?. Cancer Letters, 2022, 526, 225-235.	3.2	87
1858	Microbial influences on gut development and gut-brain communication. Development (Cambridge), 2021, 148, .	1.2	11
1859	Video Capsule Endoscopy and Ingestible Electronics: Emerging Trends in Sensors, Circuits, Materials, Telemetry, Optics, and Rapid Reading Software. Advanced Devices & Instrumentation, 2021, 2021, .	4.0	14
1861	Complete genome sequencing and comparative genomic analysis of Lactobacillus acidophilus C5 as a potential canine probiotics. Journal of Animal Science and Technology, 2021, 63, 1411-1422.	0.8	4
1862	Changes to human faecal microbiota after international travel. Travel Medicine and Infectious Disease, 2021, 44, 102199.	1.5	4
1863	Gut microbial ecology of Xenopus tadpoles across life stages. , 0, 1, .		7
1864	Untapped potential of physiology, behaviour and immune markers to predict range dynamics and marginality. Ecology and Evolution, 2021, 11, 16446-16461.	0.8	3
1866	The interaction among gut microbes, the intestinal barrier and short chain fatty acids. Animal Nutrition, 2022, 9, 159-174.	2.1	59
1867	Current Knowledge About the Implication of Bacterial Microbiota in Human Health and Disease. Acta Medica Bulgarica, 2021, 48, 43-49.	0.0	0
1868	Supplementation with Bifidobacterium longum subspecies infantis EVC001 for mitigation of type 1 diabetes autoimmunity: the GPPAD-SINT1A randomised controlled trial protocol. BMJ Open, 2021, 11, e052449.	0.8	15
1869	Influence of Three Probiotics Strains, Lactobacillus rhamnosus GG, Bifidobacterium animalis subsp. Lactis BB-12 and Saccharomyces boulardii CNCM I-745 on the Biochemical and Haematological Profiles and Body Weight of Healthy Rabbits. Biology, 2021, 10, 1194.	1.3	4
1870	Role of Bifidobacteria on Infant Health. Microorganisms, 2021, 9, 2415.	1.6	40
1871	Microbial regulation of hexokinase 2 links mitochondrial metabolism and cell death in colitis. Cell Metabolism, 2021, 33, 2355-2366.e8.	7.2	40
1873	Effects of probiotics on the improvement and regulation of intestinal barrier dysfunction and immune imbalance in intraâ€‘abdominal infections (Review). International Journal of Functional Nutrition, 2021, 2, .	0.5	4
1874	Microbiome composition of Anna's hummingbirds differs among regions of the gastrointestinal tract. Journal of Avian Biology, 2022, 2022, .	0.6	3

#	Article	IF	Citations
1875	Revealing the composition of the eukaryotic microbiome of oyster spat by CRISPR-Cas Selective Amplicon Sequencing (CCSAS). Microbiome, 2021, 9, 230.	4.9	6
1876	The meiofauna as neglected carriers of antibiotic resistant and pathogenic bacteria in freshwater ecosystems. Journal of Limnology, 2021, 80, .	0.3	1
1877	Seasonal diet and microbiome shifts in wild rhesus macaques are better correlated at the level of nutrient components than food items. Integrative Zoology, 2022, 17, 1147-1161.	1.3	11
1878	Poultry gut health â€“ microbiome functions, environmental impacts, microbiome engineering and advancements in characterization technologies. Journal of Animal Science and Biotechnology, 2021, 12, 119.	2.1	35
1879	Hydrogen sulphide protects mice against the mutual aggravation of cerebral ischaemia/reperfusion injury and colitis. European Journal of Pharmacology, 2022, 914, 174682.	1.7	13
1880	Evaluation of the Function of Probiotics, Emphasizing the Role of their Binding to the Intestinal Epithelium in the Stability and their Effects on the Immune System. Biological Procedures Online, 2021, 23, 23.	1.4	33
1881	Decoding gut microbiota by imaging analysis of fecal samples. IScience, 2021, 24, 103481.	1.9	2
1882	Peptidoglycan of Bacterial Cell Wall Affects Competitive Properties of Microorganisms. Bulletin of Experimental Biology and Medicine, 2021, 172, 164-168.	0.3	1
1883	How do green and black coffee brews and bioactive interaction with gut microbiome affect its health outcomes? Mining evidence from mechanistic studies, metagenomics and clinical trials. Trends in Food Science and Technology, 2021, 118, 920-937.	7.8	5
1884	Average gut flora in healthy Japanese subjects stratified by age and body mass index. Bioscience of Microbiota, Food and Health, 2022, 41, 45-53.	0.8	13
1886	The Crosstalk between Gut Microbiota, Intestinal Immunological Niche and Visceral Adipose Tissue as a New Model for the Pathogenesis of Metabolic and Inflammatory Diseases: The Paradigm of Type 2 Diabetes Mellitus. Current Medicinal Chemistry, 2022, 29, 3189-3201.	1.2	7
1887	Clinical translation of advanced colonic drug delivery technologies. Advanced Drug Delivery Reviews, 2022, 181, 114076.	6.6	51
1888	Re-aliment regains feed deprivation-induced microflora dysbiosis and immune stress in the gut of red swamp crayfish (Procambarus clarkii). Aquaculture Reports, 2022, 22, 100992.	0.7	4
1889	RISING CASES OF ANTIBIOTICS SELF-MEDICATION AND ITS ASSOCIATED PREDICAMENT. FUDMA Journal of Sciences, 2020, 4, 668-671.	0.1	3
1890	Akkermansia mucinifila and the part that it plays in metabolic disturbance. Ukrainian Therapeutical Journal, 2020, .	0.0	0
1891	Differential Effects of Transition Metals on Growth and Metal Uptake for Two DistinctLactobacillusSpecies. Microbiology Spectrum, 2022, 10, e0100621.	1.2	10
1892	The Gut Microbiome of Adults With Type 1 Diabetes and Its Association With the Host Glycemic Control. Diabetes Care, 2022, 45, 555-563.	4.3	19
1893	The Metabolic Role and Therapeutic Potential of the Microbiome. Endocrine Reviews, 2022, 43, 907-926.	8.9	26

#	Article	IF	Citations
1894	Probiotics and the gut-liver axis. , 2022, , 467-481.		0
1895	Impact of the gut microbiota on the immune system. , 2022, , 353-364.		2
1896	â€œOsteomicrobiologyâ€: The Nexus Between Bone and Bugs. Frontiers in Microbiology, 2021, 12, 812466.	1.5	12
1897	Role of Physiology, Immunity, Microbiota, and Infectious Diseases in the Gut Health of Poultry. Vaccines, 2022, 10, 172.	2.1	50
1898	Intestinal Microbiota and Serum Metabolic Profile Responded to Two Nutritional Different Diets in Mice. Frontiers in Nutrition, 2021, 8, 813757.	1.6	6
1899	Prebiotic effects of goji berry in protection against inflammatory bowel disease. Critical Reviews in Food Science and Nutrition, 2023, 63, 5206-5230.	5.4	11
1900	Integrity of the Intestinal Barrier: The Involvement of Epithelial Cells and Microbiotaâ€”A Mutual Relationship. Animals, 2022, 12, 145.	1.0	53
1901	MSF-LRR: Multi-similarity Information Fusion through Low-Rank Representation to Predict Disease-associated Microbes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	1.9	2
1902	Microbiome mediation of animal life histories via metabolites and insulinâ€like signalling. Biological Reviews, 2022, 97, 1118-1130.	4.7	10
1905	Food-gut microbiota interactions. , 2022, , 233-256.		0
1906	Incorporating genomeâ€based phylogeny and functional similarity into diversity assessments helps to resolve a global collection of human gut metagenomes. Environmental Microbiology, 2022, 24, 3966-3984.	1.8	2
1907	Selenium-enriched Bacillus subtilis reduces the effects of mercury-induced on inflammation and intestinal microbes in carp (Cyprinus carpio var. specularis). Fish Physiology and Biochemistry, 2022, 48, 215-226.	0.9	11
1908	Treatment of Hyperammonemia by Transplanting a Symbiotic Pair of Intestinal Microbes. Frontiers in Cellular and Infection Microbiology, 2021, 11, 696044.	1.8	2
1909	Exploring Sexual Dimorphism in the Intestinal Microbiota of the Yellow Drum (Nibea albiflora,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.5	2
1911	Regulatory Effects of Combined Dietary Supplementation With Essential Oils and Organic Acids on Microbial Communities of Cobb Broilers. Frontiers in Microbiology, 2021, 12, 814626.	1.5	6
1912	Chitosan Protects Immunosuppressed Mice Against Cryptosporidium parvum Infection Through TLR4/STAT1 Signaling Pathways and Gut Microbiota Modulation. Frontiers in Immunology, 2021, 12, 784683.	2.2	6
1913	Development of the gut microbiome in early life. Experimental Physiology, 2022, 107, 415-421.	0.9	21
1914	Pathogenic Mechanism of Autoimmune Diabetes Mellitus in Humans: Potential Role of Streptozotocin-Induced Selective Autoimmunity against Human Islet Î²-Cells. Cells, 2022, 11, 492.	1.8	6

#	Article	IF	Citations
1915	Dietary lipids from body to brain. Progress in Lipid Research, 2022, 85, 101144.	5.3	35
1916	Host tp53 mutation induces gut dysbiosis eliciting inflammation through disturbed sialic acid metabolism. Microbiome, 2022, 10, 3.	4.9	9
1917	Interleukin-1Î² secretion induced by mucosa-associated gut commensal bacteria promotes intestinal barrier repair. Gut Microbes, 2022, 14, 2014772.	4.3	23
1918	The Role of the Microbiota in Regeneration-Associated Processes. Frontiers in Cell and Developmental Biology, 2021, 9, 768783.	1.8	3
1920	Effects of waste milk on growth performance, immunity, and gut health of dairy calves. Animal Feed Science and Technology, 2022, 285, 115241.	1.1	1
1921	Recent advances in understanding the effects of nanomaterials on gut microbiota. Chemical Engineering Journal, 2022, 435, 134976.	6.6	9
1922	Intercolony Comparisons of Gut Microbiome Composition From Lab Reared Eastern Subterranean Termites (Blattodea: Rhinotermitidae). Journal of Insect Science, 2022, 22, .	0.6	2
1923	Human Stool Preservation Impacts Taxonomic Profiles in 16S Metagenomics Studies. Frontiers in Cellular and Infection Microbiology, 2022, 12, 722886.	1.8	5
1924	Association of Yogurt and Dietary Supplements Containing Probiotic Consumption With All-Cause and Cause-Specific Mortality in US Adults: A Population-Based Cohort Study. Frontiers in Nutrition, 2022, 9, 803076.	1.6	6
1925	Efficacy of Probiotics in Management of Celiac Disease. Cureus, 2022, 14, e22031.	0.2	4
1926	The microbiome of the buffalo digestive tract. Nature Communications, 2022, 13, 823.	5.8	30
1927	Modulation of Fecal Metabolites by Heat Stress and Diet, and Their Association with Inflammation and Leaky Gut Markers in Dairy Cows. Metabolites, 2022, 12, 142.	1.3	6
1928	Anti-Inflammatory and Anti-asthmatic Effects of TMDCT Decoction in Eosinophilic Asthma Through Treg/Th17 Balance. Frontiers in Pharmacology, 2022, 13, 819728.	1.6	11
1929	Population Genomics, Transcriptional Response to Heat Shock, and Gut Microbiota of the Hong Kong Oyster Magallana hongkongensis. Journal of Marine Science and Engineering, 2022, 10, 237.	1.2	1
1930	Gut Immune System and the Implications of Oral-Administered Immunoprophylaxis in Finfish Aquaculture. Frontiers in Immunology, 2021, 12, 773193.	2.2	28
1931	Alterations in Intestinal Microbiota Composition in Mice Treated With Vitamin D3 or Cathelicidin. Frontiers in Oncology, 2021, 11, 700038.	1.3	3
1932	Chemical Reporters for Bacterial Glycans: Development and Applications. Chemical Reviews, 2022, 122, 3336-3413.	23.0	45
1933	Evaluation of Sample Preservation and Storage Methods for Metaproteomics Analysis of Intestinal Microbiomes. Microbiology Spectrum, 2021, 9, e0187721.	1.2	8

#	Article	IF	Citations
1934	Gut microbiome composition, not alpha diversity, is associated with survival in a natural vertebrate population. Animal Microbiome, 2021, 3, 84.	1.5	28
1935	The Progress of Intestinal Epithelial Models from Cell Lines to Gut-On-Chip. International Journal of Molecular Sciences, 2021, 22, 13472.	1.8	27
1936	MDADP: A Webserver Integrating Database and Prediction Tools for Microbe-Disease Associations. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3427-3434.	3.9	5
1937	Gut microbiota-derived metabolites in host physiology. , 2022, , 515-534.		1
1940	Gut microbiota and inflammation in Parkinsonâ€™s disease: Pathogenetic and therapeutic insights. European Journal of Inflammation, 2022, 20, 1721727X2210837.	0.2	5
1942	Taking Microbiota into Consideration in Mesenchymal Stem Cell Research. Journal of Dental Research, 2022, 101, 880-886.	2.5	5
1943	Enterotype-Specific Effect of Human Gut Microbiota on the Fermentation of Marine Algae Oligosaccharides: A Preliminary Proof-of-Concept In Vitro Study. Polymers, 2022, 14, 770.	2.0	8
1944	Bone Fragility in Gastrointestinal Disorders. International Journal of Molecular Sciences, 2022, 23, 2713.	1.8	7
1945	Characterization of the fecal microbiota in gastrointestinal cancer patients and healthy people. Clinical and Translational Oncology, 2022, 24, 1134-1147.	1.2	9
1946	Disordered Gut Microbiota Correlates With Altered Fecal Bile Acid Metabolism and Post-cholecystectomy Diarrhea. Frontiers in Microbiology, 2022, 13, 800604.	1.5	12
1947	Implications of Gut Microbiota in Neurodegenerative Diseases. Frontiers in Immunology, 2022, 13, 785644.	2.2	37
1948	Similarities between bacterial GAD and human GAD65: Implications in gut mediated autoimmune type 1 diabetes. PLoS ONE, 2022, 17, e0261103.	1.1	7
1949	To Probiotic or Not to Probiotic: A Metagenomic Comparison of the Discharge Gut Microbiome of Infants Supplemented With Probiotics in NICU and Those Who Are Not. Frontiers in Pediatrics, 2022, 10, 838559.	0.9	5
1950	Gut-Microbiome Implications in Opioid Use Disorder and Related Behaviors. Advances in Drug and Alcohol Research, 0, 2, .	2.5	4
1951	The small intestine: barrier, permeability and microbiota. Minerva Gastroenterology, 2022, 68, .	0.3	4
1953	The effects of genital myiasis on the diversity of the vaginal microbiota in female Bactrian camels. BMC Veterinary Research, 2022, 18, 87.	0.7	2
1954	Microalgae-based oral microcarriers for gut microbiota homeostasis and intestinal protection in cancer radiotherapy. Nature Communications, 2022, 13, 1413.	5.8	78
1955	Pharmaceutically Active Microbial AhR Agonists as Innovative Biodrugs in Inflammation. Pharmaceuticals, 2022, 15, 336.	1.7	5

#	Article	IF	Citations
1956	Mechanistic Insights into Inorganic Nitrite-Mediated Vasodilation of Isolated Aortic Rings under Oxidative/Hypertensive Conditions and S-Nitros(yl)ation of Proteins in Germ-Free Mice. Biomedicines, 2022, 10, 730.	1.4	1
1957	Predicting Microbeâ€Disease Association Based on Heterogeneous Network and Global Graph Feature Learning. Chinese Journal of Electronics, 2022, 31, 345-353.	0.7	8
1958	Enterotoxigenic Escherichia coli : intestinal pathogenesis mechanisms and colonization resistance by gut microbiota. Gut Microbes, 2022, 14, 2055943.	4.3	39
1959	Biotin controls intestinal stem cell mitosis and host-microbiome interactions. Cell Reports, 2022, 38, 110505.	2.9	15
1960	Metabolomics of Multimorbidity: Could It Be the Quo Vadis?. Frontiers in Molecular Biosciences, 2022, 9, 848971.	1.6	2
1961	Milk and Fermented Milk Consumption and Risk of Stroke: Longitudinal Study. Nutrients, 2022, 14, 1070.	1.7	4
1962	Microbial regulation of intestinal motility provides resistance against helminth infection. Mucosal Immunology, 2022, 15, 1283-1295.	2.7	11
1963	Variation in diet composition and its relation to gut microbiota in a passerine bird. Scientific Reports, 2022, 12, 3787.	1.6	8
1964	Biochemical Basis of Xylooligosaccharide Utilisation by Gut Bacteria. International Journal of Molecular Sciences, 2022, 23, 2992.	1.8	7
1965	Bifidobacterium lactis Probio-M8 Adjuvant Treatment Confers Added Benefits to Patients with Coronary Artery Disease via Target Modulation of the Gut-Heart/-Brain Axes. MSystems, 2022, 7, e0010022.	1.7	26
1966	The Therapeutic Role of Exercise and Probiotics in Stressful Brain Conditions. International Journal of Molecular Sciences, 2022, 23, 3610.	1.8	8
1967	Postnatal intestinal mucosa and gut microbial composition develop hand in hand: A mouse study. Biomedical Journal, 2023, 46, 100519.	1.4	13
1968	Association Between Gut Microbiota and Osteoarthritis: A Review of Evidence for Potential Mechanisms and Therapeutics. Frontiers in Cellular and Infection Microbiology, 2022, 12, 812596.	1.8	16
1969	Review on predicting pairwise relationships between human microbes, drugs and diseases: from biological data to computational models. Briefings in Bioinformatics, 2022, 23, .	3.2	11
1970	Genomics-Based Reconstruction and Predictive Profiling of Amino Acid Biosynthesis in the Human Gut Microbiome. Microorganisms, 2022, 10, 740.	1.6	15
1973	Comparative Fecal Microbiota Analysis of Infants With Acute Bronchiolitis Caused or Not Caused by Respiratory Syncytial Virus. Frontiers in Cellular and Infection Microbiology, 2022, 12, 815715.	1.8	2
1974	Maternal Conjugated Linoleic Acid Supply in Combination With or Without Essential Fatty Acids During Late Pregnancy and Early Lactation: Investigations on Physico-Chemical Characteristics of the Jejunal Content and Jejunal Microbiota in Neonatal Calves. Frontiers in Veterinary Science, 2022, 9, 839860.	0.9	0
1975	Effects of Shrimp Peptide Hydrolysate on Intestinal Microbiota Restoration and Immune Modulation in Cyclophosphamide-Treated Mice. Molecules, 2022, 27, 1720.	1.7	16

#	Article	IF	Citations
1976	Small RNAs couple embryonic developmental programs to gut microbes. Science Advances, 2022, 8, eabl7663.	4.7	4
1977	The potential utility of fecal (or intestinal) microbiota transplantation in controlling infectious diseases. Gut Microbes, 2022, 14, 2038856.	4.3	16
1978	Alterations of gut microbiota diversity, composition and metabonomics in testosterone-induced benign prostatic hyperplasia rats. Military Medical Research, 2022, 9, 12.	1.9	18
1979	Lacticaseibacillus paracasei sh2020 induced antitumor immunity and synergized with anti-programmed cell death 1 to reduce tumor burden in mice. Gut Microbes, 2022, 14, 2046246.	4.3	27
1980	Oral Administration of Weissella confusa WIKIM51 Reduces Body Fat Mass by Modulating Lipid Biosynthesis and Energy Expenditure in Diet-Induced Obese Mice. Microbiology and Biotechnology Letters, 2022, 50, 135-146.	0.2	0
1981	New Paradigms for Familiar Diseases: Lessons Learned on Circulatory Bacterial Signatures in Cardiometabolic Diseases. Experimental and Clinical Endocrinology and Diabetes, 2022, , .	0.6	1
1982	Effects of high temperature on water quality, growth performance, enzyme activity and the gut bacterial community of shrimp (Litopenaeus vannamei). Aquaculture Research, 2022, 53, 3283-3296.	0.9	7
1983	Oral-Gut Microbiome Axis in the Pathogenesis of Cancer Treatment-Induced Oral Mucositis. Frontiers in Oral Health, 2022, 3, 881949.	1.2	17
1984	Comparison of changes in fecal microbiota of calves with and without dam. PeerJ, 2022, 10, e12826.	0.9	2
1985	Gut microbiota drives macrophage-dependent self-renewal of intestinal stem cells via niche enteric serotonergic neurons. Cell Research, 2022, 32, 555-569.	5.7	26
1986	Protective effects of oral administration of mixed probiotic spores of <scp> Bacillus subtilis </scp> and <scp> Bacillus coagulans </scp> on gut microbiota changes and intestinal and liver damage of rats infected with <scp> Salmonella Typhimurium </scp>. Journal of Food Safety, 0, , .	1.1	2
1987	MDGNN: Microbial Drug Prediction Based on Heterogeneous Multi-Attention Graph Neural Network. Frontiers in Microbiology, 2022, 13, 819046.	1.5	1
1988	Protective effects of 5-aminolevulinic acid against toxicity induced by alpha-cypermethrin to the liver-gut-microbiota axis in zebrafish. Ecotoxicology and Environmental Safety, 2022, 234, 113422.	2.9	5
1989	Tyrosol Ameliorates the Symptoms of Obesity, Promotes Adipose Thermogenesis, and Modulates the Composition of Gut Microbiota in HFD Fed Mice. Molecular Nutrition and Food Research, 2022, 66, e2101015.	1.5	26
1990	Salvianolic acid-modified chitosan particle for shift intestinal microbiota composition and metabolism to reduce benzopyrene toxicity for mice. Journal of Drug Delivery Science and Technology, 2022, 71, 103262.	1.4	0
1991	Targeting NLRP3 inflammasome modulates gut microbiota, attenuates corticospinal tract injury and ameliorates neurobehavioral deficits after intracerebral hemorrhage in mice. Biomedicine and Pharmacotherapy, 2022, 149, 112797.	2.5	33
1992	An insight to the therapeutic potential of algae-derived sulfated polysaccharides and polyunsaturated fatty acids: Focusing on the COVID-19. International Journal of Biological Macromolecules, 2022, 209, 244-257.	3.6	10
1993	Mucins Dynamics in Physiological and Pathological Conditions. International Journal of Molecular Sciences, 2021, 22, 13642.	1.8	22

#	Article	IF	Citations
1994	Targeted Development of Infant Microbiota on Formula Feeding: Modern Options. Voprosy Sovremennoi Pediatrii - Current Pediatrics, 2022, 20, 484-491.	0.1	2
1995	Pharmacomicrobiology of Methotrexate in Rheumatoid Arthritis: Gut Microbiome as Predictor of Therapeutic Response. Frontiers in Immunology, 2021, 12, 789334.	2.2	23
1996	Commensal gut bacterium critically regulates alveolar bone homeostasis. Laboratory Investigation, 2022, 102, 363-375.	1.7	9
1997	Lactobacillus plantarum alleviates irradiationâ€induced intestinal injury by activation of FXRâ€FGF15 signaling in intestinal epithelia. Journal of Cellular Physiology, 2022, 237, 1845-1856.	2.0	17
1998	Gut Microbiota and Acute Central Nervous System Injury: A New Target for Therapeutic Intervention. Frontiers in Immunology, 2021, 12, 800796.	2.2	30
1999	Divergence together with microbes: A comparative study of the associated microbiomes in the closely related Littorina species. PLoS ONE, 2021, 16, e0260792.	1.1	7
2000	The Communication Between Intestinal Microbiota and Ulcerative Colitis: An Exploration of Pathogenesis, Animal Models, and Potential Therapeutic Strategies. Frontiers in Medicine, 2021, 8, 766126.	1.2	11
2001	Understanding host-microbiota interactions in the commercial piglet around weaning. Scientific Reports, 2021, 11, 23488.	1.6	17
2002	MicroRNA and Gut Microbiota: Tiny but Mightyâ€"Novel Insights into Their Cross-talk in Inflammatory Bowel Disease Pathogenesis and Therapeutics. Journal of Crohn's and Colitis, 2022, 16, 992-1005.	0.6	26
2003	Fermented products and bioactive food compounds as a tool to activate autophagy and promote the maintenance of the intestinal barrier function. Trends in Food Science and Technology, 2021, 118, 905-919.	7.8	13
2004	Dietary Interventions Ameliorate Infectious Colitis by Restoring the Microbiome and Promoting Stem Cell Proliferation in Mice. International Journal of Molecular Sciences, 2022, 23, 339.	1.8	9
2005	Parkinsonâ€™s Disease and the Metalâ€“Microbiomeâ€“Gutâ€“Brain Axis: A Systems Toxicology Approach. Antioxidants, 2022, 11, 71.	2.2	7
2006	Mobilization of vitamin B12 transporters alters competitive dynamics in a human gut microbe. Cell Reports, 2021, 37, 110164.	2.9	8
2007	Eggshell microbiota of a brood parasite reflects environment, not species. Journal of Ornithology, 0, , 1.	0.5	0
2008	Gut Microbiota Dysbiosis and Altered Bile Acid Catabolism Lead to Metabolic Disorder in Psoriasis Mice. Frontiers in Microbiology, 2022, 13, 853566.	1.5	4
2009	Probiotics-Supplemented Low-Protein Diet for Microbiota Modulation in Patients with Advanced Chronic Kidney Disease (ProLowCKD): Results from a Placebo-Controlled Randomized Trial. Nutrients, 2022, 14, 1637.	1.7	16
2010	Bacillus cereus (EG-Q3) in the Gut of Ectropis grisescens Contributes to Host Response to Starvation Conditions. Frontiers in Microbiology, 2022, 13, 785415.	1.5	1
2011	Exploring the Gut Microbiome in Myasthenia Gravis. Nutrients, 2022, 14, 1647.	1.7	17

#	Article	IF	Citations
2012	MVGCNMDA: Multi-view Graph Augmentation Convolutional Network for Uncovering Disease-Related Microbes. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 669-682.	2.2	9
2013	Core Gut Microbiota of Shrimp Function as a Regulator to Maintain Immune Homeostasis in Response to WSSV Infection. Microbiology Spectrum, 2022, 10, e0246521.	1.2	10
2014	Industrially Produced Rice Protein Ameliorates Dextran Sulfate Sodium-Induced Colitis via Protecting the Intestinal Barrier, Mitigating Oxidative Stress, and Regulating Gut Microbiota. Journal of Agricultural and Food Chemistry, 2022, 70, 4952-4965.	2.4	13
2015	Effect of gluten-free diet and antibiotics on murine gut microbiota and immune response to tetanus vaccination. PLoS ONE, 2022, 17, e0266719.	1.1	3
2147	The Role of Depletion of Gut Microbiota in Osteoporosis and Osteoarthritis: A Narrative Review. Frontiers in Endocrinology, 2022, 13, 847401.	1.5	13
2148	The gut microbiome is associated with bone turnover markers in postmenopausal women.. American Journal of Translational Research (discontinued), 2021, 13, 12601-12613.	0.0	0
2150	Mutational Pattern Induced by 5-Fluorouracil and Oxaliplatin in the Gut Microbiome. Frontiers in Microbiology, 2022, 13, 841458.	1.5	3
2151	Early exposures and inherent factors in premature newborns are associated with type 1 diabetes. Pediatric Research, 2022, , .	1.1	1
2152	A Reciprocal Link Between Gut Microbiota, Inflammation and Depression: A Place for Probiotics?. Frontiers in Neuroscience, 2022, 16, 852506.	1.4	8
2153	Changes to the gut microbiota of a wild juvenile passerine in a multidimensional urban mosaic. Scientific Reports, 2022, 12, 6872.	1.6	9
2154	Cultivation of gut microorganisms of the marine ascidian Halocynthia roretzi reveals their potential roles in the environmental adaptation of their host. Marine Life Science and Technology, 2022, 4, 201-207.	1.8	5
2155	Dietary carbohydrate-to-protein ratio influences growth performance, hepatic health and dynamic of gut microbiota in atlantic salmon (Salmo salar). Animal Nutrition, 2022, 10, 261-279.	2.1	19
2156	Fecal microbiota transfer between young and aged mice reverses hallmarks of the aging gut, eye, and brain. Microbiome, 2022, 10, 68.	4.9	107
2157	Microbiota Intestinal e Sistema Nervoso Central: explorando o eixo cÃ©rebro e intestino. Revista Neurociencias, 0, 30, 1-29.	0.0	1
2158	Lipotoxicity as the Leading Cause of Non-Alcoholic Steatohepatitis. International Journal of Molecular Sciences, 2022, 23, 5146.	1.8	22
2159	Beneficial commensal bacteria promote Drosophila growth by downregulating the expression of peptidoglycan recognition proteins. IScience, 2022, 25, 104357.	1.9	8
2160	The microbiome restrains melanoma bone growth by promoting intestinal NK and Th1 cell homing to bone. Journal of Clinical Investigation, 2022, 132, .	3.9	12
2161	Metabolic Synergy between Human Symbionts Bacteroides and Methanobrevibacter. Microbiology Spectrum, 2022, 10, e0106722.	1.2	10

#	Article	IF	Citations
2162	Revisiting the concept of incretin and enteroendocrine L-cells as type 2 diabetes mellitus treatment. Pharmacological Research, 2022, 180, 106237.	3.1	3
2163	A review of research on the impact of E171/TiO2 NPs on the digestive tract. Journal of Trace Elements in Medicine and Biology, 2022, 72, 126988.	1.5	4
2164	Regulation of the intestinal flora: A potential mechanism of natural medicines in the treatment of type 2 diabetes mellitus. Biomedicine and Pharmacotherapy, 2022, 151, 113091.	2.5	11
2165	Fecal microbiota transplantation is associated with improved aspects of mental health of patients with recurrent Clostridioides difficile infections. Journal of Affective Disorders Reports, 2022, 9, 100355.	0.9	3
2166	Arginine-mediated gut microbiome remodeling promotes host pulmonary immune defense against nontuberculous mycobacterial infection. Gut Microbes, 2022, 14, 2073132.	4.3	21
2167	An Overview of Waste Milk Feeding Effect on Growth Performance, Metabolism, Antioxidant Status and Immunity of Dairy Calves. Frontiers in Veterinary Science, 2022, 9, .	0.9	2
2168	Microbiomes of the Sydney Rock Oyster are acquired through both vertical and horizontal transmission. Animal Microbiome, 2022, 4, 32.	1.5	11
2169	Neisseria genes required for persistence identified via in vivo screening of a transposon mutant library. PLoS Pathogens, 2022, 18, e1010497.	2.1	3
2170	Intestinal Microbiota Regulate Certain Meat Quality Parameters in Chicken. Frontiers in Nutrition, 2022, 9, 747705.	1.6	29
2171	Gut microbiome in schizophrenia and antipsychotic-induced metabolic alterations: a scoping review. Therapeutic Advances in Psychopharmacology, 2022, 12, 204512532210965.	1.2	17
2172	Survival status of Penaeus vannamei is associated with the homeostasis and assembly process of the intestinal bacterial community. Aquaculture, 2022, 558, 738398.	1.7	3
2173	The Connection Between Physical Exercise and Gut Microbiota: Implications for Competitive Sports Athletes. Sports Medicine, 2022, 52, 2355-2369.	3.1	42
2174	Effects of captivity and rewilding on amphibian skin microbiomes. Biological Conservation, 2022, 271, 109576.	1.9	25
2175	The Role of Microbiota in Drosophila melanogaster Aging. Frontiers in Aging, 2022, 3, .	1.2	18
2176	Comparative analysis of the gut microbiota composition between knee osteoarthritis and Kashin-Beck disease in Northwest China. Arthritis Research and Therapy, 2022, 24, .	1.6	6
2177	Prebiotics as a Tool for the Prevention and Treatment of Obesity and Diabetes: Classification and Ability to Modulate the Gut Microbiota. International Journal of Molecular Sciences, 2022, 23, 6097.	1.8	29
2178	Excess Growth Hormone Alters the Male Mouse Gut Microbiome in an Age-dependent Manner. Endocrinology, 2022, 163, .	1.4	4
2180	Microbial Interspecies Interactions and Their Impact on the Emergence and Spread of Antimicrobial Resistance. Annual Review of Microbiology, 2022, 76, 179-192.	2.9	7

#	Article	IF	Citations
2181	Focus on the Role of the NLRP3 Inflammasome in Multiple Sclerosis: Pathogenesis, Diagnosis, and Therapeutics. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	17
2182	A high-calorie diet aggravates LPS-induced pneumonia by disturbing the gut microbiota and Th17/Treg balance. Journal of Leukocyte Biology, 2022, 112, 127-141.	1.5	9
2183	Population bottlenecks constrain host microbiome diversity and genetic variation impeding fitness. PLoS Genetics, 2022, 18, e1010206.	1.5	10
2184	Short-chain fatty acids promote the effect of environmental signals on the gut microbiome and metabolome in mice. Communications Biology, 2022, 5, .	2.0	16
2185	Biological Potential, Gastrointestinal Digestion, Absorption, and Bioavailability of Algae-Derived Compounds with Neuroprotective Activity: A Comprehensive Review. Marine Drugs, 2022, 20, 362.	2.2	14
2187	Processus neurodÃ©gÃ©nÃ©ratifs etÂinflammation. , 2022, , 3-16.		0
2189	Gut Microbiota: Impact on Pharmacokinetics. , 2022, , 514-518.		0
2190	Effects of Non-Protein Nitrogen Sources on In Vitro Rumen Fermentation Characteristics and Microbial Diversity. Frontiers in Animal Science, 0, 3, .	0.8	2
2191	Comparison of Gut Microbiota Diversity Between Captive and Wild Tokay Gecko (Gekko gecko). Frontiers in Microbiology, 0, 13, .	1.5	4
2192	Mind the Gap: Bridging the Divide from Sequencing Data to Empiric Phenotypes in the Human Gut Microbiota. MSystems, 0, , .	1.7	0
2193	Effects of Dietary Antimicrobial Growth Promoters on Performance Parameters and Abundance and Diversity of Broiler Chicken Gut Microbiome and Selection of Antibiotic Resistance Genes. Frontiers in Microbiology, 0, 13, .	1.5	10
2194	Intestinal microbiota of layer hens and its association with egg quality and safety. Poultry Science, 2022, 101, 102008.	1.5	21
2195	Integrating the Gut Microbiome and Stress-Diathesis to Explore Post-Trauma Recovery: An Updated Model. Pathogens, 2022, 11, 716.	1.2	2
2196	Telomere is Shortened in Patients with Irritable Bowel Syndrome in the Chinese Population. Journal of Gastroenterology and Hepatology (Australia), 0, , .	1.4	4
2197	Review of glucose oxidase as a feed additive: production, engineering, applications, growth-promoting mechanisms, and outlook. Critical Reviews in Biotechnology, 2023, 43, 698-715.	5.1	4
2198	Analyses of locomotion, wing morphology, and microbiome in Drosophila nigrosparsa after recovery from antibiotics. MicrobiologyOpen, 2022, 11, .	1.2	4
2199	Microflora Influence: The Aquatic Environment Changes Grouping Risk and Development Speed of Toad Tadpoles. Frontiers in Ecology and Evolution, 0, 10, .	1.1	2
2200	Polystyrene microplastics exacerbated liver injury from cyclophosphamide in mice: Insight into gut microbiota. Science of the Total Environment, 2022, 840, 156668.	3.9	25

#	Article	IF	Citations
2202	Microbial Diversity Analyses of Fertilized Thitarodes Eggs and Soil Provide New Clues About the Occurrence of Chinese Cordyceps. Current Microbiology, 2022, 79, .	1.0	0
2204	Local Delivery of Streptomycin in Microcontainers Facilitates Colonization of Streptomycin-Resistant Escherichia coli in the Rat Colon. Applied and Environmental Microbiology, 0, , .	1.4	1
2205	Simulated Climate Warming Influenced Colony Microclimatic Conditions and Gut Bacterial Abundance of Honeybee SubspeciesApis mellifera ligusticaandA. mellifera sinisxinyuan. Journal of Apicultural Science, 2022, 66, 15-27.	0.1	1
2206	Mitochondrial Function and Microbial Metabolites as Central Regulators of Intestinal Immune Responses and Cancer. Frontiers in Microbiology, 0, 13, .	1.5	2
2207	Heatâ€killed Pseudoalteromonas piscicida 2515 decreased bacterial dose and improved immune resistance against Vibrio anguillarum in juvenile olive flounder (Paralichthys olivaceus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	n/a	4
2208	Cross-Talk Between Gut Microbiota and Adipose Tissues in Obesity and Related Metabolic Diseases. Frontiers in Endocrinology, 0, 13, .	1.5	20
2209	Associations of gut microbiota with dyslipidemia based on sex differences in subjects from Northwestern China. World Journal of Gastroenterology, 2022, 28, 3455-3475.	1.4	9
2210	Microbiome Heritability and Its Role in Adaptation of Hosts to Novel Resources. Frontiers in Microbiology, 0, 13, .	1.5	3
2212	Mapping the global research landscape on nutrition and the gut microbiota: Visualization and bibliometric analysis. World Journal of Gastroenterology, 2022, 28, 2981-2993.	1.4	12
2213	NF-Î°B Regulation by Gut Microbiota Decides Homeostasis or Disease Outcome During Ageing. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	8
2214	Association between intestinal microbiota and inflammatory bowel disease. Animal Models and Experimental Medicine, 2022, 5, 311-322.	1.3	31
2216	The Efficacy of S-Adenosyl Methionine and Probiotic Supplementation on Depression: A Synergistic Approach. Nutrients, 2022, 14, 2751.	1.7	14
2217	Inflammation, microbiome and colorectal cancer disparity in African-Americans: Are there bugs in the genetics?. World Journal of Gastroenterology, 2022, 28, 2783-2801.	1.4	0
2218	Circadian Rhythms Coordinated With Gut Microbiota Partially Account for Individual Differences in Hepatitis B-Related Cirrhosis. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	3
2219	Symbiosis: the other cells in development. Development (Cambridge), 2022, 149, .	1.2	13
2220	Inflammation, microbiome and colorectal cancer disparity in African-Americans: Are there bugs in the genetics?. World Journal of Gastroenterology, 2022, 28, 2782-2801.	1.4	5
2221	Grazing by an endemic atyid shrimp controls microbial communities in the Hawaiian anchialine ecosystem. Limnology and Oceanography, 0, , .	1.6	1
2222	Childhood body mass index and associations with infant gut metabolites and secretory IgA: findings from a prospective cohort study. International Journal of Obesity, 2022, 46, 1712-1719.	1.6	4

#	Article	IF	Citations
2223	Effects of Oral Glucose-Lowering Agents on Gut Microbiota and Microbial Metabolites. Frontiers in Endocrinology, 0, 13, .	1.5	9
2224	Study on the toxic-mechanism of triclosan chronic exposure to zebrafish (Danio rerio) based on gut-brain axis. Science of the Total Environment, 2022, 844, 156936.	3.9	14
2225	Porphyran From Porphyra haitanensis Alleviates Obesity by Reducing Lipid Accumulation and Modulating gut Microbiota Homeostasis. Frontiers in Pharmacology, 0, 13, .	1.6	4
2226	Characteristics of gut microbiota in representative mice strains: Implications for biological research. Animal Models and Experimental Medicine, 2022, 5, 337-349.	1.3	9
2227	Microbiota and Hematological Diseases. International Journal of Hematology-Oncology and Stem Cell Research, 0, , .	0.3	1
2228	Material Engineering in Gut Microbiome and Human Health. Research, 2022, 2022, .	2.8	3
2229	Ontogenetic characteristics of the intestinal microbiota of Quasipaa spinosa revealed by 16S rRNA gene sequencing. Letters in Applied Microbiology, 2022, 75, 1182-1192.	1.0	2
2230	Changes in intestinal microbiota in postmenopausal oestrogen receptor-positive breast cancer patients treated with (neo)adjuvant chemotherapy. Npj Breast Cancer, 2022, 8, .	2.3	10
2231	The Potential of Honey as a Prebiotic Food to Re-engineer the Gut Microbiome Toward a Healthy State. Frontiers in Nutrition, 0, 9, .	1.6	16
2232	Promoting intestinal IgA production in mice by oral administration with anthocyanins. Frontiers in Immunology, 0, 13, .	2.2	4
2233	Apyrase-mediated amplification of secretory IgA promotes intestinal homeostasis. Cell Reports, 2022, 40, 111112.	2.9	4
2234	Dietary protein increases T-cell-independent sIgA production through changes in gut microbiota-derived extracellular vesicles. Nature Communications, 2022, 13, .	5.8	22
2235	Prediction of gestational diabetes mellitus and perinatal outcomes by plasma zonulin levels. Archives of Gynecology and Obstetrics, 2024, 309, 119-126.	0.8	1
2236	Age-dependent effects of gut microbiota metabolites on brain resident macrophages. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	7
2237	Characterizing the chicken gut colonization ability of a diverse group of bacteria. Poultry Science, 2022, 101, 102136.	1.5	5
2238	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.	1.7	3
2239	Neighborhood-based inference and restricted Boltzmann machine for microbe and drug associations prediction. PeerJ, 0, 10, e13848.	0.9	3
2240	To investigate the effects of artemisinin on inflammatory factors and intestinal microbiota in rats with ulcerative colitis based on network pharmacology. , 0, 1, .		0

#	Article	IF	Citations
2241	Taxonomic and functional dynamics during chytrid epidemics in an aquatic ecosystem. Molecular Ecology, 0, , .	2.0	1
2242	Colon mucus in colorectal neoplasia and beyond. World Journal of Gastroenterology, 2022, 28, 4475-4492.	1.4	2
2243	Antibiotic-induced alternations in gut microflora are associated with the suppression of immune-related pathways in grass carp (Ctenopharyngodon idellus). Frontiers in Immunology, 0, 13, .	2.2	16
2244	Spatial Variation of False Map Turtle (Graptemys pseudogeographica) Bacterial Microbiota in the Lower Missouri River, United States. Journal of Herpetology, 2022, 56, .	0.2	1
2245	Tremella fuciformis polysaccharides alleviate induced atopic dermatitis in mice by regulating immune response and gut microbiota. Frontiers in Pharmacology, 0, 13, .	1.6	5
2246	Biological roles of toll-like receptors and gut microbiota in colorectal cancer. Future Microbiology, 2022, 17, 1071-1089.	1.0	2
2247	Acetate, a gut bacterial product, ameliorates ischemia-reperfusion induced acute lung injury in rats. International Immunopharmacology, 2022, 111, 109136.	1.7	9
2248	Alleviative effect of biofloc technology (BFT) on extruded soybean meal (ESBM)-induced growth inhibition and intestinal barrier dysfunction in Rhynchocypris lagowskii. Aquaculture, 2022, 561, 738677.	1.7	7
2249	Significant compositional and functional variation reveals the patterns of gut microbiota evolution among the widespread Asian honeybee populations. Frontiers in Microbiology, 0, 13, .	1.5	5
2250	Linking the bacterial microbiome between gut and habitat soil of Tibetan macaque (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	2
2251	Limosilactobacillus reuteri DS0384 promotes intestinal epithelial maturation via the postbiotic effect in human intestinal organoids and infant mice. Gut Microbes, 2022, 14, .	4.3	10
2252	Diet, microbiota, and the mucus layer: The guardians of our health. Frontiers in Immunology, 0, 13, .	2.2	33
2253	The complex immunological role of Helicobacter in modulating cancer. Trends in Immunology, 2022, 43, 826-832.	2.9	0
2254	Probiotics for constipation and gut microbiota in Parkinson's disease. Parkinsonism and Related Disorders, 2022, 103, 92-97.	1.1	20
2255	Bidirectional crosstalk between dysbiotic gut microbiota and systemic lupus erythematosus: What is new in therapeutic approaches?. Clinical Immunology, 2022, 244, 109109.	1.4	6
2256	Design, synthesis, spectroscopic characterizations, antidiabetic, in silico and kinetic evaluation of novel curcumin-fused aldohexoses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 285, 121806.	2.0	8
2257	Prospective role of prebiotics and probiotics in gut immunity. , 2022, , 387-404.		1
2258	Gastroenterology (GI). , 2022, , 81-96.		0

#	Article	IF	Citations
2259	An introduction to human microbiome. Progress in Molecular Biology and Translational Science, 2022, , .	0.9	0
2260	Gut microbiome in the emergence of antibiotic-resistant bacterial pathogens. Progress in Molecular Biology and Translational Science, 2022, , 1-31.	0.9	0
2261	Polypharmacology in Clinical Applications: Gastrointestinal Polypharmacology. , 2022, , 301-321.		1
2262	Human microbiome and cardiovascular diseases. Progress in Molecular Biology and Translational Science, 2022, , 231-279.	0.9	3
2263	The Factors Influencing Gut Microbiota in Autoimmune Diseases. , 2022, , 69-90.		0
2264	Tools to Study Gut Microbiome. , 2022, , 253-270.		0
2265	Nanoplastics, Gut Microbiota, and Neurodegeneration. , 2022, , 211-234.		0
2266	Opioids and the Immune System. , 2022, , 249-285.		0
2267	The intestinal microbiome and the role of probiotics/prebiotics in the therapeutic approach of atopic dermatitis: A review. , 2022, 125, 480-486.		0
2269	Risk factors for attention deficit hypersensitivity disorder in children: A systematic review. International Journal of Developmental Neuroscience, 0, , .	0.7	1
2270	Cell Membrane-Coated Nanoparticles for Management of Infectious Diseases: A Review. Industrial & Engineering Chemistry Research, 2022, 61, 12867-12883.	1.8	4
2271	MELHORADORES DE DESEMPENHO SUSTENTÃVEIS NA DIETA DE CODORNAS. Veterinaria E Zootecnia, 0, 29, 1-11.	0.0	0
2272	Chronic dietary exposure to a glyphosate-based herbicide results in total or partial reversibility of plasma oxidative stress, cecal microbiota abundance and short-chain fatty acid composition in broiler hens. Frontiers in Physiology, 0, 13, .	1.3	10
2273	Maternal effects on early-life gut microbiota maturation in a wild nonhuman primate. Current Biology, 2022, 32, 4508-4520.e6.	1.8	5
2274	Circadian mechanism disruption is associated with dysregulation of inflammatory and immune responses: a systematic review. Beni-Suef University Journal of Basic and Applied Sciences, 2022, 11, .	0.8	3
2275	What lives on and in the sea turtle? A literature review of sea turtle bacterial microbiota. Animal Microbiome, 2022, 4, .	1.5	5
2276	From germ-free to wild: modulating microbiome complexity to understand mucosal immunology. Mucosal Immunology, 2022, 15, 1085-1094.	2.7	7
2277	The effects of microbiota on reproductive health: A review. Critical Reviews in Food Science and Nutrition, 2024, 64, 1486-1507.	5.4	5

#	Article	IF	Citations
2278	Communication in non-communicable diseases (NCDs) and role of immunomodulatory nutraceuticals in their management. Frontiers in Nutrition, 0, 9, .	1.6	0
2279	Comparative study of the function and structure of the gut microbiota in Siberian musk deer and Forest musk deer. Applied Microbiology and Biotechnology, 2022, 106, 6799-6817.	1.7	3
2280	Long term weight cycling affects fecal microbiota of mice. Molecular Nutrition and Food Research, 0, , 2200439.	1.5	1
2281	Mucosa-interfacing electronics. Nature Reviews Materials, 2022, 7, 908-925.	23.3	35
2282	Micro(nano)plastics in food system: potential health impacts on human intestinal system. Critical Reviews in Food Science and Nutrition, 2024, 64, 1429-1447.	5.4	12
2283	Gut microbiotaâ€stem cell niche crosstalk: A new territory for maintaining intestinal homeostasis. , 2022, 1, .		8
2284	Multi-omics analysis reveals the hostâ€“microbe interactions in aged rhesus macaques. Frontiers in Microbiology, 0, 13, .	1.5	4
2285	Strain engineering and metabolic flux analysis of a probiotic yeast Saccharomyces boulardii for metabolizing l-fucose, a mammalian mucin component. Microbial Cell Factories, 2022, 21, .	1.9	4
2286	Identification of Gut Microbiota Affecting Fiber Digestibility in Pigs. Current Issues in Molecular Biology, 2022, 44, 4557-4569.	1.0	6
2287	Gut Microbiota in Nutrition and Health with a Special Focus on Specific Bacterial Clusters. Cells, 2022, 11, 3091.	1.8	9
2289	Quorum sensing mediates gut bacterial communication and host-microbiota interaction. Critical Reviews in Food Science and Nutrition, 0, , 1-13.	5.4	1
2290	Role of gut microbiota in the pathogenesis and treatment of diabetes mullites: Advanced research-based review. Frontiers in Microbiology, 0, 13, .	1.5	14
2291	Shark Provisioning Influences the Gut Microbiota of the Black-Tip Reef Shark in French Polynesia. Fishes, 2022, 7, 312.	0.7	2
2292	Effects of Dietary Coated Lysozyme on the Growth Performance, Antioxidant Activity, Immunity and Gut Health of Weaned Piglets. Antibiotics, 2022, 11, 1470.	1.5	2
2293	A collaborative synthetase. Nature Chemical Biology, 0, , .	3.9	0
2294	PrecociousÂpubertyÂand microbiota:ÂThe role of theÂsex hormoneâ€“gutÂmicrobiomeÂaxis. Frontiers in Endocrinology, 0, 13, .	1.5	8
2295	Response of Ruminal Microbiotaâ€“Host Gene Interaction to High-Altitude Environments in Tibetan Sheep. International Journal of Molecular Sciences, 2022, 23, 12430.	1.8	3
2296	Pear pomace soluble dietary fiber ameliorates the negative effects of high-fat diet in mice by regulating the gut microbiota and associated metabolites. Frontiers in Nutrition, 0, 9, .	1.6	7

#	Article	IF	Citations
2297	Use of Personalized Biomarkers in Metastatic Colorectal Cancer and the Impact of AI. Cancers, 2022, 14, 4834.	1.7	0
2298	Potential Probiotics Role in Excluding Antibiotic Resistance. Journal of Food Quality, 2022, 2022, 1-20.	1.4	0
2299	Effects of different amoxicillin treatment durations on microbiome diversity and composition in the gut. PLoS ONE, 2022, 17, e0275737.	1.1	6
2300	Red, Gold and Green: Microbial Contribution of Rhodophyta and Other Algae to Green Turtle (Chelonia mydas) Gut Microbiome. Microorganisms, 2022, 10, 1988.	1.6	0
2301	Crosstalk between the Gut and Brain in Ischemic Stroke: Mechanistic Insights and Therapeutic Options. Mediators of Inflammation, 2022, 2022, 1-17.	1.4	2
2302	Yeast mannoproteins are expected to be a novel potential functional food for attenuation of obesity and modulation of gut microbiota. Frontiers in Nutrition, 0, 9, .	1.6	5
2303	The Role of the Human Microbiome in the Pathogenesis of Pain. International Journal of Molecular Sciences, 2022, 23, 13267.	1.8	16
2304	Innate and Peripheral Immune Alterations after Traumatic Brain Injury Are Regulated in a Gut Microbiota-Dependent Manner in Mice. Journal of Neurotrauma, 2023, 40, 772-787.	1.7	6
2305	Dietary rosemary extract modulated gut microbiota and influenced the growth, meat quality, serum biochemistry, antioxidant, and immune capacities of broilers. Frontiers in Microbiology, 0, 13, .	1.5	4
2306	Gut microbiome composition better reflects host phylogeny than diet diversity in breeding woodâ€warblers. Molecular Ecology, 2023, 32, 518-536.	2.0	2
2307	Mulberry leaf extract improves intestinal barrier function and displays beneficial effects on colonic microbiota and microbial metabolism in weaned piglets. Journal of the Science of Food and Agriculture, 2023, 103, 1561-1568.	1.7	2
2308	The Potential Impact of Age on Gut Microbiota in Patients with Major Depressive Disorder: A Secondary Analysis of the Prospective Observational Study. Journal of Personalized Medicine, 2022, 12, 1827.	1.1	2
2309	Antibiotics use and risk of colorectal neoplasia: An updated meta-analysis. International Journal of Colorectal Disease, 2022, 37, 2291-2301.	1.0	2
2310	Metallobiology of Lactobacillaceae in the gut microbiome. Journal of Inorganic Biochemistry, 2023, 238, 112023.	1.5	17
2311	Mesenchymal Stem Cell-Probiotic Communication: Beneficial Bacteria in Preconditioning. , 2022, , 545-564.		0
2312	Microalgae oil fromSchizochytriumsp. alleviates obesity and modulates gut microbiota in high-fat diet-fed mice. Food and Function, 2022, 13, 12799-12813.	2.1	3
2313	Asthma Phenotypes and the Microbiome. European Medical Journal Allergy & Immunology, 0, , 82-90.	0.0	2
2315	Interactions between Dietary Micronutrients, Composition of the Microbiome and Efficacy of Immunotherapy in Cancer Patients. Cancers, 2022, 14, 5577.	1.7	3

#	Article	IF	Citations
2316	The Lignan-Rich Fraction from Sambucus williamsii Hance Exerts Bone Protective Effects via Altering Circulating Serotonin and Gut Microbiota in Rats. Nutrients, 2022, 14, 4718.	1.7	7
2317	Role of the intestinal microbiota in the pathogenesis of multiple sclerosis. Part 1. Clinical and experimental evidence for the involvement of the gut microbiota in the development of multiple sclerosis. Meditsinskii Akademicheskii Zhurnal, 2022, 2, 9-36.	0.2	1
2318	Salvia miltiorrhiza extract may exert an anti-obesity effect in rats with high-fat diet-induced obesity by modulating gut microbiome and lipid metabolism. World Journal of Gastroenterology, 0, 28, 6131-6156.	1.4	2
2319	GSAMDA: a computational model for predicting potential microbeâ€“drug associations based on graph attention network and sparse autoencoder. BMC Bioinformatics, 2022, 23, .	1.2	7
2320	Modulation of the porcine intestinal microbiota in the course of Ascaris suum infection. Parasites and Vectors, 2022, 15, .	1.0	3
2322	The gut-brain axis in ischemic stroke: its relevance in pathology and as a therapeutic target. Neurological Research and Practice, 2022, 4, .	1.0	8
2323	Gut microbiome modulation: Ancillary effects of inorganic nanoparticles on gut microflora. Biocell, 2023, 47, 245-260.	0.4	1
2324	Inosine, gut microbiota, and cancer immunometabolism. American Journal of Physiology - Endocrinology and Metabolism, 2023, 324, E1-E8.	1.8	12
2325	Role of enteric glia and microbiota-gut-brain axis in parkinson disease pathogenesis. Ageing Research Reviews, 2023, 84, 101812.	5.0	17
2326	Living probiotic biomaterials for osteoporosis therapy. , 2023, 1, 52-64.		7
2327	Characterization of insoluble dietary fiber from Pleurotus eryngii and evaluation of its effects on obesity-preventing or relieving effects via modulation of gut microbiota. Journal of Future Foods, 2023, 3, 55-66.	2.0	6
2328	Fecal and cloacal microbiomes of cold-stunned loggerhead Caretta caretta, Kempâ€™s ridley Lepidochelys kempii, and green sea turtles Chelonia mydas. Endangered Species Research, 0, , .	1.2	0
2329	Comparative Study of the Gut Microbiota Community between the Farmed and Wild Mastacembelus armatus (Zig-Zag Eel). Metabolites, 2022, 12, 1193.	1.3	1
2330	Microbiota in a long survival discourse with the human host. Archives of Microbiology, 2023, 205, .	1.0	4
2331	New Insights into the Gut Microbiota in Neurodegenerative Diseases from the Perspective of Redox Homeostasis. Antioxidants, 2022, 11, 2287.	2.2	8
2332	Advances in research of microbiome regulation as a therapy for liver failure. World Chinese Journal of Digestology, 2022, 30, 971-977.	0.0	0
2333	Minocycline-induced disruption of the intestinal FXR/FGF15 axis impairs osteogenesis in mice. JCI Insight, 2023, 8, .	2.3	7
2334	Osteoarthritis and intestinal microbiota: pathogenetic significance of the joint â€” gut â€” microbiome axis. BolÊ¹, Sustavy, PozvonoÄnik, 2022, 12, 72-80.	0.1	0

#	Article	IF	Citations
2335	Dysbiosis of Fecal Microbiota in Tg2576 Mice for Alzheimerâ€™s Disease during Pathological Constipation. International Journal of Molecular Sciences, 2022, 23, 14928.	1.8	3
2336	Microbial and Immune Regulation of the Gut-Lung Axis during Viral-Bacterial Coinfection. Journal of Bacteriology, 2023, 205, .	1.0	3
2337	Effects of Dietary Quinoa Seeds on Cecal Microorganisms and Muscle Fatty Acids of Female Luhua Chickens. Animals, 2022, 12, 3334.	1.0	1
2338	Microbial bile salt hydrolase activity influences gene expression profiles and gastrointestinal maturation in infant mice. Gut Microbes, 2022, 14, .	4.3	4
2340	Comparative analysis of intestinal flora between rare wild red-crowned crane and white-naped crane. Frontiers in Microbiology, 0, 13, .	1.5	1
2341	Underdevelopment of gut microbiota in failure to thrive infants of up to 12 months of age. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	1
2342	Comparison of the Gill Microbiome of Retail Oysters from Two Geographical Locations Exhibited Distinct Microbial Signatures: A Pilot Study for Potential Future Applications for Monitoring Authenticity of Their Origins. Applied Microbiology, 2023, 3, 1-10.	0.7	3
2343	Shaping infant development from the inside out: Bioactive factors in human milk. Seminars in Perinatology, 2023, 47, 151690.	1.1	7
2344	Longitudinal Study of the Effects of Flammulina velutipes Stipe Wastes on the Cecal Microbiota of Laying Hens. MSystems, 2023, 8, .	1.7	2
2345	NAD precursors cycle between host tissues and the gut microbiome. Cell Metabolism, 2022, 34, 1947-1959.e5.	7.2	35
2346	Maintenance of gut microbiome stability for optimum intestinal health in pigs â€“ a review. Journal of Animal Science and Biotechnology, 2022, 13, .	2.1	6
2347	New insights into bacterial mechanisms and potential intestinal epithelial cell therapeutic targets of inflammatory bowel disease. Frontiers in Microbiology, 0, 13, .	1.5	2
2348	Non-caloric artificial sweeteners modulate conjugative transfer of multi-drug resistance plasmid in the gut microbiota. Gut Microbes, 2023, 15, .	4.3	18
2349	Gut microbiota of the young ameliorates physical fitness of the aged in mice. Microbiome, 2022, 10, .	4.9	19
2350	Short Chain Fatty Acid Metabolism in Relation to Gut Microbiota and Genetic Variability. Nutrients, 2022, 14, 5361.	1.7	24
2351	Tremella fuciformis polysaccharide reduces obesity in high-fat diet-fed mice by modulation of gut microbiota. Frontiers in Microbiology, 0, 13, .	1.5	10
2352	Tavuklarda Sindirim Sistemi MikrobiyotasÄ±: Ã–nemi ve TanÄ± YÃ¶ntemleri. Harran Ãœniversitesi Veteriner FakÃ¼ltesi Dergisi, 0, , .	0.1	0
2353	Characterizations of the Gut Bacteriome, Mycobiome, and Virome in Patients with Osteoarthritis. Microbiology Spectrum, 0, , .	1.2	10

#	Article	IF	Citations
2354	<scp>Peptidoglycan recognition protein SC (PGRPâ€SC)</scp> shapes gut microbiota richness, diversity and composition by modulating immunity in the house fly Musca domestica. Insect Molecular Biology, 2023, 32, 200-212.	1.0	4
2355	Gut and genital tract microbiomes: Dysbiosis and link to gynecological disorders. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	14
2356	Diversity and Prevalence of Clostridium innocuum in the Human Gut Microbiota. MSphere, 2023, 8, .	1.3	6
2357	Zebrafish: an efficient vertebrate model for understanding role of gut microbiota. Molecular Medicine, 2022, 28, .	1.9	11
2358	The enteric nervous system. Physiological Reviews, 2023, 103, 1487-1564.	13.1	48
2360	Neurodevelopmental outcome of infants who develop necrotizing enterocolitis: The gut-brain axis. Seminars in Perinatology, 2023, 47, 151694.	1.1	8
2361	An investigation of the influence of intestinal flora in external traditional Chinese medicine therapy. Journal of Traditional Chinese Medical Sciences, 2022, , .	0.1	0
2362	The influences of microbial colonisation and germ-free status on the chicken TCRÎ² repertoire. Frontiers in Immunology, 0, 13, .	2.2	2
2363	Microbiota of the gastrointestinal tract: Friend or foe?. World Journal of Gastroenterology, 0, 29, 19-42.	1.4	16
2364	Oropharyngeal, proximal colonic, and vaginal microbiomes of healthy Korean native black pig gilts. BMC Microbiology, 2023, 23, .	1.3	2
2365	Effects of cottonseed meal on performance, gossypol residue, liver function, lipid metabolism, and cecal microbiota in geese. Journal of Animal Science, 2023, 101, .	0.2	1
2366	Asthma, obesity, and microbiota: A complex immunological interaction. Immunology Letters, 2023, 255, 10-20.	1.1	6
2367	MAFLD and Celiac Disease in Children. International Journal of Molecular Sciences, 2023, 24, 1764.	1.8	3
2368	Fecal microbiota transplantation and short-chain fatty acids reduce sepsis mortality by remodeling antibiotic-induced gut microbiota disturbances. Frontiers in Immunology, 0, 13, .	2.2	11
2369	Circadian rhythms of hosts and their gut microbiomes: implications for animal physiology and ecology. Functional Ecology, 0, , .	1.7	1
2370	Probiotic, Paraprobiotic, and Hydrolyzed Yeast Mixture Supplementation Has Comparable Effects to Zinc Oxide in Improving Growth Performance and Ameliorating Post-weaning Diarrhea in Weaned Piglets. Probiotics and Antimicrobial Proteins, 2024, 16, 249-258.	1.9	4
2371	Advances in Lactobacillus Restoration for Î²-Lactam Antibiotic-Induced Dysbiosis: A System Review in Intestinal Microbiota and Immune Homeostasis. Microorganisms, 2023, 11, 179.	1.6	4
2372	Parkinsonâ€™s Disease, It Takes Guts: The Correlation between Intestinal Microbiome and Cytokine Network with Neurodegeneration. Biology, 2023, 12, 93.	1.3	2

#	Article	IF	Citations
2373	The intestinal microenvironment shapes macrophage and dendritic cell identity and function. Immunology Letters, 2023, 253, 41-53.	1.1	5
2374	Gut Microbiota, Alzheimer and Psychiatric Diseases: Unveiling the Relationships and Treatment Options. Healthy Ageing and Longevity, 2023, , 279-333.	0.2	0
2375	A new interpretation of scientific collaboration patterns from the perspective of symbiosis: An investigation for long-term collaboration in publications. Journal of Informetrics, 2023, 17, 101372.	1.4	2
2376	Role of Gut Microbiome in Immune Regulation and Immune Checkpoint Therapy of Colorectal Cancer. Digestive Diseases and Sciences, 2023, 68, 370-379.	1.1	3
2377	Gut microbiota mediates positive effects of liraglutide on dyslipidemia in mice fed a high-fat diet. Frontiers in Nutrition, 0, 9, .	1.6	4
2378	Assessing the causes and consequences of gut mycobiome variation in a wild population of the Seychelles warbler. Microbiome, 2022, 10, .	4.9	3
2379	Dietâ€“microbial crossâ€“talk underlying increased visceral perception. Gut Microbes, 2023, 15, .	4.3	2
2380	Analysis of serum antioxidant capacity and gut microbiota in calves at different growth stages in Tibet. Frontiers in Microbiology, 0, 13, .	1.5	0
2381	multiMiAT: an optimal microbiome-based association test for multicategory phenotypes. Briefings in Bioinformatics, 2023, 24, .	3.2	0
2382	Emerging role of microbiota derived outer membrane vesicles to preventive, therapeutic and diagnostic proposes. Infectious Agents and Cancer, 2023, 18, .	1.2	7
2383	Predicting microbeâ€“drug associations with structure-enhanced contrastive learning and self-paced negative sampling strategy. Briefings in Bioinformatics, 2023, 24, .	3.2	9
2384	Advance in oral delivery of living material. , 2023, 3, 26-39.		3
2385	In Vitro Probiotic Evaluation and Anti-Adipogenic Effect of Lactic Acid Bacteria Isolated from Kimchi. Current Topic in Lactic Acid Bacteria and Probiotics, 2022, 8, 59-65.	0.8	0
2386	Low-Grade Inflammation and Ultra-Processed Foods Consumption: A Review. Nutrients, 2023, 15, 1546.	1.7	19
2387	Intestinal Î±-Defensins Play a Minor Role in Modulating the Small Intestinal Microbiota Composition as Compared to Diet. Microbiology Spectrum, 0, , .	1.2	0
2388	Insights into the Gut Microbiota of the Freshwater Crab Sinopotamon planum across Three Seasons and Its Associations with the Surrounding Aquatic Microbiota. Diversity, 2023, 15, 519.	0.7	2
2389	Positive and negative effects of recirculating aquaculture water advanced oxidation: O3 and O3/UV treatments improved water quality but increased antibiotic resistance genes. Water Research, 2023, 235, 119835.	5.3	12
2390	Prediction of potential drug-microbe associations based on matrix factorization and a three-layer heterogeneous network. Computational Biology and Chemistry, 2023, 104, 107857.	1.1	1

#	Article	IF	Citations
2391	Combined effect of microplastic and triphenyltin: Insights from the gut-brain axis. Environmental Science and Ecotechnology, 2023, 16, 100266.	6.7	4
2392	Microorganisms in Pathogenesis and Management of Multiple Sclerosis (MS). , 2022, , 151-175.		0
2393	The Influence of the microbiome on the innate immune microenvironment of solid tumors. Neoplasia, 2023, 37, 100878.	2.3	3
2394	Dynamic network modeling of gut microbiota during Alzheimerâ€™s disease progression in mice. Gut Microbes, 2023, 15, .	4.3	10
2395	Gut microbiota variation between climatic zones and due to migration strategy in passerine birds. Frontiers in Microbiology, 0, 14, .	1.5	2
2396	GACNNMDA: a computational model for predicting potential human microbe-drug associations based on graph attention network and CNN-based classifier. BMC Bioinformatics, 2023, 24, .	1.2	6
2397	The impact of cefuroxime prophylaxis on human intestinal microbiota in surgical oncological patients. , 0, 1, .		0
2398	Gut microbiota alteration after cholecystectomy contributes to post-cholecystectomy diarrhea via bile acids stimulating colonic serotonin. Gut Microbes, 2023, 15, .	4.3	10
2399	Integrative transcriptomic profiling reveals the key pathways in the regulation mechanism of fish intestine-spleen immunity during the bacterial challenges. Aquaculture, 2023, 568, 739320.	1.7	2
2401	Fecal Microbiota Transplantation Revealed a Pain-related Gut Microbiota Community in Ovariectomized Mice. Journal of Pain, 2023, , .	0.7	0
2402	Host metabolome and faecal microbiome shows potential interactions impacted by age and weaning times in calves. Animal Microbiome, 2023, 5, .	1.5	5
2403	Transmission mode and dispersal traits correlate with host specificity in mammalian gut microbes. Molecular Ecology, 2024, 33, .	2.0	6
2404	Inulin: properties and health benefits. Food and Function, 2023, 14, 2948-2968.	2.1	21
2405	Immunomodulatory role of oral microbiota in inflammatory diseases and allergic conditions. Frontiers in Allergy, 0, 4, .	1.2	4
2406	A Deep Insight into the Correlation Between Gut Dysbiosis and Alzheimerâ€™s Amyloidopathy. Journal of Pharmacology and Pharmacotherapeutics, 2022, 13, 305-315.	0.2	0
2407	Diet Quality and the Fecal Microbiota in Adults in the American Gut Project. Journal of Nutrition, 2023, 153, 2004-2015.	1.3	4
2408	Gut/rumen-mammary gland axis in mastitis: Gut/rumen microbiotaâ€“mediated â€œgastroenterogenic mastitisâ€• Journal of Advanced Research, 2024, 55, 159-171.	4.4	3
2409	Methodological challenges in neonatal microbiome research. Gut Microbes, 2023, 15, .	4.3	0

#	Article	IF	Citations
2410	Vitamin D and Microbiome. American Journal of Pathology, 2023, 193, 656-668.	1.9	5
2411	A New Technique for Use in Culturing Prokaryotes Comprising the Mouse Intestinal Microbiome. Advances in Microbiology, 2023, 13, 119-147.	0.3	0
2412	Self-organized metabotyping of obese individuals identifies clusters responding differently to bariatric surgery. PLoS ONE, 2023, 18, e0279335.	1.1	0
2414	The gut microbiota links disease to human genome evolution. Trends in Genetics, 2023, 39, 451-461.	2.9	5
2415	Gut-Microbiota-Derived Metabolites Maintain Gut and Systemic Immune Homeostasis. Cells, 2023, 12, 793.	1.8	29
2417	Chemoreceptors from the commensal gut Roseburia rectibacter bind to mucin and trigger chemotaxis. Environmental Microbiology, 2023, 25, 1329-1343.	1.8	0
2418	The impact of bacterial exposure in early life on lung surfactant gene expression, function and respiratory rate in germ-free mice. , 0, 2, .		0
2420	Interaction of gut microbiota with the tumor microenvironment: A new strategy for antitumor treatment and traditional Chinese medicine in colorectal cancer. Frontiers in Molecular Biosciences, 0, 10, .	1.6	4
2421	Toward Understanding Microbial Ecology to Restore a Degraded Ecosystem. International Journal of Environmental Research and Public Health, 2023, 20, 4647.	1.2	1
2422	Growth, nonspecific immunity, intestinal flora, hepatopancreas, and intestinal histological results for Litopenaeus vannamei fed with diets supplement with different animal by-products. Aquaculture Reports, 2023, 29, 101521.	0.7	2
2423	In-silico computational approaches to study microbiota impacts on diseases and pharmacotherapy. Gut Pathogens, 2023, 15, .	1.6	1
2424	Prolonged Antibiotic Exposure during Adolescence Dysregulates Liver Metabolism and Promotes Adiposity in Mice. American Journal of Pathology, 2023, 193, 796-812.	1.9	3
2425	Vitamin D3 supplementation as an adjunct in the management of childhood infectious diarrhea: a systematic review. BMC Infectious Diseases, 2023, 23, .	1.3	1
2427	Novel insights in the pathophysiology and management of functional dyspepsia. Acta Gastro-Enterologica Belgica, 2023, 86, 68-73.	0.4	1
2428	Interaction between Rotavirus and Intestinal Flora. Advances in Clinical Medicine, 2023, 13, 3392-3401.	0.0	0
2430	Lactobacillus paracasei CNCM I-5220-derived postbiotic protects from the leaky-gut. Frontiers in Microbiology, 0, 14, .	1.5	5
2431	Colonization order of bacterial isolates on treefrog embryos impacts microbiome structure in tadpoles. Proceedings of the Royal Society B: Biological Sciences, 2023, 290, .	1.2	0
2432	The SCFAs Production of Syntrophic Culture of L. johnsonii SZ-YL and A. Muciniphila in Different Macrobutrients. , 0, 30, 24-33.		0

#	Article	IF	Citations
2433	Impact of High Salt-Intake on a Natural Gut Ecosystem in Wildling Mice. Nutrients, 2023, 15, 1565.	1.7	3
2434	Gut Microbiota is Associated with Agingâ€Related Processes of a Small Mammal Species under Highâ€Density Crowding Stress. Advanced Science, 2023, 10, .	5.6	2
2435	The microbiome of the marine flatworm Macrostomum lignano provides fitness advantages and exhibits circadian rhythmicity. Communications Biology, 2023, 6, .	2.0	0
2436	Lactobacillus plantarum LP45 inhibits the RANKL/OPG signaling pathway and prevents glucocorticoid-induced osteoporosis. Food and Nutrition Research, 0, 67, .	1.2	1
2437	Role of gut microbiota in infectious and inflammatory diseases. Frontiers in Microbiology, 0, 14, .	1.5	12
2438	PcEiger links the Imd/Relish pathway to ROSÂproduction in the intestine of the red swampÂcrayfish. EMBO Reports, 2023, 24, .	2.0	5
2439	Pioneer colonizers: Bacteria that alter the chicken intestinal morphology and development of the microbiota. Frontiers in Physiology, 0, 14, .	1.3	2
2440	Time-dependent laxative effect of sennoside A, the core functional component of rhubarb, is attributed to gut microbiota and aquaporins. Journal of Ethnopharmacology, 2023, 311, 116431.	2.0	3
2441	Effects of the loss of maternal gut microbiota before pregnancy on gut microbiota, food allergy susceptibility, and epigenetic modification on subsequent generations. Bioscience of Microbiota, Food and Health, 2023, , .	0.8	0
2442	Vitamin C and vitamin D3 alleviate metabolic-associated fatty liver disease by regulating the gut microbiota and bile acid metabolism via the gut-liver axis. Frontiers in Pharmacology, 0, 14, .	1.6	3
2444	Promises and limits of an agency perspective in evolutionary developmental biology. Evolution & Development, 2023, 25, 371-392.	1.1	4
2445	Advances in Research on the Relationship between Vaginal Microbiota and Adverse Pregnancy Outcomes and Gynecological Diseases. Microorganisms, 2023, 11, 991.	1.6	2
2446	PRELIMINARY EXAMINATION OF THE EXOSKELETAL MICROBIOTA OF ARMADILLIDIUM VULGARE (THE) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0
2447	The Alteration of Akkermansiaceae/Lachnospiraceae Ratio Is a Microbial Feature of Antibiotic-Induced Microbiota Remodeling. Bioinformatics and Biology Insights, 2023, 17, 117793222311662.	1.0	1
2448	State of the art: Intrapartum antibiotics in cesarean section, the infant microbiota and allergic diseases. Acta Obstetricia Et Gynecologica Scandinavica, 2023, 102, 811-820.	1.3	1
2449	Dietary and Sexual Correlates of Gut Microbiota in the Japanese Gecko, Gekko japonicus (Schlegel,) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	0
2450	The emerging role of the small intestinal microbiota in human health and disease. Gut Microbes, 2023, 15, .	4.3	9
2451	An Evaluation Method of Human Gut Microbial Homeostasis by Testing Specific Fecal Microbiota. Engineering, 2023, 29, 110-119.	3.2	0

#	Article	IF	Citations
2452	Host-Specific Diversity of Culturable Bacteria in the Gut Systems of Fungus-Growing Termites and Their Potential Functions towards Lignocellulose Bioconversion. Insects, 2023, 14, 403.	1.0	11
2453	Gut Microbiome Variation Along A Lifestyle Gradient Reveals Threats Faced by Asian Elephants. Genomics, Proteomics and Bioinformatics, 2023, 21, 150-163.	3.0	3
2466	Microbiota and epigenetics: Health impact. Progress in Molecular Biology and Translational Science, 2023, , 93-117.	0.9	0
2471	Role of the gut microbiota in anticancer therapy: from molecular mechanisms to clinical applications. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	27
2474	Microbiome therapeutics in psychological disorders. , 2023, , 163-196.		0
2477	Microbiome-mediated TÂcell regulation, inflammation, and disease. , 2023, , 443-475.		0
2490	Probiotic Identity from Spore: Focus on Bacillus Probiotics. , 2023, , 535-588.		0
2492	Human Microbiome and Lifestyle Disorders. , 2023, , 165-193.		0
2499	Engineering the gut microbiome. , 2023, 1, 665-679.		5
2503	Dysbiosis of microbiome. , 2023, , 267-288.		0
2524	Role of mucosal immunity and epithelialâ€“vascular barrier in modulating gut homeostasis. Internal and Emergency Medicine, 2023, 18, 1635-1646.	1.0	6
2539	Editorial: Gut microbiota and gut-associated metabolites in bone health. Frontiers in Endocrinology, 0, 14, .	1.5	1
2541	Inflammation and gut dysbiosis as drivers of CKDâ€“MBD. Nature Reviews Nephrology, 2023, 19, 646-657.	4.1	3
2554	The functional roles of short chain fatty acids as postbiotics in human gut: future perspectives. Food Science and Biotechnology, 0, , .	1.2	1
2622	Gut Microbiome and Fish Health: An Overview in Finfish Aquaculture Prospective. , 2023, , 47-74.		0
2632	The Microbiome and Infectious Disease. , 2023, , 193-210.		0
2664	MKGSAGE: A Computational Framework via Multiple Kernel Fusion on GraphSAGE for Inferring Potential Disease-Related Microbes. , 2023, , .		0
2665	The gut microbiotaâ€”as an endocrine organ. , 2024, , 125-142.		0

#	Article	IF	Citations
2669	Role of probiotics in brain health. , 2024, , 173-198.		0
2701	The function and application of edible fungal polysaccharides. Advances in Applied Microbiology, 2024, , .	1.3	0
2711	Modulation of gut microbiota with probiotics as a strategy to counteract endogenous and exogenous neurotoxicity. Advances in Neurotoxicology, 2024, , .	0.7	0