Worlds within worlds: evolution of the vertebrate gut m

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Citation Report

#	Article	IF	CITATIONS
1	Symbiotic conversations are revealed under genetic interrogation. Nature Reviews Microbiology, 2008, 6, 752-762.	13.6	134
2	Are biologists in 'future shock'? Symbiosis integrates biology across domains. Nature Reviews Microbiology, 2008, 6, 789-792.	13.6	77
3	Symbiotic diversity in marine animals: the art of harnessing chemosynthesis. Nature Reviews Microbiology, 2008, 6, 725-740.	13.6	875
4	Ecological Characterization of the Colonic Microbiota of Normal and Diarrheic Dogs. Interdisciplinary Perspectives on Infectious Diseases, 2008, 2008, 1-17.	0.6	49
5	The Human Microbiome and Infectious Diseases: Beyond Koch. Interdisciplinary Perspectives on Infectious Diseases, 2008, 2008, 1-2.	0.6	11
6	Regulation of myocardial ketone body metabolism by the gut microbiota during nutrient deprivation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11276-11281.	3.3	224
7	Remaining Flexible in Old Alliances: Functional Plasticity in Constrained Mutualisms. DNA and Cell Biology, 2009, 28, 371-382.	0.9	16
8	Systems Biology: Understanding Function from Genes to Networks. Current Proteomics, 2009, 6, 93-103.	0.1	1
9	Portrait of a canine probiotic Bifidobacteriumâ€"From gut to gut. Veterinary Microbiology, 2009, 139, 106-112.	0.8	38
10	Human Microbiome Project—paving the way to a better understanding of ourselves and our microbes. Drug Discovery Today, 2009, 14, 331-333.	3.2	25
11	Immunobiology of HPV Infection. Archives of Medical Research, 2009, 40, 443-448.	1.5	14
12	Mouse models of intestinal inflammation as tools to understand the pathogenesis of inflammatory bowel disease. European Journal of Immunology, 2009, 39, 2021-2026.	1.6	42
13	Immune Responses to the Microbiota at the Intestinal Mucosal Surface. Immunity, 2009, 31, 368-376.	6.6	369
14	The core gut microbiome, energy balance and obesity. Journal of Physiology, 2009, 587, 4153-4158.	1.3	846
15	Next-generation synthetic gene networks. Nature Biotechnology, 2009, 27, 1139-1150.	9.4	321
16	Do symbiotic bacteria subvert host immunity?. Nature Reviews Microbiology, 2009, 7, 367-374.	13.6	183
17	Roles of galectins in infection. Nature Reviews Microbiology, 2009, 7, 424-438.	13.6	459
18	What are the consequences of the disappearing human microbiota?. Nature Reviews Microbiology, 2009, 7, 887-894.	13.6	738

#	Article	IF	CITATIONS
19	Better living through microbial action: the benefits of the mammalian gastrointestinal microbiota on the host. Environmental Microbiology, 2009, 11, 2194-2206.	1.8	252
20	The hologenome theory of evolution contains Lamarckian aspects within a Darwinian framework. Environmental Microbiology, 2009, 11, 2959-2962.	1.8	176
21	Cell ell Channels, Viruses, and Evolution. Annals of the New York Academy of Sciences, 2009, 1178, 106-119.	1.8	36
22	The Effect of Diet on the Human Gut Microbiome: A Metagenomic Analysis in Humanized Gnotobiotic Mice. Science Translational Medicine, 2009, 1, 6ra14.	5 . 8	2,492
23	Towards a molecular risk mapâ€"Recent advances on the etiology of inflammatory bowel disease. Seminars in Immunology, 2009, 21, 334-345.	2.7	70
24	Microbial community profiling for human microbiome projects: Tools, techniques, and challenges. Genome Research, 2009, 19, 1141-1152.	2.4	805
25	The Oral Microbiota: Living with a Permanent Guest. DNA and Cell Biology, 2009, 28, 405-411.	0.9	340
26	Microbiome Analysis in the Esophagus. Gastroenterology, 2009, 137, 419-421.	0.6	16
27	Bacterial populations and metabolites in the feces of free roaming and captive grizzly bears. Canadian Journal of Microbiology, 2009, 55, 1335-1346.	0.8	27
28	Gene-centric metagenomics of the fiber-adherent bovine rumen microbiome reveals forage specific glycoside hydrolases. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1948-1953.	3.3	669
29	Interplay between the TH17 and TReg cell lineages: a (co-)evolutionary perspective. Nature Reviews Immunology, 2009, 9, 883-889.	10.6	344
30	EnvDB, a database for describing the environmental distribution of prokaryotic taxa. Environmental Microbiology Reports, 2009, 1, 191-197.	1.0	39
31	Bacterial infections: new and emerging enteric pathogens. Current Opinion in Gastroenterology, 2010, 26, 1-4.	1.0	35
32	The role of mucosal immunity and host genetics in defining intestinal commensal bacteria. Current Opinion in Gastroenterology, 2010, 26, 564-571.	1.0	142
33	Early life: gut microbiota and immune development in infancy. Beneficial Microbes, 2010, 1, 367-382.	1.0	246
34	Early nutritional environment: focus on health effects of microbiota and probiotics. Beneficial Microbes, 2010, 1, 383-390.	1.0	17
35	Microbiota-stimulated immune mechanisms to maintain gut homeostasis. Current Opinion in Immunology, 2010, 22, 455-460.	2.4	177
36	Prevalence, nucleotide sequence and expression studies of two proteins of a 5.6kb, Class III, Bacteroides plasmid frequently found in clinical isolates from European countries. Plasmid, 2010, 63, 86-97.	0.4	13

#	ARTICLE	IF	Citations
37	From complete genome sequence to †complete' understanding?. Trends in Biotechnology, 2010, 28, 398-406.	4.9	151
38	Trichomonas vaginalis vast BspA-like gene family: evidence for functional diversity from structural organisation and transcriptomics. BMC Genomics, 2010, 11, 99.	1.2	71
39	Environmental distribution of prokaryotic taxa. BMC Microbiology, 2010, 10, 85.	1.3	174
40	Probiotics and prebiotics in animal feeding for safe food production. International Journal of Food Microbiology, 2010, 141, S15-S28.	2.1	672
42	Quantitative Assessment of the Human Gut Microbiome Using Multitag Pyrosequencing. Chemistry and Biodiversity, 2010, 7, 1065-1075.	1.0	97
43	Networkâ€Based Modeling of the Human Gut Microbiome. Chemistry and Biodiversity, 2010, 7, 1040-1050.	1.0	48
44	Why bacteria matter in animal development and evolution. BioEssays, 2010, 32, 571-580.	1.2	257
45	The hygiene hypothesis: an evolutionary perspective. Microbes and Infection, 2010, 12, 421-427.	1.0	73
46	Gut-Residing Segmented Filamentous Bacteria Drive Autoimmune Arthritis via T Helper 17 Cells. Immunity, 2010, 32, 815-827.	6.6	1,391
47	The structure of KPN03535 (gi 152972051), a novel putative lipoprotein fromKlebsiella pneumoniae, reveals an OB-fold. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1254-1260.	0.7	3
48	The structure of BVU2987 fromBacteroides vulgatusreveals a superfamily of bacterial periplasmic proteins with possible inhibitory function. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1265-1273.	0.7	8
49	Identification of differences in human and great ape phytanic acid metabolism that could influence gene expression profiles and physiological functions. BMC Physiology, 2010, 10, 19.	3.6	28
50	Bacterial communities of disease vectors sampled across time, space, and species. ISME Journal, 2010, 4, 223-231.	4.4	43
51	Diversification of the gut symbiont <i>Lactobacillus reuteri</i> as a result of host-driven evolution. ISME Journal, 2010, 4, 377-387.	4.4	254
52	Fast UniFrac: facilitating high-throughput phylogenetic analyses of microbial communities including analysis of pyrosequencing and PhyloChip data. ISME Journal, 2010, 4, 17-27.	4.4	1,025
53	Postprandial remodeling of the gut microbiota in Burmese pythons. ISME Journal, 2010, 4, 1375-1385.	4.4	229
54	A human gut microbial gene catalogue established by metagenomic sequencing. Nature, 2010, 464, 59-65.	13.7	9,342
55	Transfer of carbohydrate-active enzymes from marine bacteria to Japanese gut microbiota. Nature, 2010, 464, 908-912.	13.7	905

#	Article	IF	CITATIONS
56	An imbalance in mucosal cytokine profile causes transient intestinal inflammation following an animal's first exposure to faecal bacteria and antigens. Clinical and Experimental Immunology, 2010, 161, 187-196.	1.1	17
57	Genetic pot luck. Nature, 2010, 464, 837-838.	13.7	19
58	Enteric defensins are essential regulators of intestinal microbial ecology. Nature Immunology, 2010, 11, 76-82.	7.0	1,013
59	Microbial community resemblance methods differ in their ability to detect biologically relevant patterns. Nature Methods, 2010, 7, 813-819.	9.0	249
60	Evolutionary microbial genomics: insights into bacterial host adaptation. Nature Reviews Genetics, 2010, 11, 465-475.	7.7	372
61	Immune adaptations that maintain homeostasis with the intestinal microbiota. Nature Reviews Immunology, 2010, 10, 159-169.	10.6	1,192
62	A complex journey: transmission of microbial symbionts. Nature Reviews Microbiology, 2010, 8, 218-230.	13.6	669
63	Sexually transmitted bacteria affect female cloacal assemblages in a wild bird. Ecology Letters, 2010, 13, 1515-1524.	3.0	81
65	Threatened Corals Provide Underexplored Microbial Habitats. PLoS ONE, 2010, 5, e9554.	1.1	273
66	Characterization of the Fecal Microbiome from Non-Human Wild Primates Reveals Species Specific Microbial Communities. PLoS ONE, 2010, 5, e13963.	1.1	225
67	Probiotics and Prebiotics in Metabolic Disorders and Obesity. , 2010, , 237-258.		3
68	Effects of a gluten-free diet on gut microbiota and immune function in healthy adult humans. Gut Microbes, 2010, $1,135-137$.	4.3	93
69	A Great Leap forward in Microbial Ecology. Microbes and Environments, 2010, 25, 230-240.	0.7	48
70	<i>Cellulosilyticum ruminicola Cellulosilyticum ruminicola Cellulosilytic-Protein-Encoding Genes and Degrades Lignocellulose with Multiple Carbohydrate-Borne Fibrolytic Enzymes. Applied and Environmental Microbiology, 2010, 76, 3818-3824.</i>	1.4	71
71	Ribosomal RNA diversity predicts genome diversity in gut bacteria and their relatives. Nucleic Acids Research, 2010, 38, 3869-3879.	6.5	85
72	Harnessing the power of the human microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6125-6126.	3.3	56
73	Dissecting the in Vivo Metabolic Potential of Two Human Gut Acetogens. Journal of Biological Chemistry, 2010, 285, 22082-22090.	1.6	332
74	Commensal bacteria play a role in mating preference of <i>Drosophila melanogaster</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20051-20056.	3.3	752

#	ARTICLE	IF	Citations
75	Evolutionary Relationships of Wild Hominids Recapitulated by Gut Microbial Communities. PLoS Biology, 2010, 8, e1000546.	2.6	464
76	Probiotics in Gastrointestinal Disorders. Hospital Practice (1995), 2010, 38, 122-129.	0.5	18
77	Microbiota. Gut Microbes, 2010, 1, 388-391.	4.3	8
78	Integrated Metabonomicâ 'Proteomic Analysis of an Insectâ 'Bacterial Symbiotic System. Journal of Proteome Research, 2010, 9, 1257-1267.	1.8	47
79	Metagenomics and the Units of Biological Organization. BioScience, 2010, 60, 102-112.	2.2	51
80	Digestive Challenges for Vertebrate Animals: Microbial Diversity, Cardiorespiratory Coupling, and Dietary Specialization. Physiological and Biochemical Zoology, 2010, 83, 764-774.	0.6	30
81	A global network of coexisting microbes from environmental and whole-genome sequence data. Genome Research, 2010, 20, 947-959.	2.4	425
82	Probiotics and Other Microbial Manipulations in Fish Feeds. , 2010, , 541-552.		15
83	Coordinated regulation of the metabolome and lipidome at the host-microbial interface. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 240-245.	1.2	61
84	Microbial Colonization Drives Expansion of IL-1 Receptor 1-Expressing and IL-17-Producing \hat{I}^3/\hat{I}^*T Cells. Cell Host and Microbe, 2010, 7, 140-150.	5.1	190
85	Delivery mode shapes the acquisition and structure of the initial microbiota across multiple body habitats in newborns. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11971-11975.	3.3	3,738
86	Interactions of gut microbiota with functional food components and nutraceuticals. Pharmacological Research, 2010, 61, 219-225.	3.1	543
88	Specificity of the Adaptive Immune Response to the Gut Microbiota. Advances in Immunology, 2010, 107, 71-107.	1.1	21
89	Adaptive Immune Regulation in the Gut: T Cell–Dependent and T Cell–Independent IgA Synthesis. Annual Review of Immunology, 2010, 28, 243-273.	9.5	423
90	Direct sequencing of the human microbiome readily reveals community differences. Genome Biology, 2010, 11, 210.	13.9	134
91	Gut microbiota in obesity and metabolic disorders. Proceedings of the Nutrition Society, 2010, 69, 434-441.	0.4	221
92	Visual exploration of microbial populations. , 2011, , .		6
93	Development of the Human Gastrointestinal Microbiota and Insights From High-Throughput Sequencing. Gastroenterology, 2011, 140, 1713-1719.	0.6	329

#	Article	IF	CITATIONS
95	Microbial Source Tracking: Methods, Applications, and Case Studies., 2011,,.		64
96	Global patterns of 16S rRNA diversity at a depth of millions of sequences per sample. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4516-4522.	3.3	7,425
97	Human intestinal microbiota: cross-talk with the host and its potential role in colorectal cancer. Critical Reviews in Microbiology, 2011, 37, 1-14.	2.7	99
98	Microbiota and Autoimmune Disease: The Hosted Self. Cell Host and Microbe, 2011, 10, 297-301.	5.1	53
99	Microbiome and Malignancy. Cell Host and Microbe, 2011, 10, 324-335.	5.1	480
100	Microbiota–immune system interaction: an uneasy alliance. Current Opinion in Microbiology, 2011, 14, 99-105.	2.3	89
101	Control of host inflammatory responsiveness by indigenous microbiota reveals an adaptive component of the innate immune system. Microbes and Infection, 2011, 13, 1121-1132.	1.0	18
102	Bacterial DNA content in the intestinal wall from infants with necrotizing enterocolitis. Journal of Pediatric Surgery, 2011, 46, 1029-1033.	0.8	14
103	Combined phylogenetic and genomic approaches for the high-throughput study of microbial habitat adaptation. Trends in Microbiology, 2011, 19, 472-482.	3.5	23
104	Commensal flora and the regulation of inflammatory and autoimmune responses. Seminars in Immunology, 2011, 23, 139-145.	2.7	79
105	The microbiome and rheumatoid arthritis. Nature Reviews Rheumatology, 2011, 7, 569-578.	3.5	381
106	Hidden Fungi, Emergent Properties: Endophytes and Microbiomes. Annual Review of Phytopathology, 2011, 49, 291-315.	3.5	753
107	Stop the killing of beneficial bacteria. Nature, 2011, 476, 393-394.	13.7	340
108	Bacterial Communities of Diverse Drosophila Species: Ecological Context of a Host–Microbe Model System. PLoS Genetics, 2011, 7, e1002272.	1.5	650
109	Ecological Physiology of Diet and Digestive Systems. Annual Review of Physiology, 2011, 73, 69-93.	5.6	256
110	Microbial Eukaryotes in the Human Microbiome: Ecology, Evolution, and Future Directions. Frontiers in Microbiology, 2011, 2, 153.	1.5	186
111	Conservation and Diversity of Seed Associated Endophytes in Zea across Boundaries of Evolution, Ethnography and Ecology. PLoS ONE, 2011, 6, e20396.	1.1	480
112	Microbial Metabolomics. Current Genomics, 2011, 12, 391-403.	0.7	142

#	Article	IF	CITATIONS
113	Lowâ€diversity bacterial community in the gut of the fruitfly <i>Drosophila melanogaster</i> Environmental Microbiology, 2011, 13, 1889-1900.	1.8	398
114	Continuous feeding of antimicrobial growth promoters to commercial swine during the growing/finishing phase does not modify faecal community erythromycin resistance or community structure. Journal of Applied Microbiology, 2011, 110, 1414-1425.	1.4	26
115	Outdoor immunology: methodological considerations for ecologists. Functional Ecology, 2011, 25, 81-100.	1.7	151
116	Comparative phylogeography, genetic differentiation and contrasting reproductive modes in three fungal symbionts of a multipartite bark beetle symbiosis. Molecular Ecology, 2011, 20, 584-600.	2.0	48
117	Supervised classification of human microbiota. FEMS Microbiology Reviews, 2011, 35, 343-359.	3.9	377
118	Design and in vitro evaluation of new rpoB-DGGE primers for ruminants. FEMS Microbiology Ecology, 2011, 76, 156-169.	1.3	7
119	Unravelling the effects of the environment and host genotype on the gut microbiome. Nature Reviews Microbiology, $2011, 9, 279-290$.	13.6	1,305
120	Phylogenetic analysis of the fecal microbial community in herbivorous land and marine iguanas of the $Gal\tilde{A}_i$ pagos Islands using 16S rRNA-based pyrosequencing. ISME Journal, 2011, 5, 1461-1470.	4.4	142
121	Metagenomic mining for microbiologists. ISME Journal, 2011, 5, 1837-1843.	4.4	89
122	Phenotypic and genotypic analyses of lactic acid bacteria in local fermented food, breast milk and faeces of mothers and their babies. Systematic and Applied Microbiology, 2011, 34, 148-155.	1.2	177
123	High-throughput clone library analysis of the mucosa-associated microbiota reveals dysbiosis and differences between inflamed and non-inflamed regions of the intestine in inflammatory bowel disease. BMC Microbiology, 2011, 11, 7.	1.3	596
124	Animal behaviour meets microbial ecology. Animal Behaviour, 2011, 82, 425-436.	0.8	230
125	Interactions Between Gut Microbiota and Host Metabolism Predisposing to Obesity and Diabetes. Annual Review of Medicine, 2011, 62, 361-380.	5.0	515
126	Our microbial selves: what ecology can teach us. EMBO Reports, 2011, 12, 775-784.	2.0	71
127	Paneth cells, antimicrobial peptides and maintenance of intestinal homeostasis. Nature Reviews Microbiology, 2011, 9, 356-368.	13.6	932
128	The Human Gut Microbiome: Ecology and Recent Evolutionary Changes. Annual Review of Microbiology, 2011, 65, 411-429.	2.9	589
129	Gut microbiota as a candidate for lifespan extension: an ecological/evolutionary perspective targeted on living organisms as metaorganisms. Biogerontology, 2011, 12, 599-609.	2.0	64
130	Bacterial Communities in Central European Bumblebees: Low Diversity and High Specificity. Microbial Ecology, 2011, 62, 121-133.	1.4	150

#	ARTICLE	IF	CITATIONS
131	Intestinal microbiota in human health and disease: the impact of probiotics. Genes and Nutrition, 2011, 6, 209-240.	1.2	557
132	The Book of Desire: Toward a Biological Poetics. Biosemiotics, 2011, 4, 149-170.	0.8	10
133	Intervention, integration and translation in obesity research: Genetic, developmental and metaorganismal approaches. Philosophy, Ethics, and Humanities in Medicine, 2011, 6, 2.	0.7	12
134	Effects of genetically modified T2A-1 rice on faecal microflora of rats during 90 day supplementation. Journal of the Science of Food and Agriculture, 2011, 91, 2066-2072.	1.7	13
135	Biotop Mensch. Wir sind besiedelt. Biologie in Unserer Zeit, 2011, 41, 182-189.	0.3	4
136	The Evolution of Host Specialization in the Vertebrate Gut Symbiont Lactobacillus reuteri. PLoS Genetics, 2011, 7, e1001314.	1.5	270
137	Host-Associated and Free-Living Phage Communities Differ Profoundly in Phylogenetic Composition. PLoS ONE, 2011, 6, e16900.	1.1	43
138	Beneficial Microorganisms in Multicellular Life Forms. , 2011, , .		16
139	Naturally transmitted segmented filamentous bacteria segregate with diabetes protection in nonobese diabetic mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11548-11553.	3.3	373
140	Predominant Effect of Host Genetics on Levels of Lactobacillus johnsonii Bacteria in the Mouse Gut. Applied and Environmental Microbiology, 2011, 77, 6531-6538.	1.4	39
141	A role for variable region-containing chitin-binding proteins (VCBPs) in host gut–bacteria interactions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16747-16752.	3.3	71
142	Gut Microbes, Immunity, and Metabolism., 2011, , 311-330.		1
143	Performance, Accuracy, and Web Server for Evolutionary Placement of Short Sequence Reads under Maximum Likelihood. Systematic Biology, 2011, 60, 291-302.	2.7	476
144	Towards an Evolutionary Model of Animal-Associated Microbiomes. Entropy, 2011, 13, 570-594.	1.1	48
145	Lessons from Model Organisms: Phenotypic Robustness and Missing Heritability in Complex Disease. PLoS Genetics, 2012, 8, e1003041.	1.5	64
146	Infectious (Non)toleranceFrustrated Commensalism Gone Awry?. Cold Spring Harbor Perspectives in Biology, 2012, 4, a007328-a007328.	2.3	13
147	The Evolution of Mutualism in Gut Microbiota Via Host Epithelial Selection. PLoS Biology, 2012, 10, e1001424.	2.6	182
148	Dynamic Evolution of the LPS-Detoxifying Enzyme Intestinal Alkaline Phosphatase in Zebrafish and Other Vertebrates. Frontiers in Immunology, 2012, 3, 314.	2.2	50

#	Article	IF	CITATIONS
149	Early Origins of Adult Disease: Approaches for Investigating the Programmable Epigenome in Humans, Nonhuman Primates, and Rodents. ILAR Journal, 2012, 53, 306-321.	1.8	57
150	Competition and Resilience between Founder and Introduced Bacteria in the Caenorhabditis elegans Gut. Infection and Immunity, 2012, 80, 1288-1299.	1.0	72
151	Taking a metagenomic view of human nutrition. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 448-454.	1.3	54
152	Identifying genomic and metabolic features that can underlie early successional and opportunistic lifestyles of human gut symbionts. Genome Research, 2012, 22, 1974-1984.	2.4	120
153	Nurture trumps nature in a longitudinal survey of salivary bacterial communities in twins from early adolescence to early adulthood. Genome Research, 2012, 22, 2146-2152.	2.4	167
154	The role of gut microbiota in immune homeostasis and autoimmunity. Gut Microbes, 2012, 3, 4-14.	4.3	881
155	The Bactericidal Activity of the C-type Lectin RegIII \hat{I}^2 against Gram-negative Bacteria involves Binding to Lipid A. Journal of Biological Chemistry, 2012, 287, 34844-34855.	1.6	91
156	Gut-associated microbes of Drosophila melanogaster. Gut Microbes, 2012, 3, 307-321.	4.3	459
157	Co-habiting amphibian species harbor unique skin bacterial communities in wild populations. ISME Journal, 2012, 6, 588-596.	4.4	282
158	Composition, Diversity, and Origin of the Bacterial Community in Grass Carp Intestine. PLoS ONE, 2012, 7, e30440.	1.1	407
159	Investigating Bacterial-Animal Symbioses with Light Sheet Microscopy. Biological Bulletin, 2012, 223, 7-20.	0.7	48
160	Research findings: What utility managers need to know. Journal - American Water Works Association, 2012, 104, 63-68.	0.2	0
161	16S rDNA-Based Metagenomic Analysis of Bacterial Diversity Associated With Two Populations of the Kleptoplastic Sea Slug <i>Elysia chlorotica</i> and Its Algal Prey <i>Vaucheria litorea</i> Biological Bulletin, 2012, 223, 138-154.	0.7	20
162	Factors associated with the diversification of the gut microbial communities within chimpanzees from Gombe National Park. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13034-13039.	3.3	151
163	Defining the human microbiome. Nutrition Reviews, 2012, 70, S38-S44.	2.6	789
164	Summary of the 24th Marabou Symposium: Nutrition and the Human Microbiome. Nutrition Reviews, 2012, 70, 587-594.	2.6	5
165	Comparative analyses of foregut and hindgut bacterial communities in hoatzins and cows. ISME Journal, 2012, 6, 531-541.	4.4	186
166	Antimicrobial peptides: Clinical relevance and therapeutic implications. Peptides, 2012, 36, 308-314.	1.2	127

#	Article	IF	CITATIONS
167	Comparative faecal microbiota of dogs with and without calcium oxalate stones. Journal of Applied Microbiology, 2012, 113, 745-756.	1.4	18
168	Do diet and taxonomy influence insect gut bacterial communities?. Molecular Ecology, 2012, 21, 5124-5137.	2.0	467
169	Manipulation of the Gut Microbiota as a Novel Treatment Strategy for Gastrointestinal Disorders. American Journal of Gastroenterology Supplements (Print), 2012, 1, 41-46.	0.7	94
170	Host genetic and environmental effects on mouse intestinal microbiota. ISME Journal, 2012, 6, 2033-2044.	4.4	206
171	Gut bacteria associated with different diets in reared Nephrops norvegicus. Systematic and Applied Microbiology, 2012, 35, 473-482.	1.2	55
172	Knowing your friends: invertebrate innate immunity fosters beneficial bacterial symbioses. Nature Reviews Microbiology, 2012, 10, 815-827.	13.6	186
173	Microbial regulation of allergic responses to food. Seminars in Immunopathology, 2012, 34, 671-688.	2.8	40
174	Diversity of immune genes and associated gill microbes of European plaice Pleuronectes platessa. Estuarine, Coastal and Shelf Science, 2012, 108, 87-96.	0.9	13
175	Innate Lymphoid Cell Interactions with Microbiota: Implications for Intestinal Health and Disease. Immunity, 2012, 37, 601-610.	6.6	244
176	Clinical Use of Probiotics in Pediatric Allergy (cuppa): A World Allergy Organization Position Paper. World Allergy Organization Journal, 2012, 5, 148-167.	1.6	117
177	In-feed antibiotic effects on the swine intestinal microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1691-1696.	3.3	942
178	The Gut Microbiome and Obesity. Nestle Nutrition Institute Workshop Series, 2012, 73, 67-79.	1.5	24
179	Contribution of lateral gene transfer to the gene repertoire of a gut-adapted methanogen. Genomics, 2012, 99, 52-58.	1.3	31
180	Speciation by symbiosis. Trends in Ecology and Evolution, 2012, 27, 443-451.	4.2	326
181	The role of the gut microbiota in nutrition and health. Nature Reviews Gastroenterology and Hepatology, 2012, 9, 577-589.	8.2	1,515
182	Functional equivalence and evolutionary convergence in complex communities of microbial sponge symbionts. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1878-87.	3.3	361
183	Innate Lymphoid Cells Promote Anatomical Containment of Lymphoid-Resident Commensal Bacteria. Science, 2012, 336, 1321-1325.	6.0	638
184	Metagenomic epidemiology: a public health need for the control of antimicrobial resistance. Clinical Microbiology and Infection, 2012, 18, 67-73.	2.8	38

#	Article	IF	CITATIONS
185	Complex intestinal bacterial communities in three species of planorbid snails. Journal of Molluscan Studies, 2012, 78, 74-80.	0.4	41
186	B Cell-Intrinsic MyD88 Signaling Prevents the Lethal Dissemination of Commensal Bacteria during Colonic Damage. Immunity, 2012, 36, 228-238.	6.6	100
187	Interleukin 23 Production by Intestinal CD103+CD11b+ Dendritic Cells in Response to Bacterial Flagellin Enhances Mucosal Innate Immune Defense. Immunity, 2012, 36, 276-287.	6.6	450
188	Pyrosequencing-based validation of a simple cell-suspension polymerase chain reaction assay for Campylobacter with application of high-processivity polymerase and novel internal amplification controls for rapid and specific detection. Diagnostic Microbiology and Infectious Disease, 2012, 72, 131-138.	0.8	8
189	The Impact of the Gut Microbiota on Human Health: An Integrative View. Cell, 2012, 148, 1258-1270.	13.5	2,920
190	Gut Immune Maturation Depends on Colonization with a Host-Specific Microbiota. Cell, 2012, 149, 1578-1593.	13.5	1,050
191	How functional foods play critical roles in human health. Food Science and Human Wellness, 2012, 1, 26-60.	2.2	77
192	Insights into antibiotic resistance through metagenomic approaches. Future Microbiology, 2012, 7, 73-89.	1.0	251
193	â€~Omics' of the mammalian gut – new insights into function. Current Opinion in Biotechnology, 2012, 23, 491-500.	3.3	31
194	Intestinal microbiota is a plastic factor responding to environmental changes. Trends in Microbiology, 2012, 20, 385-391.	3.5	152
195	Does the gut microbiota have a role in type 1 diabetes? Early evidence from humans and animal models of the disease. Diabetologia, 2012, 55, 2868-2877.	2.9	86
196	Ultra-high-throughput microbial community analysis on the Illumina HiSeq and MiSeq platforms. ISME Journal, 2012, 6, 1621-1624.	4.4	7,430
197	Dysfunction of Organic Anion Transporting Polypeptide 1a1 Alters Intestinal Bacteria and Bile Acid Metabolism in Mice. PLoS ONE, 2012, 7, e34522.	1.1	32
198	The Irreversible Loss of a Decomposition Pathway Marks the Single Origin of an Ectomycorrhizal Symbiosis. PLoS ONE, 2012, 7, e39597.	1.1	100
199	Routine Habitat Change: A Source of Unrecognized Transient Alteration of Intestinal Microbiota in Laboratory Mice. PLoS ONE, 2012, 7, e47416.	1.1	65
200	MetaSee: An Interactive and Extendable Visualization Toolbox for Metagenomic Sample Analysis and Comparison. PLoS ONE, 2012, 7, e48998.	1.1	14
201	Human Gut Microbiota: Dysbiosis and Manipulation. Frontiers in Cellular and Infection Microbiology, 2012, 2, 123.	1.8	9
202	Computational methods for the analysis of tag sequences in metagenomics studies. Frontiers in Bioscience - Scholar, 2012, S4, 1333-1343.	0.8	2

#	Article	IF	CITATIONS
203	Metagenomic systems biology of the human gut microbiome reveals topological shifts associated with obesity and inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 594-599.	3.3	699
204	The human microbiome: at the interface of health and disease. Nature Reviews Genetics, 2012, 13, 260-270.	7.7	2,798
205	Genomic insights into the marine sponge microbiome. Nature Reviews Microbiology, 2012, 10, 641-654.	13.6	530
206	The effect of genetically modified <i>Lactobacillus plantarum ⟨i⟩ 590 on the gut health of sprague–dawley rats. IUBMB Life, 2012, 64, 617-627.</i>	1.5	6
207	Interactions Between the Microbiota and the Immune System. Science, 2012, 336, 1268-1273.	6.0	3,422
208	Microbiota, Disease, and Back to Health: A Metastable Journey. Science Translational Medicine, 2012, 4, 137rv7.	5.8	261
209	Diversity and function of the avian gut microbiota. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 591-602.	0.7	218
210	Application of high-throughput sequencing to measure the performance of commonly used selective cultivation methods for the foodborne pathogen Campylobacter. FEMS Microbiology Ecology, 2012, 79, 327-336.	1.3	30
211	Recent progress in <i>Bacillus subtilis</i> sporulation. FEMS Microbiology Reviews, 2012, 36, 131-148.	3.9	403
212	The influence of the microbiota on typeâ€1 diabetes: on the threshold of a leap forward in our understanding. Immunological Reviews, 2012, 245, 239-249.	2.8	81
213	Microbial symbionts: a resource for the management of insectâ€related problems. Microbial Biotechnology, 2012, 5, 307-317.	2.0	131
214	Environmental and ecological factors that shape the gut bacterial communities of fish: a metaâ€analysis. Molecular Ecology, 2012, 21, 3363-3378.	2.0	814
215	Intestinal microbiota composition in fishes is influenced by host ecology and environment. Molecular Ecology, 2012, 21, 3100-3102.	2.0	209
216	Peptide markers of aminoacyl tRNA synthetases facilitate taxa counting in metagenomic data. BMC Genomics, 2012, 13, 65.	1.2	2
217	Characterization of the Gastrointestinal Microbiota in Health and Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2012, 18, 372-390.	0.9	91
218	Gut Microbiota as a Modulator of Cardiometabolic Risk: Mechanisms and Therapeutic Implications. Current Cardiovascular Risk Reports, 2012, 6, 71-79.	0.8	2
219	Patterns of prokaryotic lateral gene transfers affecting parasitic microbial eukaryotes. Genome Biology, 2013, 14, R19.	13.9	80
220	Intestinal microbiota of gibel carp (Carassius auratus gibelio) and its origin as revealed by 454 pyrosequencing. World Journal of Microbiology and Biotechnology, 2013, 29, 1585-1595.	1.7	87

#	Article	IF	CITATIONS
221	Characterization of the Bacterial Diversity in Indo-West Pacific Loliginid and Sepiolid Squid Light Organs. Microbial Ecology, 2013, 65, 214-226.	1.4	23
222	Taxonomic and functional metagenomic profiling of gastrointestinal tract microbiome of the farmed adult turbot (<i>Scophthalmus maximus</i>). FEMS Microbiology Ecology, 2013, 86, 432-443.	1.3	149
223	Age-related differences in the cloacal microbiota of a wild bird species. BMC Ecology, 2013, 13, 11.	3.0	116
224	Overview of the Oldest Existing Set of Substrate-optimized Anaerobic Processes: Digestive Tracts. Bioenergy Research, 2013, 6, 1063-1081.	2.2	21
225	The inconstant gut microbiota of <i>Drosophila</i> species revealed by 16S rRNA gene analysis. ISME Journal, 2013, 7, 1922-1932.	4.4	281
226	Dysbiosisâ€"A consequence of Paneth cell dysfunction. Seminars in Immunology, 2013, 25, 334-341.	2.7	87
227	Profiling the gastrointestinal microbiota in response to Salmonella: Low versus high Salmonella shedding in the natural porcine host. Infection, Genetics and Evolution, 2013, 16, 330-340.	1.0	71
228	Helicobacter pylori Eradication in the Prevention of Gastric Cancer: Are More Trials Needed?. Current Oncology Reports, 2013, 15, 517-525.	1.8	17
229	Microbiota-Derived Hydrogen Fuels Salmonella Typhimurium Invasion of the Gut Ecosystem. Cell Host and Microbe, 2013, 14, 641-651.	5.1	145
230	Characterizing the microbiota across the gastrointestinal tract of a Brazilian Nelore steer. Veterinary Microbiology, 2013, 164, 307-314.	0.8	176
231	Intestinal microbiota determines development of non-alcoholic fatty liver disease in mice. Gut, 2013, 62, 1787-1794.	6.1	777
232	Looking large, to make more, out of gut metagenomics. Current Opinion in Microbiology, 2013, 16, 630-635.	2.3	7
233	Dual role of commensal bacteria in viral infections. Immunological Reviews, 2013, 255, 222-229.	2.8	43
234	Meta-analyses of studies of the human microbiota. Genome Research, 2013, 23, 1704-1714.	2.4	352
235	The saliva microbiome of Pan and Homo. BMC Microbiology, 2013, 13, 204.	1.3	34
236	Emerging Aspects of Food and Nutrition on Gut Microbiota. Journal of Agricultural and Food Chemistry, 2013, 61, 9559-9574.	2.4	40
237	UGA is an additional glycine codon in uncultured SR1 bacteria from the human microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5540-5545.	3.3	290
238	Human Analysts at Superhuman Scales: What Has Friendly Software To Do?. Big Data, 2013, 1, 227-236.	2.1	1

#	ARTICLE	IF	Citations
239	Examination with Next-Generation Sequencing Technology of the Bacterial Microbiota in Bronchoalveolar Lavage Samples after Traumatic Injury. Surgical Infections, 2013, 14, 275-282.	0.7	17
240	Comparison of the Compositions of the Stool Microbiotas of Infants Fed Goat Milk Formula, Cow Milk-Based Formula, or Breast Milk. Applied and Environmental Microbiology, 2013, 79, 3040-3048.	1.4	176
241	Distinct cutaneous bacterial assemblages in a sampling of South American Amerindians and US residents. ISME Journal, 2013, 7, 85-95.	4.4	101
242	Role of oxygen gradients in shaping redox relationships between the human intestine and its microbiota. Free Radical Biology and Medicine, 2013, 55, 130-140.	1.3	310
243	Animals in a bacterial world, a new imperative for the life sciences. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3229-3236.	3.3	2,181
244	The role of biogeography in shaping diversity of the intestinal microbiota in house mice. Molecular Ecology, 2013, 22, 1904-1916.	2.0	171
245	The role of the intestinal microbiota in type 1 diabetes. Clinical Immunology, 2013, 146, 112-119.	1.4	72
246	Investigation of the koala (Phascolarctos cinereus) hindgut microbiome via 16S pyrosequencing. Veterinary Microbiology, 2013, 167, 554-564.	0.8	51
247	Role of Microorganisms in Adaptation, Development, and Evolution of Animals and Plants: The Hologenome Concept., 2013,, 347-358.		11
248	Purification and Fermentation in Vitro of Sesaminol Triglucoside from Sesame Cake by Human Intestinal Microbiota. Journal of Agricultural and Food Chemistry, 2013, 61, 1868-1877.	2.4	35
249	Implications of the human microbiome in inflammatory bowel diseases. FEMS Microbiology Letters, 2013, 342, 10-17.	0.7	50
250	Broad Diversity and Newly Cultured Bacterial Isolates from Enrichment of Pig Feces on Complex Polysaccharides. Microbial Ecology, 2013, 66, 448-461.	1.4	12
251	The Human Microbiome Project strategy for comprehensive sampling of the human microbiome and why it matters. FASEB Journal, 2013, 27, 1012-1022.	0.2	328
252	Functional and evolutionary insights into the simple yet specific gut microbiota of the honey bee from metagenomic analysis. Gut Microbes, 2013, 4, 60-65.	4.3	108
253	Computational meta'omics for microbial community studies. Molecular Systems Biology, 2013, 9, 666.	3.2	253
254	The Impact of Environmental Heterogeneity and Life Stage on the Hindgut Microbiota of Holotrichia parallela Larvae (Coleoptera: Scarabaeidae). PLoS ONE, 2013, 8, e57169.	1.1	57
255	Probiotics and prebiotics and health in ageing populations. Maturitas, 2013, 75, 44-50.	1.0	157
256	Metabolomics approaches for characterizing metabolic interactions between host and its commensal microbes. Electrophoresis, 2013, 34, 2787-2798.	1.3	53

#	Article	IF	CITATIONS
257	Pathways in Microbe-Induced Obesity. Cell Metabolism, 2013, 17, 883-894.	7.2	240
258	Bacterial-Derived Uracil as a Modulator of Mucosal Immunity and Gut-Microbe Homeostasis in Drosophila. Cell, 2013, 153, 797-811.	13.5	300
259	Bacterial colonization of <i>Hydra</i> hatchlings follows a robust temporal pattern. ISME Journal, 2013, 7, 781-790.	4.4	96
261	Opportunities and challenges for gut microbiome studies in the Indian population. Microbiome, 2013, 1, 24.	4.9	51
262	Performance Characteristics of qPCR Assays Targeting Human- and Ruminant-Associated <i>Bacteroidetes </i> for Microbial Source Tracking across Sixteen Countries on Six Continents. Environmental Science & Environmental Scien	4.6	111
263	Functional Screening of a Metagenomic Library Reveals Operons Responsible for Enhanced Intestinal Colonization by Gut Commensal Microbes. Applied and Environmental Microbiology, 2013, 79, 3829-3838.	1.4	23
264	Co-evolution in context: The importance of studying gut microbiomes in wild animals. Microbiome Science and Medicine, 2013, 1 , .	0.3	138
265	Seasonal restructuring of the ground squirrel gut microbiota over the annual hibernation cycle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R33-R42.	0.9	159
266	Appraisal of Microbial Evolution to Commensalism and Pathogenicity in Humans. Clinical Medicine Insights Gastroenterology, 2013, 6, CGast.S11858.	1.0	21
267	The Role of Microbial Communities in Parturition: Is There Evidence of Association with Preterm Birth and Perinatal Morbidity and Mortality?. American Journal of Perinatology, 2013, 30, 613-624.	0.6	34
268	Rumen microbial (meta)genomics and its application to ruminant production. Animal, 2013, 7, 184-201.	1.3	173
269	<i>Candida albicans</i> Primes TLR Cytokine Responses through a Dectin-1/Raf-1–Mediated Pathway. Journal of Immunology, 2013, 190, 4129-4135.	0.4	57
270	Microbial management for bacterial pathogen control in invertebrate aquaculture hatcheries. , 2013, , 246-285.		10
271	Sympatric chimpanzees and gorillas harbor convergent gut microbial communities. Genome Research, 2013, 23, 1715-1720.	2.4	151
272	Altered Innate Defenses in the Neonatal Gastrointestinal Tract in Response to Colonization by Neuropathogenic Escherichia coli. Infection and Immunity, 2013, 81, 3264-3275.	1.0	40
273	Microbial Biotransformations of Bile Acids as Detected by Electrospray Mass Spectrometry. Advances in Nutrition, 2013, 4, 29-35.	2.9	21
274	Acidic Conditions in the NHE2 ^{-/-} Mouse Intestine Result in an Altered Mucosa-Associated Bacterial Population with Changes in Mucus Oligosaccharides. Cellular Physiology and Biochemistry, 2013, 32, 111-128.	1.1	24
275	Effect of <i>Caenorhabditis elegans</i> age and genotype on horizontal gene transfer in intestinal bacteria. FASEB Journal, 2013, 27, 760-768.	0.2	11

#	Article	IF	CITATIONS
276	The interplay between the gut microbiota and the immune system in the mechanism of type 1 diabetes. Current Opinion in Endocrinology, Diabetes and Obesity, 2013, 20, 265-270.	1.2	25
277	Whole-Transcriptome Shotgun Sequencing (RNA-seq) Screen Reveals Upregulation of Cellobiose and Motility Operons of Lactobacillus ruminis L5 during Growth on Tetrasaccharides Derived from Barley β-Glucan. Applied and Environmental Microbiology, 2013, 79, 5661-5669.	1.4	27
278	Interspecific variations in the gastrointestinal microbiota in penguins. MicrobiologyOpen, 2013, 2, 195-204.	1.2	95
279	Comparison of stool microbiota compositions, stool alpha1â€antitrypsin and calprotectin concentrations, and diarrhoeal morbidity of <scp>I</scp> ndonesian infants fed breast milk or probiotic/prebioticâ€supplemented formula. Journal of Paediatrics and Child Health, 2013, 49, 1032-1039.	0.4	25
280	The primate vaginal microbiome: Comparative context and implications for human health and disease. American Journal of Physical Anthropology, 2013, 152, 119-134.	2.1	115
281	Molecular diversity of the equine caecal microbiota and its correlation to postprandial fermentation metabolites: A preliminary approach. Acta Agriculturae Scandinavica - Section A: Animal Science, 2013, 63, 208-216.	0.2	3
282	Infant antibiotic exposures and early-life body mass. International Journal of Obesity, 2013, 37, 16-23.	1.6	417
283	Distinct antimicrobial peptide expression determines host species-specific bacterial associations. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3730-8.	3.3	312
284	The alligator gut microbiome and implications for archosaur symbioses. Scientific Reports, 2013, 3, 2877.	1.6	142
286	Impact of Ileocecal Resection and Concomitant Antibiotics on the Microbiome of the Murine Jejunum and Colon. PLoS ONE, 2013, 8, e73140.	1.1	54
287	The Metabolic and Ecological Interactions of Oxalate-Degrading Bacteria in the Mammalian Gut. Pathogens, 2013, 2, 636-652.	1.2	63
288	Genomic and Metabolomic Insights into the Natural Product Biosynthetic Diversity of a Feral-Hog-Associated Brevibacillus laterosporus Strain. PLoS ONE, 2014, 9, e90124.	1.1	25
289	The Gut of Geographically Disparate Ciona intestinalis Harbors a Core Microbiota. PLoS ONE, 2014, 9, e93386.	1.1	111
290	Cooperation, communication, and co-evolution: grand challenges in microbial symbiosis research. Frontiers in Microbiology, 2014, 5, 164.	1.5	30
291	From lifetime to evolution: timescales of human gut microbiota adaptation. Frontiers in Microbiology, 2014, 5, 587.	1.5	91
292	Characterization of the fecal microbiome in different swine groups by high-throughput sequencing. Anaerobe, 2014, 28, 157-162.	1.0	51
293	Infant formula supplemented with low protein and high carbohydrate alters the intestinal microbiota in neonatal SD rats. BMC Microbiology, 2014, 14, 279.	1.3	40
294	Bacteria dialog with Santa Rosalia: Are aggregations of cosmopolitan bacteria mainly explained by habitat filtering or by ecological interactions?. BMC Microbiology, 2014, 14, 284.	1.3	27

#	Article	IF	Citations
295	Response to Comment on "The hologenomic basis of speciation: Gut bacteria cause hybrid lethality in the genus <i>Nasonia</i> i> ― Science, 2014, 345, 1011-1011.	6.0	12
296	Characterization of Romboutsia ilealis gen. nov., sp. nov., isolated from the gastro-intestinal tract of a rat, and proposal for the reclassification of five closely related members of the genus Clostridium into the genera Romboutsia gen. nov., Intestinibacter gen. nov., Terrisporobacter gen. nov. and Asaccharospora gen. nov International Journal of Systematic and Evolutionary Microbiology, 2014,	0.8	259
297	Communities of microbial eukaryotes in the mammalian gut within the context of environmental eukaryotic diversity. Frontiers in Microbiology, 2014, 5, 298.	1.5	130
298	Characterizing the avian gut microbiota: membership, driving influences, and potential function. Frontiers in Microbiology, 2014, 5, 223.	1.5	328
299	Teleost microbiomes: the state of the art in their characterization, manipulation and importance in aquaculture and fisheries. Frontiers in Microbiology, 2014, 5, 207.	1.5	551
300	Niche Differentiation in the Dynamics of Host-Symbiont Interactions: Symbiont Prevalence as a Coexistence Problem. American Naturalist, 2014, 183, 506-518.	1.0	14
301	Old Dog, New Trick: A Direct Role for Leptin in Regulating Microbiota Composition. Endocrinology, 2014, 155, 653-655.	1.4	4
302	The giraffe (<i>Giraffa camelopardalis</i>) rumen microbiome. FEMS Microbiology Ecology, 2014, 90, 237-246.	1.3	23
303	Individuals' diet diversity influences gut microbial diversity in two freshwater fish (threespine) Tj ETQq0 0 0 rgB	Г/Oyerlock	288 ⁵⁰ 422
304	Diversity and genomic insights into the uncultured <scp><i>C</i></scp> <i>hloroflexi</i> from the human microbiota. Environmental Microbiology, 2014, 16, 2635-2643.	1.8	55
305	Influence of dietary feathers on the fecal microbiota in captive Arctic fox: Do dietary hair or feathers play a role in the evolution of carnivorous mammals?. Integrative Zoology, 2014, 9, 583-589.	1.3	3
306	Host Demise as a Beneficial Function of Indigenous Microbiota in Human Hosts. MBio, 2014, 5, .	1.8	39
307	Intestinal Alkaline Phosphatase Prevents Antibiotic-Induced Susceptibility to Enteric Pathogens. Annals of Surgery, 2014, 259, 715-722.	2.1	49
308	Toll-Like Receptor Stimulation Induces Nondefensin Protein Expression and Reverses Antibiotic-Induced Gut Defense Impairment. Infection and Immunity, 2014, 82, 1994-2005.	1.0	37
309	RNA–Stable-Isotope Probing Shows Utilization of Carbon from Inulin by Specific Bacterial Populations in the Rat Large Bowel. Applied and Environmental Microbiology, 2014, 80, 2240-2247.	1.4	36
310	Intestinal Microbial Diversity and Perioperative Complications. Journal of Parenteral and Enteral Nutrition, 2014, 38, 392-399.	1.3	56
311	Role of DUOX in gut inflammation: lessons from Drosophila model of gut-microbiota interactions. Frontiers in Cellular and Infection Microbiology, 2014, 3, 116.	1.8	161
312	Convergence of gut microbiomes in myrmecophagous mammals. Molecular Ecology, 2014, 23, 1301-1317.	2.0	311

#	Article	IF	CITATIONS
313	Phylogenetic analysis of faecal microbiota from captive cheetahs reveals underrepresentation of Bacteroidetes and Bifidobacteriaceae. BMC Microbiology, 2014, 14, 43.	1.3	64
314	Oligofructose supplementation during pregnancy and lactation impairs offspring development and alters the intestinal properties of 21-d-old pups. Lipids in Health and Disease, 2014, 13, 26.	1.2	11
315	Gut Microbiota of the Tick Vector Ixodes scapularis Modulate Colonization of the Lyme Disease Spirochete. Cell Host and Microbe, 2014, 15, 58-71.	5.1	299
316	Fecal microbiomes of nonâ€human primates in Western Uganda reveal speciesâ€specific communities largely resistant to habitat perturbation. American Journal of Primatology, 2014, 76, 347-354.	0.8	72
317	The origin of bacteria responsible for bioerosion to the internal bone microstructure: Results from experimentally-deposited pig carcasses. Forensic Science International, 2014, 239, 92-102.	1.3	79
318	Newly Cultured Bacteria with Broad Diversity Isolated from Eight-Week Continuous Culture Enrichments of Cow Feces on Complex Polysaccharides. Applied and Environmental Microbiology, 2014, 80, 574-585.	1.4	61
319	The social structure of microbial community involved in colonization resistance. ISME Journal, 2014, 8, 564-574.	4.4	83
320	From Stool Transplants to Next-Generation Microbiota Therapeutics. Gastroenterology, 2014, 146, 1573-1582.	0.6	168
321	Isolation and characterization of faecal bifidobacteria and lactobacilli isolated from dogs and primates. Anaerobe, 2014, 29, 108-112.	1.0	20
322	Antibiotic resistance gene discovery in food-producing animals. Current Opinion in Microbiology, 2014, 19, 25-29.	2.3	77
323	The future of yogurt: scientific and regulatory needs. American Journal of Clinical Nutrition, 2014, 99, 1271S-1278S.	2.2	14
324	Temporal analysis of the effect of extruded flaxseed on the swine gut microbiota. Canadian Journal of Microbiology, 2014, 60, 649-659.	0.8	11
325	<i> <scp>B</scp> acteroides </i> isolated from four mammalian hosts lack hostâ€specific 16S <scp>rRNA</scp> gene phylogeny and carbon and nitrogen utilization patterns. MicrobiologyOpen, 2014, 3, 225-238.	1.2	15
326	Intestinal microbiota in fishes: what's known and what's not. Molecular Ecology, 2014, 23, 1891-1898.	2.0	274
327	Dietary squid ink polysaccharides ameliorated the intestinal microflora dysfunction in mice undergoing chemotherapy. Food and Function, 2014, 5, 2529-2535.	2.1	34
328	The Lung Microbiome in Idiopathic Pulmonary Fibrosis. What Does It Mean and What Should We Do about It?. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 850-852.	2.5	30
329	Diet Alters Both the Structure and Taxonomy of the Ovine Gut Microbial Ecosystem. DNA Research, 2014, 21, 115-125.	1.5	37
330	Dynamics of midgut microflora and dengue virus impact on life history traits in Aedes aegypti. Acta Tropica, 2014, 140, 151-157.	0.9	22

#	Article	IF	CITATIONS
331	Rethinking the role of immunity: lessons from Hydra. Trends in Immunology, 2014, 35, 495-502.	2.9	83
332	Major <scp>H</scp> istocompatibility <scp>C</scp> omplex class <scp>II</scp> b polymorphism influences gut microbiota composition and diversity. Molecular Ecology, 2014, 23, 4831-4845.	2.0	174
333	Immune-directed support of rich microbial communities in the gut has ancient roots. Developmental and Comparative Immunology, 2014, 47, 36-51.	1.0	45
334	Symbiont shift towards Rhizobium nodulation in a group of phylogenetically related Phaseolus species. Molecular Phylogenetics and Evolution, 2014, 79, 1-11.	1.2	20
335	Is eating behavior manipulated by the gastrointestinal microbiota? Evolutionary pressures and potential mechanisms. BioEssays, 2014, 36, 940-949.	1.2	328
336	Individual diet has sex-dependent effects on vertebrate gut microbiota. Nature Communications, 2014, 5, 4500.	5.8	464
337	Digesting the emerging role for the gut microbiome in central nervous system demyelination. Multiple Sclerosis Journal, 2014, 20, 1553-1559.	1.4	60
338	Uropygial gland size and composition varies according to experimentally modified microbiome in Great tits. BMC Evolutionary Biology, 2014, 14, 134.	3.2	57
339	Primate vaginal microbiomes exhibit species specificity without universal <i>Lactobacillus</i> dominance. ISME Journal, 2014, 8, 2431-2444.	4.4	149
340	The personal touch: strategies toward personalized vaccines and predicting immune responses to them. Expert Review of Vaccines, 2014, 13, 657-669.	2.0	19
341	Insect Gut Bacterial Diversity Determined by Environmental Habitat, Diet, Developmental Stage, and Phylogeny of Host. Applied and Environmental Microbiology, 2014, 80, 5254-5264.	1.4	591
342	Nascent multicellular life and the emergence of individuality. Journal of Biosciences, 2014, 39, 237-48.	0.5	32
343	The intestinal microbiome of fish under starvation. BMC Genomics, 2014, 15, 266.	1.2	242
344	Amphibian skin may select for rare environmental microbes. ISME Journal, 2014, 8, 2207-2217.	4.4	255
345	The role of the adaptive immune system in regulation of gut microbiota. Immunological Reviews, 2014, 260, 67-75.	2.8	104
346	B cells as a critical node in the microbiota–host immune system network. Immunological Reviews, 2014, 260, 50-66.	2.8	47
347	Response of bacterial communities to environmental changes in a mesoscale subtropical watershed, Southeast China. Science of the Total Environment, 2014, 472, 746-756.	3.9	88
348	Shrinkage of the human core microbiome and a proposal for launching microbiome biobanks. Future Microbiology, 2014, 9, 639-656.	1.0	12

#	Article	IF	CITATIONS
349	Interspecific variations in the faecal microbiota of <i>Procellariiform </i> seabirds. FEMS Microbiology Ecology, 2014, 89, 47-55.	1.3	44
350	Towards an integrated understanding of gut microbiota using insects as model systems. Journal of Insect Physiology, 2014, 69, 12-18.	0.9	53
351	Ecology and characteristics of methanogenic archaea in animals and humans. Critical Reviews in Microbiology, 2014, 40, 97-116.	2.7	61
352	Mechanistic links between gut microbial community dynamics, microbial functions and metabolic health. World Journal of Gastroenterology, 2014, 20, 16498.	1.4	89
354	Scientific evidence for health effects attributed to the consumption of probiotics and prebiotics: an update for current perspectives and future challenges. British Journal of Nutrition, 2015, 114, 1993-2015.	1.2	150
355	From the wild red jungle fowl to domesticated chickens: modification of eimerian-microbiome-host interactions. World's Poultry Science Journal, 2015, 71, 349-362.	1.4	2
356	Immunogenetic control of the intestinal microbiota. Immunology, 2015, 145, 313-322.	2.0	54
357	Habitat fragmentation is associated to gut microbiota diversity of an endangered primate: implications for conservation. Scientific Reports, 2015, 5, 14862.	1.6	170
358	Influence of microbiome and diet on immune responses in food allergy models. Drug Discovery Today: Disease Models, 2015, 17-18, 71-80.	1.2	16
359	The role of the gut microbiome in host systems. Microbiology Australia, 2015, 36, 14.	0.1	1
360	Potential applications of next generation DNA sequencing of 16S rRNA gene amplicons in microbial water quality monitoring. Water Science and Technology, 2015, 72, 1962-1972.	1.2	53
361	Overview of Microbial Source Tracking Methods Targeting Human Fecal Pollution Sources. , 2015, , 3.4.3-1-3.4.3-8.		1
362	Methods of Targeting Animal Sources of Fecal Pollution in Water. , 2015, , 3.4.4-1-3.4.4-28.		2
363	Spatial heterogeneity of gut microbiota reveals multiple bacterial communities with distinct characteristics. Scientific Reports, 2014, 4, 6185.	1.6	35
364	A membrane computing simulator of trans-hierarchical antibiotic resistance evolution dynamics in nested ecological compartments (ARES). Biology Direct, 2015, 10, 41.	1.9	21
365	The players may change but the game remains: network analyses of ruminal microbiomes suggest taxonomic differences mask functional similarity. Nucleic Acids Research, 2015, 43, gkv973.	6.5	98
366	Estimating Time Since Death from Postmortem Human Gut Microbial Communities. Journal of Forensic Sciences, 2015, 60, 1234-1240.	0.9	115
367	Phylogeny-structured carbohydrate metabolism across microbiomes collected from different units in wastewater treatment process. Biotechnology for Biofuels, 2015, 8, 172.	6.2	17

#	Article	IF	CITATIONS
368	Context and the human microbiome. Microbiome, 2015, 3, 52.	4.9	81
369	Personalized medicine in idiopathic pulmonary fibrosis. Current Opinion in Pulmonary Medicine, 2015, 21, 470-478.	1.2	46
370	<scp>R</scp> uminococcal cellulosomes: molecular <scp>L</scp> ego to deconstruct microcrystalline cellulose in human gut. Environmental Microbiology, 2015, 17, 3113-3115.	1.8	3
371	The effect of anthropogenic arsenic contamination on the earthworm microbiome. Environmental Microbiology, 2015, 17, 1884-1896.	1.8	118
372	Molecular aspects of the pathogenesis of periodontitis. Periodontology 2000, 2015, 69, 7-17.	6.3	404
373	Enteric Pathogens Exploit the Microbiota-generated Nutritional Environment of the Gut. Microbiology Spectrum, 2015, 3, .	1.2	35
374	THE HUMAN MICROBIOTA: THE ROLE OF MICROBIAL COMMUNITIES IN HEALTH AND DISEASE. Acta Biologica Colombiana, 2015, 21, .	0.1	3
375	Phyllostomid bat microbiome composition is associated to host phylogeny and feeding strategies. Frontiers in Microbiology, 2015, 6, 447.	1.5	92
376	Colonization Resistance of the Gut Microbiota against Clostridium difficile. Antibiotics, 2015, 4, 337-357.	1.5	60
377	Microbiomes: unifying animal and plant systems through the lens of community ecology theory. Frontiers in Microbiology, 2015, 6, 869.	1.5	118
378	Comparative Gut Microbiota of 59 Neotropical Bird Species. Frontiers in Microbiology, 2015, 6, 1403.	1.5	216
379	Breaking down the barriers: the gut microbiome, intestinal permeability and stress-related psychiatric disorders. Frontiers in Cellular Neuroscience, 2015, 9, 392.	1.8	757
380	Integrated Community Profiling Indicates Long-Term Temporal Stability of the Predominant Faecal Microbiota in Captive Cheetahs. PLoS ONE, 2015, 10, e0123933.	1.1	10
381	Phylogenetic Analysis of Bacterial Communities in Different Regions of the Gastrointestinal Tract of Agkistrodon piscivorus, the Cottonmouth Snake. PLoS ONE, 2015, 10, e0128793.	1.1	58
382	Seasonal Shifts in Diet and Gut Microbiota of the American Bison (Bison bison). PLoS ONE, 2015, 10, e0142409.	1.1	104
383	Food-producing animals and their health in relation to human health. Microbial Ecology in Health and Disease, 2015, 26, 25876.	3.8	26
384	Influence of gut bacteria on development and progression of non-alcoholic fatty liver disease. World Journal of Hepatology, 2015, 7, 1679.	0.8	27
385	The Bamboo-Eating Giant Panda Harbors a Carnivore-Like Gut Microbiota, with Excessive Seasonal Variations. MBio, 2015, 6, e00022-15.	1.8	282

#	ARTICLE	IF	CITATIONS
386	Comparison of the gut microbiomes of 12 bony fish and 3 shark species. Marine Ecology - Progress Series, 2015, 518, 209-223.	0.9	277
387	Marked seasonal variation in the wild mouse gut microbiota. ISME Journal, 2015, 9, 2423-2434.	4.4	282
388	The Mucosal Microbiome. , 2015, , 63-77.		2
389	Microbiota and Host Nutrition across Plant and Animal Kingdoms. Cell Host and Microbe, 2015, 17, 603-616.	5.1	628
390	Adaptive immunity increases the pace and predictability of evolutionary change in commensal gut bacteria. Nature Communications, 2015, 6, 8945.	5.8	82
391	Niche Limits of Symbiotic Gut Microbiota Constrain the Salinity Tolerance of Brine Shrimp. American Naturalist, 2015, 186, 390-403.	1.0	30
392	Diet strongly influences the gut microbiota of surgeonfishes. Molecular Ecology, 2015, 24, 656-672.	2.0	194
393	Using metabolomics to analyse the role of gut microbiota in nutrition and disease. , 2015, , 115-136.		1
394	Analysis of gene–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
395	Advances in Salivary Diagnostics. , 2015, , .		14
396	Decrease in lactobacilli in the intestinal microbiota of celiac children with a gluten-free diet, and selection of potentially probiotic strains. Canadian Journal of Microbiology, 2015, 61, 32-37.	0.8	52
397	Yeast diversity and native vigor for flavor phenotypes. Trends in Biotechnology, 2015, 33, 148-154.	4.9	82
398	Recent Advances in the Integrative Nutrition of Arthropods. Annual Review of Entomology, 2015, 60, 293-311.	5.7	123
399	Human <i>Clostridium difficile</i> infection: inhibition of NHE3 and microbiota profile. American Journal of Physiology - Renal Physiology, 2015, 308, G497-G509.	1.6	84
400	Metagenomic-Based Study of the Phylogenetic and Functional Gene Diversity in Galápagos Land and Marine Iguanas. Microbial Ecology, 2015, 69, 444-456.	1.4	14
401	Microbiology of Oral Biofilm-Dependent Diseases: Have We Made Significant Progress to Understand and Treat These Diseases?. Current Oral Health Reports, 2015, 2, 37-47.	0.5	15
402	Microbiomes, plausible players or not in alteration of host behavior. Frontiers in Microbiology, 2014, 5, 775.	1.5	9
403	Lack of Vitamin D Receptor Causes Dysbiosis and Changes the Functions of the Murine Intestinal Microbiome. Clinical Therapeutics, 2015, 37, 996-1009.e7.	1.1	185

#	Article	IF	CITATIONS
404	Fecal microbiota transplantation for <i>Clostridium difficile</i> infection: back to the future. Expert Opinion on Biological Therapy, 2015, 15, 1001-1014.	1.4	16
405	Metabolic Syndrome and Complications of Pregnancy. , 2015, , .		2
406	The New Science of Metagenomics and the Challenges of Its Use in Both Developed and Developing Countries., 2015,, 191-216.		6
407	Rationale and Design of the Genomic Research in Alpha-1 Antitrypsin Deficiency and Sarcoidosis (GRADS) Study. Sarcoidosis Protocol. Annals of the American Thoracic Society, 2015, 12, 1561-1571.	1.5	64
409	Gut microbiota inhibit Asbt-dependent intestinal bile acid reabsorption via Gata4. Journal of Hepatology, 2015, 63, 697-704.	1.8	94
410	Innate immunity at mucosal surfaces: the IRE1-RIDD-RIG-I pathway. Trends in Immunology, 2015, 36, 401-409.	2.9	41
411	The Effect of Diet and Probiotics on the Human Gut Microbiome. , 2015, , 35-45.		0
412	The Good, the Bad, and the Unknown: Microbial Symbioses of the American Alligator. Integrative and Comparative Biology, 2015, 55, 972-985.	0.9	19
413	Dietary input of microbes and host genetic variation shape among-population differences in stickleback gut microbiota. ISME Journal, 2015, 9, 2515-2526.	4.4	291
414	Application of Metaâ€Mesh on the analysis of microbial communities from human associatedâ€habitats. Quantitative Biology, 2015, 3, 4-18.	0.3	2
415	Peyer's patch innate lymphoid cells regulate commensal bacteria expansion. Immunology Letters, 2015, 165, 1-9.	1.1	17
416	A molecular survey of Australian and North American termite genera indicates that vertical inheritance is the primary force shaping termite gut microbiomes. Microbiome, 2015, 3, 5.	4.9	110
417	Perturbation and restoration of the fathead minnow gut microbiome after low-level triclosan exposure. Microbiome, 2015, 3, 6.	4.9	134
418	The Human Microbiota: The Rise of an "Empire". Rambam Maimonides Medical Journal, 2015, 6, e0018.	0.4	11
419	Functional phylotyping approach for assessing intraspecific diversity of Ruminococcus albus within the rumen microbiome. FEMS Microbiology Letters, 2015, 362, 1-10.	0.7	12
420	Characterization of the cellulolytic bacteria communities along the gastrointestinal tract of Chinese Mongolian sheep by using PCR-DGGE and real-time PCR analysis. World Journal of Microbiology and Biotechnology, 2015, 31, 1103-1113.	1.7	36
421	Analysis of intestinal microbiota in hybrid house mice reveals evolutionary divergence in a vertebrate hologenome. Nature Communications, 2015, 6, 6440.	5.8	107
422	The animal gut as a melting pot for horizontal gene transfer. Canadian Journal of Microbiology, 2015, 61, 603-605.	0.8	56

#	Article	IF	CITATIONS
423	Baleen whales host a unique gut microbiome with similarities to both carnivores and herbivores. Nature Communications, 2015, 6, 8285.	5.8	184
424	Microbiota of the indoor environment: a meta-analysis. Microbiome, 2015, 3, 49.	4.9	216
425	Preening as a Vehicle for Key Bacteria in Hoopoes. Microbial Ecology, 2015, 70, 1024-1033.	1.4	19
426	Feeding on microbiomes: effects of detritivory on the taxonomic and phylogenetic bacterial composition of animal manures. FEMS Microbiology Ecology, 2015, 91, fiv117.	1.3	53
427	Functional metagenomic discovery of bacterial effectors in the human microbiome and isolation of commendamide, a GPCR G2A/132 agonist. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4825-34.	3.3	133
428	Metatranscriptomic discovery of plant biomass-degrading capacity from grass carp intestinal microbiomes. FEMS Microbiology Ecology, 2015, 91, fiv107.	1.3	51
429	The interplay between the intestinal microbiota and the immune system. Clinics and Research in Hepatology and Gastroenterology, 2015, 39, 9-19.	0.7	60
430	Intra- and Interindividual Variations Mask Interspecies Variation in the Microbiota of Sympatric Peromyscus Populations. Applied and Environmental Microbiology, 2015, 81, 396-404.	1.4	54
431	The rest of the story: the microbiome and gastrointestinal infections. Current Opinion in Microbiology, 2015, 23, 121-125.	2.3	22
432	Antibiotics in early life and obesity. Nature Reviews Endocrinology, 2015, 11, 182-190.	4.3	427
433	Comparative Analysis of the Intestinal Bacterial Communities in Different Species of Carp by Pyrosequencing. Microbial Ecology, 2015, 69, 25-36.	1.4	212
434	Composition and diversity of the bacterial community in snow leopard (Uncia uncia) distal gut. Annals of Microbiology, 2015, 65, 703-711.	1.1	5
435	Lower Level of (i) Bacteroides (i) in the Gut Microbiota Is Associated with Inflammatory Bowel Disease: A Meta-Analysis. BioMed Research International, 2016, 2016, 1-9.	0.9	186
436	Social Environment Has a Primary Influence on the Microbial and Odor Profiles of a Chemically Signaling Songbird. Frontiers in Ecology and Evolution, 2016, 4, .	1.1	45
437	The Features of Fecal and Ileal Mucosa-Associated Microbiota in Dairy Calves during Early Infection with Mycobacterium avium Subspecies paratuberculosis. Frontiers in Microbiology, 2016, 7, 426.	1.5	44
438	Gut Microbiota Diversity and Human Diseases: Should We Reintroduce Key Predators in Our Ecosystem?. Frontiers in Microbiology, 2016, 7, 455.	1.5	438
439	A First Insight into the Gut Microbiota of the Sea Turtle Caretta caretta. Frontiers in Microbiology, 2016, 7, 1060.	1.5	69
440	The Woodrat Gut Microbiota as an Experimental System for Understanding Microbial Metabolism of Dietary Toxins. Frontiers in Microbiology, 2016, 7, 1165.	1.5	65

#	Article	IF	CITATIONS
441	Bacterial Communities: Interactions to Scale. Frontiers in Microbiology, 2016, 7, 1234.	1.5	465
442	Spatial and Temporal Dynamics of Pacific Oyster Hemolymph Microbiota across Multiple Scales. Frontiers in Microbiology, 2016, 7, 1367.	1.5	83
443	Beyond 16S rRNA Community Profiling: Intra-Species Diversity in the Gut Microbiota. Frontiers in Microbiology, 2016, 7, 1475.	1.5	117
444	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
445	Lactobacilli Dominance and Vaginal pH: Why Is the Human Vaginal Microbiome Unique?. Frontiers in Microbiology, 2016, 7, 1936.	1.5	257
446	Nanosized Drug Delivery Systems in Gastrointestinal Targeting: Interactions with Microbiota. Pharmaceuticals, 2016, 9, 62.	1.7	40
447	A Single-Batch Fermentation System to Simulate Human Colonic Microbiota for High-Throughput Evaluation of Prebiotics. PLoS ONE, 2016, 11, e0160533.	1.1	92
448	Safety Evaluation of Neo Transgenic Pigs by Studying Changes in Gut Microbiota Using High-Throughput Sequencing Technology. PLoS ONE, 2016, 11, e0150937.	1.1	7
449	Age-Related Differences in the Gastrointestinal Microbiota of Chinstrap Penguins (Pygoscelis) Tj ETQq0 0 0 rgB	T /Oyerlock	2 19 Jf 50 422
450	Impact of the Chromatin Remodeling Factor CHD1 on Gut Microbiome Composition of Drosophila melanogaster. PLoS ONE, 2016, 11, e0153476.	1.1	11
451	Spatial Heterogeneity of Gut Microbial Composition along the Gastrointestinal Tract in Natural Populations of House Mice. PLoS ONE, 2016, 11, e0163720.	1.1	84
453	Microbiome evolution along divergent branches of the vertebrate tree of life: what is known and unknown. Molecular Ecology, 2016, 25, 3776-3800.	2.0	325
454	Alterations of the gut microbiome of largemouth bronze gudgeon (Coreius guichenoti) suffering from furunculosis. Scientific Reports, 2016, 6, 30606.	1.6	93
456	Toward a Predictive Understanding of Earth's Microbiomes to Address 21st Century Challenges. MBio, 2016, 7, .	1.8	124
457	Effect of in ovo administration of an adult-derived microbiota on establishment of the intestinal microbiome in chickens. American Journal of Veterinary Research, 2016, 77, 514-526.	0.3	68
459	Vertebrate bacterial gut diversity: size also matters. BMC Ecology, 2016, 16, 12.	3.0	46
460	Analysis of the microbial diversity in faecal material of the endangered blue whale, Balaenoptera musculus. Antonie Van Leeuwenhoek, 2016, 109, 1063-1069.	0.7	13

#	Article	IF	CITATIONS
462	Microbes Drive Evolution of Animals and Plants: the Hologenome Concept. MBio, 2016, 7, e01395.	1.8	358
464	Comparative analysis of the fecal bacterial community ofÂfive harbor seals (Phoca vitulina). MicrobiologyOpen, 2016, 5, 782-792.	1.2	28
465	The Role of Host Demographic Storage in the Ecological Dynamics of Heritable Symbionts. American Naturalist, 2016, 188, 446-459.	1.0	11
466	Quantification of microbial uptake of quercetin and its derivatives using an UHPLC-ESI-QTOF mass spectrometry assay. Food and Function, 2016, 7, 4082-4091.	2.1	12
467	Colonyâ€dependent sex differences in protozoan communities of the lower termite <i>Reticulitermes speratus</i> (Isoptera: Rhinotermitidae). Ecological Research, 2016, 31, 749-755.	0.7	14
468	Effect of antibiotic on survival and development of <i>Spodoptera litura </i> (Lepidoptera: Noctuidae) and its gut microbial diversity. Bulletin of Entomological Research, 2016, 106, 387-394.	0.5	38
469	Characterising the interspecific variations and convergence of gut microbiota in Anseriformes herbivores at wintering areas. Scientific Reports, 2016, 6, 32655.	1.6	46
470	Reducing Foodborne Pathogen Persistence and Transmission in Animal Production Environments: Challenges and Opportunities. Microbiology Spectrum, 2016, 4, .	1.2	15
471	Effect of antibiotic pre-treatment and pathogen challenge on the intestinal microbiota in mice. Gut Pathogens, 2016, 8, 60.	1.6	22
472	Symbiosis, Introduction to. , 2016, , 282-290.		6
473	The effect of green tea polyphenols on gut microbial diversity and fat deposition in C57BL/6J HFA mice. Food and Function, 2016, 7, 4956-4966.	2.1	45
474	Resource conflict and cooperation between human host and gut microbiota: implications for nutrition and health. Annals of the New York Academy of Sciences, 2016, 1372, 20-28.	1.8	36
475	Different Flavonoids Can Shape Unique Gut Microbiota Profile <i>In Vitro</i> Iournal of Food Science, 2016, 81, H2273-9.	1.5	46
476	Intestinal microbiota could transfer host Gut characteristics from pigs to mice. BMC Microbiology, 2016, 16, 238.	1.3	54
477	Microbiome., 2016,, 14-18.		0
478	Fecal Bacterial Composition of Sichuan Snub-Nosed Monkeys (Rhinopithecus roxellana). International Journal of Primatology, 2016, 37, 518-533.	0.9	13
479	Translational Biomedical Informatics. Advances in Experimental Medicine and Biology, 2016, , .	0.8	1
480	Metagenomics and Single-Cell Omics Data Analysis for Human Microbiome Research. Advances in Experimental Medicine and Biology, 2016, 939, 117-137.	0.8	3

#	Article	IF	Citations
481	Tiny microbes, enormous impacts: what matters in gut microbiome studies?. Genome Biology, 2016, 17, 217.	3.8	128
482	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
483	Problems of multi-species organisms: endosymbionts to holobionts. Biology and Philosophy, 2016, 31, 855-873.	0.7	56
484	Efficient Genome-Wide Sequencing and Low-Coverage Pedigree Analysis from Noninvasively Collected Samples. Genetics, 2016, 203, 699-714.	1.2	76
485	Effects of alternative plant-based feeds on hepatic and gastrointestinal histology and the gastrointestinal microbiome of sablefish (Anoplopoma fimbria). Aquaculture, 2016, 464, 683-691.	1.7	19
486	Changes of diet and dominant intestinal microbes in farmland frogs. BMC Microbiology, 2016, 16, 33.	1.3	78
487	Responses of fecal bacterial communities to resistant starch intervention in diabetic rats. Starch/Staerke, 2016, 68, 1008-1015.	1.1	8
488	Heterogeneous size datasets of broiler intestinal microbial communities can be analyzed without normalization. Poultry Science, 2016, 95, 2414-2420.	1.5	0
489	Endocannabinoids $\hat{a}\in$ " at the crossroads between the gut microbiota and host metabolism. Nature Reviews Endocrinology, 2016, 12, 133-143.	4.3	275
490	Development of new hostâ€specific <i>Bacteroides </i> <scp>qPCR</scp> s for the identification of fecal contamination sources in water. MicrobiologyOpen, 2016, 5, 83-94.	1.2	30
491	Characterisation and therapeutic manipulation of the gut microbiome in inflammatory bowel disease. Internal Medicine Journal, 2016, 46, 266-273.	0.5	22
492	Marine mammals harbor unique microbiotas shaped by and yet distinct from the sea. Nature Communications, 2016, 7, 10516.	5.8	196
493	Convergence in Multispecies Interactions. Trends in Ecology and Evolution, 2016, 31, 269-280.	4.2	39
494	Immune recognition and response to the intestinal microbiome in type 1 diabetes. Journal of Autoimmunity, 2016, 71, 10-18.	3.0	52
495	Nonalcoholic Components of Wine and Atherosclerotic Cardiovascular Disease., 2016,, 83-99.		0
496	Gut bacterial communities across tadpole ecomorphs in two diverse tropical anuran faunas. Die Naturwissenschaften, 2016, 103, 25.	0.6	85
497	The mouse gut microbiome revisited: From complex diversity to model ecosystems. International Journal of Medical Microbiology, 2016, 306, 316-327.	1.5	70
498	The bottlenose dolphin (<i>Tursiops truncatus</i>) faecal microbiota. FEMS Microbiology Ecology, 2016, 92, fiw055.	1.3	38

#	Article	IF	Citations
499	Brain-gut-microbiota axis: challenges for translation in psychiatry. Annals of Epidemiology, 2016, 26, 366-372.	0.9	157
500	Occurrence of human-associated Bacteroidetes genetic source tracking markers in raw and treated wastewater of municipal and domestic origin and comparison to standard and alternative indicators of faecal pollution. Water Research, 2016, 90, 265-276.	5.3	59
501	Identification of Specialists and Abundance-Occupancy Relationships among Intestinal Bacteria of <i>Aves</i> , Mammalia, and Actinopterygii. Applied and Environmental Microbiology, 2016, 82, 1496-1503.	1.4	3
502	Tools for the Microbiome: Nano and Beyond. ACS Nano, 2016, 10, 6-37.	7.3	137
503	Effects of indigowoad root (Radix Isatidis) on the immune responses and HSP70 gene expression of medicinal leeches (Poecilobdella manillensis) under Proteus mirabilis infection. Aquaculture, 2016, 454, 44-55.	1.7	6
504	Probiotics and Other Microbial Manipulations in Fish Feeds. , 2016, , 319-328.		3
505	Gut biogeography of the bacterial microbiota. Nature Reviews Microbiology, 2016, 14, 20-32.	13.6	1,772
506	Diversity and composition of cultivable gut bacteria in an endemic island bird and its mainland sister species. Symbiosis, 2017, 71, 155-164.	1.2	5
507	Characterization of dominant and cellulolytic bacterial communities along the gut of silver carp Hypophthalmichthys molitrix during cyanobacterial blooms. Chinese Journal of Oceanology and Limnology, 2017, 35, 624-633.	0.7	4
508	Basic Definitions and Concepts: Organization of the Gut Microbiome. Gastroenterology Clinics of North America, 2017, 46, 1-8.	1.0	15
509	Microbes and Cancer. Annual Review of Immunology, 2017, 35, 199-228.	9.5	202
510	Evaluating the core microbiota in complex communities: A systematic investigation. Environmental Microbiology, 2017, 19, 1450-1462.	1.8	187
511	Negative binomial mixed models for analyzing microbiome count data. BMC Bioinformatics, 2017, 18, 4.	1.2	113
512	Mining the Human Gut Microbiota for Immunomodulatory Organisms. Cell, 2017, 168, 928-943.e11.	13.5	554
513	Inonotus obliquus polysaccharide regulates gut microbiota of chronic pancreatitis in mice. AMB Express, 2017, 7, 39.	1.4	40
514	A comprehensive profiling of supragingival bacterial composition in Chinese twin children and their mothers. Antonie Van Leeuwenhoek, 2017, 110, 615-627.	0.7	10
515	Microbiomic differences in tumor and paired-normal tissue in head and neck squamous cell carcinomas. Genome Medicine, 2017, 9, 14.	3.6	97
516	Experimental Evaluation of Host Adaptation of Lactobacillus reuteri to Different Vertebrate Species. Applied and Environmental Microbiology, 2017, 83, .	1.4	87

#	Article	IF	CITATIONS
517	Safety Assessment of Transgenic Microbiology. , 2017, , 207-227.		0
518	Safety Assessment of Genetically Modified Foods. , 2017, , .		5
519	An insider's perspective: Bacteroides as a window into the microbiome. Nature Microbiology, 2017, 2, 17026.	5.9	416
520	Making a microbiome: the many determinants of host-associated microbial community composition. Current Opinion in Microbiology, 2017, 35, 23-29.	2.3	201
521	From complex gut communities to minimal microbiomes via cultivation. Current Opinion in Microbiology, 2017, 38, 148-155.	2.3	23
522	Convergence of gut microbiotas in the adaptive radiations of African cichlid fishes. ISME Journal, 2017, 11, 1975-1987.	4.4	76
523	The Diet and Gut Microbial Communities of Two Closely Related Combtooth Blennies, <i>Chasmodes saburrae </i> Scartella cristata Copeia, 2017, 105, 249-256.	1.4	5
524	Transmission of the gut microbiota: spreading of health. Nature Reviews Microbiology, 2017, 15, 531-543.	13.6	150
525	Diet shifts provoke complex and variable changes in the metabolic networks of the ruminal microbiome. Microbiome, 2017, 5, 60.	4.9	38
526	Evolution of bacterial virulence. FEMS Microbiology Reviews, 2017, 41, 679-697.	3.9	139
527	Bacterial Signatures of "Red-Operculum―Disease in the Gut of Crucian Carp (Carassius auratus). Microbial Ecology, 2017, 74, 510-521.	1.4	112
528	The Microbiome and Human Biology. Annual Review of Genomics and Human Genetics, 2017, 18, 65-86.	2.5	266
529	Dynamic microbiome evolution in social bees. Science Advances, 2017, 3, e1600513.	4.7	349
530	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. Journal of Nutrition, 2017, 147, 727-745.	1.3	280
531	The gut microbiota of centenarians: Signatures of longevity in the gut microbiota profile. Mechanisms of Ageing and Development, 2017, 165, 180-184.	2.2	125
532	A first insight into the intestinal microbiota of snow trout (Schizothorax zarudnyi). Symbiosis, 2017, 72, 183-193.	1.2	16
533	Patenting the microbiome: trends, challenges and insights. Pharmaceutical Patent Analyst, 2017, 6, 273-282.	0.4	2
534	A communal catalogue reveals Earth's multiscale microbial diversity. Nature, 2017, 551, 457-463.	13.7	1,942

#	Article	IF	Citations
535	A secreted antibacterial neuropeptide shapes the microbiome of Hydra. Nature Communications, 2017, 8, 698.	5.8	101
536	Microbiomes Associated with Animals: Implications for Livestock and Animal Production. , 2017, , 41-63.		1
537	Wild Mouse Gut Microbiota Promotes Host Fitness and Improves Disease Resistance. Cell, 2017, 171, 1015-1028.e13.	13.5	603
538	Health and environmental applications of gut microbiome: a review. Ecological Chemistry and Engineering S, 2017, 24, 467-482.	0.3	5
539	Core fecal microbiota of domesticated herbivorous ruminant, hindgut fermenters, and monogastric animals. MicrobiologyOpen, 2017, 6, e00509.	1.2	83
540	Microbial Metabolic Networks at the Mucus Layer Lead to Diet-Independent Butyrate and Vitamin B ₁₂ Production by Intestinal Symbionts. MBio, 2017, 8, .	1.8	269
541	Determination of crAssphage in water samples and applicability for tracking human faecal pollution. Microbial Biotechnology, 2017, 10, 1775-1780.	2.0	96
543	Metabolic programming of the epigenome: host and gut microbial metabolite interactions with host chromatin. Translational Research, 2017, 189, 30-50.	2.2	34
544	<i>Fibrobacter</i> communities in the gastrointestinal tracts of diverse hindgutâ€fermenting herbivores are distinct from those of the rumen. Environmental Microbiology, 2017, 19, 3768-3783.	1.8	35
545	The evolution of the host microbiome as an ecosystem on a leash. Nature, 2017, 548, 43-51.	13.7	687
546	Gut microbiome response to shortâ€term dietary interventions in reactive hypoglycemia subjects. Diabetes/Metabolism Research and Reviews, 2017, 33, e2927.	1.7	14
547	Learning Objectives for Weaving Evolutionary Thinking into Medical Education. Medical Science Educator, 2017, 27, 137-145.	0.7	2
548	A High-Throughput DNA-Sequencing Approach for Determining Sources of Fecal Bacteria in a Lake Superior Estuary. Environmental Science & Estuary. Environmental Estuary. Estua	4.6	54
549	Responses of earthworms and microbial communities in their guts to Triclosan. Chemosphere, 2017, 168, 1194-1202.	4.2	63
550	Factors shaping the composition of the cutaneous microbiota. British Journal of Dermatology, 2017, 176, 344-351.	1.4	51
551	Mechanisms of inflammation-driven bacterial dysbiosis in the gut. Mucosal Immunology, 2017, 10, 18-26.	2.7	533
552	The microbiome of a striped dolphin (Stenella coeruleoalba) stranded in Portugal. Research in Microbiology, 2017, 168, 85-93.	1.0	38
553	Devil in the detail: a closer look at childhood obesity and the gut microbiota. Environmental Microbiology, 2017, 19, 11-12.	1.8	7

#	Article	IF	CITATIONS
554	Exploring the bacterial gut microbiota of supralittoral talitrid amphipods. Research in Microbiology, 2017, 168, 74-84.	1.0	13
555	Electromagnetic homeostasis and the role of low-amplitude electromagnetic fields on life organization. Electromagnetic Biology and Medicine, 2017, 36, 115-122.	0.7	25
556	Black rhinoceros (<i>Diceros bicornis</i>) and domestic horse (<i>Equus caballus</i>) hindgut microflora demonstrate similar fermentation responses to grape seed extract supplementation <i>inÂvitro</i> . Journal of Animal Physiology and Animal Nutrition, 2017, 101, e195-e209.	1.0	4
557	Intestinal microbiome landscaping: insight in community assemblage and implications for microbial modulation strategies. FEMS Microbiology Reviews, 2017, 41, 182-199.	3.9	182
558	Gut region influences the diversity and interactions of bacterial communities in pikas (Ochotona) Tj ETQq0 0 0 0	gBŢ <i>ḷ</i> Over	lock 10 Tf 50
559	Gut Microbiota and Atherosclerosis. Current Atherosclerosis Reports, 2017, 19, 39.	2.0	62
560	"l Am I and My Bacterial Circumstances― Linking Gut Microbiome, Neurodevelopment, and Depression. Frontiers in Psychiatry, 2017, 8, 153.	1.3	61
561	Transcriptome analysis illuminates the nature of the intracellular interaction in a vertebrate-algal symbiosis. ELife, 2017, 6, .	2.8	44
562	Meta Analysis of Skin Microbiome: New Link between Skin Microbiota Diversity and Skin Health with Proposal to Use This as a Future Mechanism to Determine Whether Cosmetic Products Damage the Skin. Cosmetics, 2017, 4, 14.	1.5	27
563	Innate Lymphoid Cells in HIV/SIV Infections. Frontiers in Immunology, 2017, 8, 1818.	2.2	17
564	Nutritional Models of Experimentally-Induced Subacute Ruminal Acidosis (SARA) Differ in Their Impact on Rumen and Hindgut Bacterial Communities in Dairy Cows. Frontiers in Microbiology, 2016, 7, 2128.	1.5	97
565	Multi-Omics Analysis Reveals a Correlation between the Host Phylogeny, Gut Microbiota and Metabolite Profiles in Cyprinid Fishes. Frontiers in Microbiology, 2017, 8, 454.	1.5	57
566	Functional Resilience and Response to a Dietary Additive (Kefir) in Models of Foregut and Hindgut Microbial Fermentation In Vitro. Frontiers in Microbiology, 2017, 8, 1194.	1.5	1
567	Human Gut Microbiota: Toward an Ecology of Disease. Frontiers in Microbiology, 2017, 8, 1265.	1.5	110
568	Captivity Shapes the Gut Microbiota of Andean Bears: Insights into Health Surveillance. Frontiers in Microbiology, 2017, 8, 1316.	1.5	110
569	Comparative Analysis of the Gut Microbiota Composition between Captive and Wild Forest Musk Deer. Frontiers in Microbiology, 2017, 8, 1705.	1.5	127
570	Cross Talk: The Microbiota and Neurodevelopmental Disorders. Frontiers in Neuroscience, 2017, 11, 490.	1.4	194
571	The Role of Supplemental Complex Dietary Carbohydrates and Gut Microbiota in Promoting Cardiometabolic and Immunological Health in Obesity: Lessons from Healthy Non-Obese Individuals. Frontiers in Nutrition, 2017, 4, 34.	1.6	31

#	Article	IF	CITATIONS
572	Comparative characterization of bacterial communities in geese fed all-grass or high-grain diets. PLoS ONE, 2017, 12, e0185590.	1.1	29
573	Habitat and indigenous gut microbes contribute to the plasticity of gut microbiome in oriental river prawn during rapid environmental change. PLoS ONE, 2017, 12, e0181427.	1.1	67
574	Microbial community composition along the digestive tract in forage- and grain-fed bison. BMC Veterinary Research, 2017, 13, 253.	0.7	41
575	Models of microbiome evolution incorporating host and microbial selection. Microbiome, 2017, 5, 127.	4.9	43
576	Multi-level comparisons of cloacal, skin, feather and nest-associated microbiota suggest considerable influence of horizontal acquisition on the microbiota assembly of sympatric woodlarks and skylarks. Microbiome, 2017, 5, 156.	4.9	73
577	Effect on the Host Metabolism., 2017,, 249-253.		2
579	Tea and coffee time with bacteria – Investigation of uptake of key coffee and tea phenolics by wild type E. coli. Food Research International, 2018, 108, 584-594.	2.9	10
580	The Ruminococci: key symbionts of the gut ecosystem. Journal of Microbiology, 2018, 56, 199-208.	1.3	199
581	Modulation of intestine development by fecal microbiota transplantation in suckling pigs. RSC Advances, 2018, 8, 8709-8720.	1.7	18
582	Evaluation of magnetic cellulose bead-based DNA extraction from faecal materials for high-throughput bacterial community analyses. Applied Entomology and Zoology, 2018, 53, 281-286.	0.6	5
583	The functionality of prebiotics as immunostimulant: Evidences from trials on terrestrial and aquatic animals. Fish and Shellfish Immunology, 2018, 76, 272-278.	1.6	172
584	Shamanic Microscopy: Cellular Souls, Microbial Spirits. Anthropology of Consciousness, 2018, 29, 8-43.	0.5	1
585	Microbiome and Gut Dysbiosis. Experientia Supplementum (2012), 2018, 109, 459-476.	0.5	121
586	Hologenomic adaptations underlying the evolution of sanguivory in the common vampire bat. Nature Ecology and Evolution, 2018, 2, 659-668.	3.4	124
587	Microbiome assembly of avian eggshells and their potential as transgenerational carriers of maternal microbiota. ISME Journal, 2018, 12, 1375-1388.	4.4	53
588	Gut microbiota modulates type I interferon and antibody-mediated immune responses in chickens infected with influenza virus subtype H9N2. Beneficial Microbes, 2018, 9, 417-427.	1.0	47
589	GPR43 mediates microbiota metabolite SCFA regulation of antimicrobial peptide expression in intestinal epithelial cells via activation of mTOR and STAT3. Mucosal Immunology, 2018, 11, 752-762.	2.7	322
590	Significant improvement of intestinal microbiota of gibel carp (<i>Carassius auratus gibelio</i>) after traditional Chinese medicine feeding. Journal of Applied Microbiology, 2018, 124, 829-841.	1.4	51

#	Article	IF	CITATIONS
591	Prebiotic Supplementation Following Ileocecal Resection in a Murine Model is Associated With a Loss of Microbial Diversity and Increased Inflammation. Inflammatory Bowel Diseases, 2018, 24, 101-110.	0.9	10
592	Processes shaping gut microbiota diversity in allopatric populations of the endemic lizard Podarcis lilfordi from Menorcan islets (Balearic Islands). FEMS Microbiology Ecology, 2018, 94, .	1.3	20
593	Microbial community and diversity in the feces of Sichuan takin (Budorcas taxicolor tibetana) as revealed by Illumina Miseq sequencing and quantitative real-time PCR. AMB Express, 2018, 8, 68.	1.4	5
594	The hologenome concept of evolution after 10Âyears. Microbiome, 2018, 6, 78.	4.9	326
595	Seasonal and algal diet-driven patterns of the digestive microbiota of the European abalone Haliotis tuberculata, a generalist marine herbivore. Microbiome, 2018, 6, 60.	4.9	50
596	Effect of live yeast Saccharomyces cerevisiae (Actisaf Sc 47) supplementation on the performance and hindgut microbiota composition of weanling pigs. Scientific Reports, 2018, 8, 5315.	1.6	44
597	Of genes and microbes: solving the intricacies in host genomes. Protein and Cell, 2018, 9, 446-461.	4.8	34
598	Syncretic Ontologies of the Microbial-Shamanic Beings. , 2018, , 65-97.		0
599	Plant essential oils as fish diet additives: benefits on fish health and stability in feed. Reviews in Aquaculture, 2018, 10, 716-726.	4.6	120
600	The seed microbiome: Origins, interactions, and impacts. Plant and Soil, 2018, 422, 7-34.	1.8	338
601	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
602	Analysis of the Microbial Diversity in the Fecal Material of Giraffes. Current Microbiology, 2018, 75, 323-327.	1.0	6
603	Impacts of the Human Gut Microbiome on Therapeutics. Annual Review of Pharmacology and Toxicology, 2018, 58, 253-270.	4.2	74
604	How Research on Microbiomes is Changing Biology: A Discussion on the Concept of the Organism. Foundations of Science, 2018, 23, 603-620.	0.4	17
605	Adverse effect of early-life high-fat/high-carbohydrate ("Westernâ€) diet on bacterial community in the distal bowel of mice. Nutrition Research, 2018, 50, 25-36.	1.3	20
606	Holobionts as Units of Selection and a Model of Their Population Dynamics and Evolution. Biological Theory, 2018, 13, 44-65.	0.8	134
607	Characterization of the gut microbiota in early life stages of pikeperch <scp><i>Sander lucioperca</i></scp> . Journal of Fish Biology, 2018, 92, 94-104.	0.7	17
608	Mouse models for human intestinal microbiota research: a critical evaluation. Cellular and Molecular Life Sciences, 2018, 75, 149-160.	2.4	380

#	Article	IF	CITATIONS
609	Detection of carbohydrate-active enzymes and genes in a spent engine oil-perturbed agricultural soil. Bulletin of the National Research Centre, 2018, 42, .	0.7	24
610	Methanogens in the Gastrointestinal Tract of Animals. Microbiology Monographs, 2018, , 121-152.	0.3	2
611	Influence of dietary supplementation with Bacillus licheniformis and Saccharomyces cerevisiae as alternatives to monensin on growth performance, antioxidant, immunity, ruminal fermentation and microbial diversity of fattening lambs. Scientific Reports, 2018, 8, 16712.	1.6	54
612	A cAMP/CRP-controlled mechanism for the incorporation of extracellular ADP-glucose in Escherichia coli involving NupC and NupG nucleoside transporters. Scientific Reports, 2018, 8, 15509.	1.6	20
613	Temporal Variability of <i>Escherichia coli</i> Diversity in the Gastrointestinal Tracts of Tanzanian Children with and without Exposure to Antibiotics. MSphere, 2018, 3, .	1.3	23
614	A randomized clinical trial examining the impact of LGG probiotic supplementation on psychological status in middle-aged and older adults. Contemporary Clinical Trials Communications, 2018, 12, 192-197.	0.5	17
615	Social network community structure and the contact-mediated sharing of commensal <i>E. coli</i> among captive rhesus macaques (<i>Macaca mulatta</i>). Peerl, 2018, 6, e4271.	0.9	21
616	(Endo)symbiotic Methanogenic Archaea. Microbiology Monographs, 2018, , .	0.3	9
617	Association of bovine major histocompatibility complex (BoLA) gene polymorphism with colostrum and milk microbiota of dairy cows during the first week of lactation. Microbiome, 2018, 6, 203.	4.9	38
618	Microbial Ecology of the Bivalvia, with an Emphasis on the Family Ostreidae. Journal of Shellfish Research, 2018, 37, 793-806.	0.3	69
619	Implications of Microbes in Forensic DNA Fingerprinting. , 2018, , 307-317.		1
620	New Therapeutic Drugs from Bioactive Natural Molecules: The Role of Gut Microbiota Metabolism in Neurodegenerative Diseases. Current Drug Metabolism, 2018, 19, 478-489.	0.7	26
621	Genetic Effects on the Gut Microbiota Assemblages of Hybrid Fish From Parents With Different Feeding Habits. Frontiers in Microbiology, 2018, 9, 2972.	1.5	46
622	Practical considerations for sampling and data analysis in contemporary metagenomics-based environmental studies. Journal of Microbiological Methods, 2018, 154, 14-18.	0.7	12
623	Bacteria richness and antibiotic-resistance in bats from a protected area in the Atlantic Forest of Southeastern Brazil. PLoS ONE, 2018, 13, e0203411.	1.1	19
624	Qiita: rapid, web-enabled microbiome meta-analysis. Nature Methods, 2018, 15, 796-798.	9.0	459
625	Fecal source identification using random forest. Microbiome, 2018, 6, 185.	4.9	88
626	Protective role of the vulture facial skin and gut microbiomes aid adaptation to scavenging. Acta Veterinaria Scandinavica, 2018, 60, 61.	0.5	40

#	Article	IF	Citations
627	Gut Microbiome in Obesity, Metabolic Syndrome, and Diabetes. Current Diabetes Reports, 2018, 18, 129.	1.7	106
628	Microbial nitrogen limitation in the mammalian large intestine. Nature Microbiology, 2018, 3, 1441-1450.	5.9	107
630	Rapid Divergence of Genome Architectures Following the Origin of an Ectomycorrhizal Symbiosis in the Genus Amanita. Molecular Biology and Evolution, 2018, 35, 2786-2804.	3.5	28
631	Absorption of (i) Codonopsis pilosula (i) Saponins by Coexisting Polysaccharides Alleviates Gut Microbial Dysbiosis with Dextran Sulfate Sodium-Induced Colitis in Model Mice. BioMed Research International, 2018, 2018, 1-18.	0.9	60
632	Habitat environments impacted the gut microbiome of long-distance migratory swan geese but central species conserved. Scientific Reports, 2018, 8, 13314.	1.6	54
633	Effects of extruded aquafeed on growth performance and gut microbiome of juvenile Totoaba macdonaldi. Animal Feed Science and Technology, 2018, 245, 91-103.	1.1	34
634	Probiotics and Ruminant Health. , 2018, , .		9
635	Lactobacillus salivarius reverse antibiotic-induced lung defense impairment in a ventilator model. Journal of Translational Medicine, 2018, 16, 225.	1.8	5
636	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
637	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	1.7	604
638	Phylogenetic and trophic determinants of gut microbiota in soil oribatid mites. Soil Biology and Biochemistry, 2018, 123, 155-164.	4.2	16
639	Occurrence of anthropozoonotic parasitic infections and faecal microbes in free-ranging sperm whales (Physeter macrocephalus) from the Mediterranean Sea. Parasitology Research, 2018, 117, 2531-2541.	0.6	18
640	Visualization of Microbiota in Tick Guts by Whole-mount In Situ Hybridization. Journal of Visualized Experiments, 2018, , .	0.2	2
641	Functional variation in the gut microbiome of wild <i>Drosophila</i> populations. Molecular Ecology, 2018, 27, 2834-2845.	2.0	48
642	Gut microflora may facilitate adaptation to anthropic habitat: A comparative study in <i>Rattus</i> Ecology and Evolution, 2018, 8, 6463-6472.	0.8	4
643	Metagenomics: Implications in Oral Health and Disease. , 2018, , 179-195.		7
644	Characterization of Wild and Captive Baboon Gut Microbiota and Their Antibiotic Resistomes. MSystems, 2018, 3, .	1.7	51
645	Phytochemicals That Influence Gut Microbiota as Prophylactics and for the Treatment of Obesity and Inflammatory Diseases. Mediators of Inflammation, 2018, 2018, 1-18.	1.4	130

#	Article	IF	CITATIONS
646	The Gut Microbiome as a Target for the Treatment of Type 2 Diabetes. Current Diabetes Reports, 2018, 18, 55.	1.7	85
647	Alternate life history phases of a common seaweed have distinct microbial surface communities. Molecular Ecology, 2018, 27, 3555-3568.	2.0	41
648	Effect of temperature and dietary lipid proportion on gut microbiota in yellowtail kingfish Seriola lalandi juveniles. Aquaculture, 2018, 497, 269-277.	1.7	59
649	Water system is a controlling variable modulating bacterial diversity of gastrointestinal tract and performance in rainbow trout. PLoS ONE, 2018, 13, e0195967.	1.1	20
650	Diarrhea-Associated Intestinal Microbiota in Captive Sichuan Golden Snub-Nosed Monkeys (<i>Rhinopithecus roxellana</i>). Microbes and Environments, 2018, 33, 249-256.	0.7	14
651	Inferences of gut bacterial diversity from next-generation sequencing of 16S rDNA in deep sea blind ray - Benthobatis moresbyi. Ecological Genetics and Genomics, 2018, 9, 1-6.	0.3	2
652	Are microbiome studies ready for hypothesis-driven research?. Current Opinion in Microbiology, 2018, 44, 61-69.	2.3	27
653	Microbiome and Diseases: Pathogen Infection. , 2018, , 209-230.		0
654	Evolutionary Perspectives on the Human Gut Microbiome., 2018,, 67-78.		0
655	<i>Papio</i> spp. Colon microbiome and its link to obesity in pregnancy. Journal of Medical Primatology, 2018, 47, 393-401.	0.3	3
656	Ixodes Immune Responses Against Lyme Disease Pathogens. Frontiers in Cellular and Infection Microbiology, 2018, 8, 176.	1.8	9
657	Composition and Functional Specialists of the Gut Microbiota of Frogs Reflect Habitat Differences and Agricultural Activity. Frontiers in Microbiology, 2017, 8, 2670.	1.5	50
658	Skin Microbiomes of California Terrestrial Salamanders Are Influenced by Habitat More Than Host Phylogeny. Frontiers in Microbiology, 2018, 9, 442.	1.5	58
659	Gut Microbiome Associates With Lipid-Lowering Effect of Rosuvastatin in Vivo. Frontiers in Microbiology, 2018, 9, 530.	1.5	86
660	The Expensive-Tissue Hypothesis in Vertebrates: Gut Microbiota Effect, a Review. International Journal of Molecular Sciences, 2018, 19, 1792.	1.8	19
661	Huddling remodels gut microbiota to reduce energy requirements in a small mammal species during cold exposure. Microbiome, 2018, 6, 103.	4.9	90
662	Composition of gut microbiota and its influence on the immunogenicity of oral rotavirus vaccines. Vaccine, 2018, 36, 3427-3433.	1.7	26
663	In-depth resistome analysis by targeted metagenomics. Microbiome, 2018, 6, 11.	4.9	115

#	Article	IF	CITATIONS
664	Feminizing Wolbachia influence microbiota composition in the terrestrial isopod Armadillidium vulgare. Scientific Reports, 2018, 8, 6998.	1.6	45
665	Effects of dietary supplementation of Ulva pertusa and non-starch polysaccharide enzymes on gut microbiota of Siganus canaliculatus. Journal of Oceanology and Limnology, 2018, 36, 438-449.	0.6	28
666	Microbial Biogeography Along the Gastrointestinal Tract of a Red Panda. Frontiers in Microbiology, 2018, 9, 1411.	1.5	26
667	Effects of Intravenous Infusion With Sodium Butyrate on Colonic Microbiota, Intestinal Development- and Mucosal Immune-Related Gene Expression in Normal Growing Pigs. Frontiers in Microbiology, 2018, 9, 1652.	1.5	18
668	Diet simplification selects for high gut microbial diversity and strong fermenting ability in high-altitude pikas. Applied Microbiology and Biotechnology, 2018, 102, 6739-6751.	1.7	75
669	Opportunistic Food-Borne Pathogens. , 2018, , 269-306.		13
670	16S rRNA analysis of diversity of manure microbial community in dairy farm environment. PLoS ONE, 2018, 13, e0190126.	1.1	47
671	Fecal Bacteriome and Mycobiome in Bats with Diverse Diets in South China. Current Microbiology, 2018, 75, 1352-1361.	1.0	37
672	Seasonality of the gut microbiota of free-ranging white-faced capuchins in a tropical dry forest. ISME Journal, 2019, 13, 183-196.	4.4	83
673	Effect of dietary fiber levels on bacterial composition with age in the cecum of meat rabbits. MicrobiologyOpen, 2019, 8, e00708.	1.2	9
674	Terrestriality and bacterial transfer: a comparative study of gut microbiomes in sympatric Malagasy mammals. ISME Journal, 2019, 13, 50-63.	4.4	59
675	Characteristics of microbial communities and intestinal pathogenic bacteria for migratedLarus ridibundusin southwest China. MicrobiologyOpen, 2019, 8, e00693.	1.2	13
676	Assessment of rumen microbial diversity of buffalo raised under typical feeding condition using Illumina Sequencing technique. IOP Conference Series: Earth and Environmental Science, 2019, 247, 012064.	0.2	3
677	Horizontal Gene Transfer in Obligate Parasites. , 2019, , 235-255.		1
678	High-throughput sequencing reveals the gut and lung prokaryotic community profiles of the Chinese giant salamander (Andrias davidianus). Molecular Biology Reports, 2019, 46, 5143-5154.	1.0	7
679	Global change-driven use of onshore habitat impacts polar bear faecal microbiota. ISME Journal, 2019, 13, 2916-2926.	4.4	33
680	Gut Microbiota Interventions With Clostridium butyricum and Norfloxacin Modulate Immune Response in Experimental Autoimmune Encephalomyelitis Mice. Frontiers in Immunology, 2019, 10, 1662.	2.2	58
681	Effect of dietary vitamin B ₆ supplementation on growth and intestinal microflora of juvenile golden pompano (<i>Trachinotus ovatus</i>). Aquaculture Research, 2019, 50, 2359-2370.	0.9	9

#	Article	IF	CITATIONS
682	Comparison of gut microbiota diversity between wild and captive bharals (Pseudois nayaur). BMC Veterinary Research, 2019, 15, 243.	0.7	29
683	Effect of dietary supplementation with citral-loaded nanostructured systems on innate immune responses and gut microbiota of silver catfish (Rhamdia quelen). Journal of Functional Foods, 2019, 60, 103454.	1.6	12
684	Comparison of the gut microbiotas of laboratory and wild Asian house shrews (<i>Suncus) Tj ETQq0 0 0 rgB</i>	T Oyerloc	k 10 Tf 50 6
685	Gut microbiota in phytopharmacology: A comprehensive overview of concepts, reciprocal interactions, biotransformations and mode of actions. Pharmacological Research, 2019, 147, 104367.	3.1	135
686	Evolution of diet across the animal tree of life. Evolution Letters, 2019, 3, 339-347.	1.6	34
687	The bidirectional relationship between host physiology and microbiota and health benefits of probiotics: A review. Trends in Food Science and Technology, 2019, 91, 426-435.	7.8	33
688	Currency, Exchange, and Inheritance in the Evolution of Symbiosis. Trends in Microbiology, 2019, 27, 836-849.	3.5	29
689	Shifting Climates, Foods, and Diseases: The Human Microbiome through Evolution. BioEssays, 2019, 41, e1900034.	1.2	21
690	Microcins in Enterobacteriaceae: Peptide Antimicrobials in the Eco-Active Intestinal Chemosphere. Frontiers in Microbiology, 2019, 10, 2261.	1.5	101
691	Comparative characterization of bacterial communities in geese consuming of different proportions of ryegrass. PLoS ONE, 2019, 14, e0223445.	1.1	27
692	Vasoactive Intestinal Peptide Deficiency Is Associated With Altered Gut Microbiota Communities in Male and Female C57BL/6 Mice. Frontiers in Microbiology, 2019, 10, 2689.	1.5	14
693	Microbiome of Co-cultured Fish Exhibits Host Selection and Niche Differentiation at the Organ Scale. Frontiers in Microbiology, 2019, 10, 2576.	1.5	31
694	Pollinator diseases: the Bombus–Crithidia system. , 2019, , 3-31.		11
695	Phylogeography and Ecological Niche Shape the Cichlid Fish Gut Microbiota in Central American and African Lakes. Frontiers in Microbiology, 2019, 10, 2372.	1.5	31
696	City life alters the gut microbiome and stable isotope profiling of the eastern water dragon (<i>Intellagama lesueurii</i> I). Molecular Ecology, 2019, 28, 4592-4607.	2.0	27
697	Effects of Land Transport Stress on Variations in Ruminal Microbe Diversity and Immune Functions in Different Breeds of Cattle. Animals, 2019, 9, 599.	1.0	26
698	Does Soil Contribute to the Human Gut Microbiome?. Microorganisms, 2019, 7, 287.	1.6	95
699	Gut segments outweigh the diet in shaping the intestinal microbiota composition in grass carp Ctenopharyngodon idellus. AMB Express, 2019, 9, 44.	1.4	14

#	Article	IF	Citations
700	The Pacific harbor seal gut microbiota in Mexico: Its relationship with diet and functional inferences. PLoS ONE, 2019, 14, e0221770.	1.1	24
701	Culture-dependent and metagenomic analysis of lesser horseshoe bats' gut microbiome revealing unique bacterial diversity and signatures of potential human pathogens. Microbial Pathogenesis, 2019, 137, 103675.	1.3	18
702	Aryl hydrocarbon receptor ligands enhance lung immunity through intestinal IKK \hat{l}^2 pathways. Journal of Translational Medicine, 2019, 17, 304.	1.8	10
703	An Experimental Approach to Rigorously Assess Paneth Cell α-Defensin (Defa) mRNA Expression in C57BL/6 Mice. Scientific Reports, 2019, 9, 13115.	1.6	17
704	New insights into the gut microbiome in loggerhead sea turtles Caretta caretta stranded on the Mediterranean coast. PLoS ONE, 2019, 14, e0220329.	1.1	59
705	Seasonal Changes in Gut Microbiota Diversity and Composition in the Greater Horseshoe Bat. Frontiers in Microbiology, 2019, 10, 2247.	1.5	45
706	Discovery of novel bacterial queuine salvage enzymes and pathways in human pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19126-19135.	3.3	36
707	Genomic diversity landscape of the honey bee gut microbiota. Nature Communications, 2019, 10, 446.	5.8	187
708	The Role of Every-Day Cosmetics in Altering the Skin Microbiome: A Study Using Biodiversity. Cosmetics, 2019, 6, 2.	1.5	27
709	Effect of intestinal tapeworms on the gut microbiota of the common carp, Cyprinus carpio. Parasites and Vectors, 2019, 12, 252.	1.0	22
710	Visualization and prediction of CRISPR incidence in microbial trait-space to identify drivers of antiviral immune strategy. ISME Journal, 2019, 13, 2589-2602.	4.4	34
711	redbiom: a Rapid Sample Discovery and Feature Characterization System. MSystems, 2019, 4, .	1.7	35
712	Microbial assemblages and bioindicators as proxies for ecosystem health status: potential and limitations. Applied Microbiology and Biotechnology, 2019, 103, 6407-6421.	1.7	45
713	The Gut and Parkinson's Disease—A Bidirectional Pathway. Frontiers in Neurology, 2019, 10, 574.	1.1	110
714	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
715	Invited review: Application of meta-omics to understand the dynamic nature of the rumen microbiome and how it responds to diet in ruminants. Animal, 2019, 13, 1843-1854.	1.3	63
716	How could ethnicity-associated microbiomes contribute to personalized therapies?. Future Microbiology, 2019, 14, 451-455.	1.0	2
717	A comparative study of gut microbiomes in captive nocturnal strepsirrhines. American Journal of Primatology, 2019, 81, e22986.	0.8	15

#	Article	IF	CITATIONS
718	Evolutionary "Experiments―in Symbiosis: The Study of Model Animals Provides Insights into the Mechanisms Underlying the Diversity of Host–Microbe Interactions. BioEssays, 2019, 41, e1800256.	1.2	34
719	Fermented feed regulates growth performance and the cecal microbiota community in geese. Poultry Science, 2019, 98, 4673-4684.	1.5	46
720	Applications of "Omics―Technologies to Study Gut Health in Poultry. , 2019, , 211-234.		2
721	Microbial Ecology of the Western Gull (Larus occidentalis). Microbial Ecology, 2019, 78, 665-676.	1.4	9
722	The Cloacal Microbiome Changes with the Breeding Season in a Wild Bird. Integrative Organismal Biology, 2019, 1, oby009.	0.9	40
723	Changes in Mouse Gut Microbial Community in Response to the Different Types of Commonly Consumed Meat. Microorganisms, 2019, 7, 76.	1.6	11
724	Characterizing the microbiota in gastrointestinal tract segments of <i>Rhabdophis subminiatus</i> Dynamic changes and functional predictions. MicrobiologyOpen, 2019, 8, e789.	1.2	21
725	Effects of dietary vitamin B1 on growth performance, intestinal digestion and absorption, intestinal microflora and immune response of juvenile golden pompano (Trachinotus ovatus). Aquaculture, 2019, 506, 75-83.	1.7	36
726	Rarity of microbial species: In search of reliable associations. PLoS ONE, 2019, 14, e0200458.	1.1	20
727	Overuse of antianaerobic drug is associated with poor postchemotherapy prognosis of patients with hepatocellular carcinoma. International Journal of Cancer, 2019, 145, 2701-2711.	2.3	25
728	Affiliation and disease risk: social networks mediate gut microbial transmission among rhesus macaques. Animal Behaviour, 2019, 151, 131-143.	0.8	28
729	Gut Microbiota Shifts in Pup Athymic BALB/c Mice: An Updated Identification in Nude Mice. Animals, 2019, 9, 151.	1.0	O
730	The gut microbiota community and antioxidant enzymes activity of barramundi reared at seawater and freshwater. Fish and Shellfish Immunology, 2019, 89, 127-131.	1.6	34
731	Effects of dietary lipid sources on the intestinal microbiome and health of golden pompano (Trachinotus ovatus). Fish and Shellfish Immunology, 2019, 89, 187-197.	1.6	65
732	Gut microbiota characterization and lipid metabolism disorder found in PCB77-treated female mice. Toxicology, 2019, 420, 11-20.	2.0	16
733	A mole rat's gut microbiota suggests selective influence of diet on microbial niche space and evolution. Experimental Biology and Medicine, 2019, 244, 471-483.	1.1	2
734	Offspring Microbiomes Differ Across Breeding Sites in a Panmictic Species. Frontiers in Microbiology, 2019, 10, 35.	1.5	32
735	Dietary Short Chain Fatty Acids: How the Gut Microbiota Fight Against Autoimmune and Inflammatory Diseases., 2019,, 139-159.		5

#	Article	IF	CITATIONS
736	The Australian dingo: untamed or feral?. Frontiers in Zoology, 2019, 16, 2.	0.9	22
737	Early-Life Microbiota Exposure Restricts Myeloid-Derived Suppressor Cell–Driven Colonic Tumorigenesis. Cancer Immunology Research, 2019, 7, 544-551.	1.6	23
738	Comparative analysis and characterization of the gut microbiota of four farmed snakes from southern China. PeerJ, 2019, 7, e6658.	0.9	25
739	Gut Microbiomes of the Eastern Oyster (<i>Crassostrea virginica </i>) and the Blue Mussel () Tj ETQq1 1 0.78431 Microbial Communities. MSphere, 2019, 4, .	4 rgBT /O 1.3	verlock 10 54
740	Comparative analysis of microbiota along the length of the gastrointestinal tract of two tree squirrel species (<i>Sciurus aberti</i> and <i>S. niger</i>) living in sympatry. Ecology and Evolution, 2019, 9, 13344-13358.	0.8	5
741	Dietary energy and protein levels influenced the growth performance, ruminal morphology and fermentation and microbial diversity of lambs. Scientific Reports, 2019, 9, 16612.	1.6	37
742	Comparative study on the effects of different feeding habits and diets on intestinal microbiota in Acipenser baeri Brandt and Huso huso. BMC Microbiology, 2019, 19, 297.	1.3	17
743	Gut microbiota composition of Japanese macaques associates with extent of human encroachment. American Journal of Primatology, 2019, 81, e23072.	0.8	22
744	Maturation of the Goat Rumen Microbiota Involves Three Stages of Microbial Colonization. Animals, 2019, 9, 1028.	1.0	29
745	The gut microbiota: a new perspective on the toxicity of malachite green (MG). Applied Microbiology and Biotechnology, 2019, 103, 9723-9737.	1.7	12
746	Gut Microbiome of Chinese Forest Musk Deer Examined across Gender and Age. BioMed Research International, 2019, 2019, 1-10.	0.9	17
747	tmap: an integrative framework based on topological data analysis for population-scale microbiome stratification and association studies. Genome Biology, 2019, 20, 293.	3.8	20
748	Bacterial translocation in acute pancreatitis. Critical Reviews in Microbiology, 2019, 45, 539-547.	2.7	54
749	Microbiota composition of the dorsal patch of reproductive male Leptonycteris yerbabuenae. PLoS ONE, 2019, 14, e0226239.	1.1	13
750	The effect of surgical fecal stream diversion of the healthy colon on the colonic microbiota. European Journal of Gastroenterology and Hepatology, 2019, 31, 451-457.	0.8	7
751	The role of the changing human microbiome in the asthma pandemic. Journal of Allergy and Clinical Immunology, 2019, 144, 1457-1466.	1.5	34
752	Gene Transmission in the One Health Microbiosphere and the Channels of Antimicrobial Resistance. Frontiers in Microbiology, 2019, 10, 2892.	1.5	66
753	The role of intestinal bacteria in ammonia detoxification ability of teleost fish. Journal of Experimental Biology, 2019, 222, .	0.8	15

#	Article	IF	CITATIONS
754	Hostâ€derived population genomics data provides insights into bacterial and diatom composition of the killer whale skin. Molecular Ecology, 2019, 28, 484-502.	2.0	42
755	Impact of gut microbiota on gutâ€distal autoimmunity: a focus on T cells. Immunology, 2019, 156, 305-318.	2.0	38
756	Evidence of selective pressure in whale fall microbiome proteins and its potential application to industry. Marine Genomics, 2019, 45, 21-27.	0.4	8
757	Highly Specific Sewage-Derived <i>Bacteroides</i> Quantitative PCR Assays Target Sewage-Polluted Waters. Applied and Environmental Microbiology, 2019, 85, .	1.4	21
758	Ageâ€related changes in the gut microbiota of the Chinese giant salamander (<i>Andrias davidianus</i>). MicrobiologyOpen, 2019, 8, e778.	1.2	15
759	Effects of Attenuated S. agalactiae Strain YM001 on Intestinal Microbiota of Tilapia Are Recoverable. Frontiers in Microbiology, 2018, 9, 3251.	1.5	11
760	Metagenomic characterisation of ruminal bacterial diversity in buffaloes from birth to adulthood using 16S rRNA gene amplicon sequencing. Functional and Integrative Genomics, 2019, 19, 237-247.	1.4	19
761	Bacterial imbalance and gut pathologies: Association and contribution of <i>E. coli</i> in inflammatory bowel disease. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 1-17.	2.7	33
762	Structure and function of the bacterial and fungal gut microbiota of Neotropical butterflies. Ecological Monographs, 2019, 89, e01346.	2.4	56
763	Impact of <i>Phaeobacter inhibens</i> on marine eukaryoteâ€essociated microbial communities. Environmental Microbiology Reports, 2019, 11, 401-413.	1.0	28
764	The adherence and colonization of microorganisms in fish gastrointestinal tract. Reviews in Aquaculture, 2019, 11, 603-618.	4.6	101
765	Partial Evaluation of Autochthonous Probiotic Potential of the Gut Microbiota of Seriola lalandi. Probiotics and Antimicrobial Proteins, 2020, 12, 672-682.	1.9	12
766	Assessment of the groundwater quality of a highly populated district in Enugu State of Nigeria. Environment, Development and Sustainability, 2020, 22, 2743-2758.	2.7	2
767	The effects of artificial light at night on Eurasian tree sparrow (Passer montanus): Behavioral rhythm disruption, melatonin suppression and intestinal microbiota alterations. Ecological Indicators, 2020, 108, 105702.	2.6	28
768	A microbial sea of possibilities: current knowledge and prospects for an improved understanding of the fish microbiome. Reviews in Aquaculture, 2020, 12, 1101-1134.	4.6	117
769	Markers of microbial exposure lower the incidence of atopic dermatitis. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 104-115.	2.7	15
770	Coumarins: antifungal effectiveness and future therapeutic scope. Molecular Diversity, 2020, 24, 1367-1383.	2.1	41
771	Source of hemolymph microbiota and their roles in the immune system of mud crab. Developmental and Comparative Immunology, 2020, 102, 103470.	1.0	26

#	Article	IF	CITATIONS
772	Finding intestinal fortitude: Integrating the microbiome into a holistic view of depression mechanisms, treatment, and resilience. Neurobiology of Disease, 2020, 135, 104578.	2.1	38
773	Guided dietary fibre intake as a means of directing short-chain fatty acid production by the gut microbiota. Journal of the Royal Society of New Zealand, 2020, 50, 434-455.	1.0	21
774	Spatial and temporal axes impact ecology of the gut microbiome in juvenile European lobster (<i>Homarus gammarus</i>). ISME Journal, 2020, 14, 531-543.	4.4	35
775	Microbiomics., 2020, , 137-162.		4
776	Preventive antibiotic treatment of calves: emergence of dysbiosis causing propagation of obese stateâ€associated and mobile multidrug resistanceâ€carrying bacteria. Microbial Biotechnology, 2020, 13, 669-682.	2.0	18
777	Fish Gut Microbiome: A Primer to an Emerging Discipline in the Fisheries Sciences. Fisheries, 2020, 45, 271-282.	0.6	14
778	Antagonism between coral pathogen Vibrio corallilyticus and other bacteria in the gastric cavity of scleractinian coral Galaxea fascicularis. Science China Earth Sciences, 2020, 63, 157-166.	2.3	21
779	Analysis of the Microbiota in the Fecal Material of Painted Turtles (Chrysemys picta). Current Microbiology, 2020, 77, 11-14.	1.0	9
780	Pathogen versus microbiome causation in the holobiont. Biology and Philosophy, 2020, 35, 1.	0.7	1
781	Biotechnological utilization of animal gut microbiota for valorization of lignocellulosic biomass. Applied Microbiology and Biotechnology, 2020, 104, 489-508.	1.7	39
782	Variation in the Slimy Salamander (Plethodon spp.) Skin and Gut-Microbial Assemblages Is Explained by Geographic Distance and Host Affinity. Microbial Ecology, 2020, 79, 985-997.	1.4	10
783	More Arrows in the Ancient DNA Quiver: Use of Paleoepigenomes and Paleomicrobiomes to Investigate Animal Adaptation to Environment. Molecular Biology and Evolution, 2020, 37, 307-319.	3.5	13
784	Interactions between host and gut microbiota in domestic pigs: a review. Gut Microbes, 2020, 11, 310-334.	4.3	81
785	Diversity of gut microbiomes in marine fishes is shaped by hostâ€related factors. Molecular Ecology, 2020, 29, 5019-5034.	2.0	57
786	Bacterial community analysis on the different mucosal immune inductive sites of gastrointestinal tract in Bactrian camels. PLoS ONE, 2020, 15, e0239987.	1.1	3
787	Assessing the intestinal bacterial community of farmed Nile tilapia (Oreochromis niloticus) by high-throughput absolute abundance quantification. Aquaculture, 2020, 529, 735688.	1.7	16
788	Body-size Scaling is Related to Gut Microbial Diversity, Metabolism and Dietary Niche of Arboreal Folivorous Flying Squirrels. Scientific Reports, 2020, 10, 7809.	1.6	9
789	Interspecific comparison of the fecal microbiota structure in three Arctic migratory bird species. Ecology and Evolution, 2020, 10, 5582-5594.	0.8	15

#	Article	IF	Citations
790	Comparative Analysis of the Fecal Microbiota of Wild and Captive Beal's Eyed Turtle (Sacalia bealei) by 16S rRNA Gene Sequencing. Frontiers in Microbiology, 2020, 11, 570890.	1.5	12
791	Update of Probiotics in Human World: A Nonstop Source of Benefactions till the End of Time. Microorganisms, 2020, 8, 1907.	1.6	102
792	Extrinsic factors influencing gut microbes, the immediate consequences and restoring eubiosis. AMB Express, 2020, 10, 130.	1.4	64
793	FengLiao affects gut microbiota and the expression levels of Na+/H+ exchangers, aquaporins and acute phase proteinsÂin mice with castor oil-induced diarrhea. PLoS ONE, 2020, 15, e0236511.	1.1	5
794	The gut bacterial diversity of sheep associated with different breeds in Qinghai province. BMC Veterinary Research, 2020, 16, 254.	0.7	24
795	White spot syndrome virus (WSSV) disturbs the intestinal microbiota of shrimp (Penaeus vannamei) reared in biofloc and clear seawater. Applied Microbiology and Biotechnology, 2020, 104, 8007-8023.	1.7	14
796	The Russian Doll Model: How Bacteria Shape Successful and Sustainable Inter-Kingdom Relationships. Frontiers in Microbiology, 2020, 11, 573759.	1.5	9
797	Comparative analysis of gut microbiota diversity in endangered, economical, and common freshwater mussels using 16S rRNA gene sequencing. Ecology and Evolution, 2020, 10, 12015-12023.	0.8	4
798	Exploring the resident gut microbiota of stranded odontocetes: high similarities between two dolphin species Tursiops truncatus and Stenella coeruleoalba. Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 1181-1188.	0.4	1
799	Pathogen resistance may be the principal evolutionary advantage provided by the microbiome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190592.	1.8	62
800	Evolution of animal immunity in the light of beneficial symbioses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190601.	1.8	41
801	Microbial environment shapes immune function and cloacal microbiota dynamics in zebra finches Taeniopygia guttata. Animal Microbiome, 2020, 2, 21.	1.5	21
802	Tregâ€inducing capacity of genomic DNA of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> Allergy and Asthma Proceedings, 2020, 41, 372-385.	1.0	15
803	Macroecological laws describe variation and diversity in microbial communities. Nature Communications, 2020, 11, 4743.	5.8	84
804	Multi-omics Approaches To Decipher the Impact of Diet and Host Physiology on the Mammalian Gut Microbiome. Applied and Environmental Microbiology, 2020, 86, .	1.4	24
805	Therapeutic Potential of the Intestinal Microbiota for Immunomodulation of Food Allergies. Frontiers in Immunology, 2020, 11 , 1853 .	2.2	22
806	The Behavior of Amphibians Shapes Their Symbiotic Microbiomes. MSystems, 2020, 5, .	1.7	19
807	QTL Mapping of Intestinal Neutrophil Variation in Threespine Stickleback Reveals Possible Gene Targets Connecting Intestinal Inflammation and Systemic Health. G3: Genes, Genomes, Genetics, 2020, 10, 613-622.	0.8	5

#	ARTICLE	IF	CITATIONS
808	Maternal gut microbes shape the early-life assembly of gut microbiota in passerine chicks via nests. Microbiome, 2020, 8, 129.	4.9	40
809	Gut microbiome of endangered Tor putitora (Ham.) as a reservoir of antibiotic resistance genes and pathogens associated with fish health. BMC Microbiology, 2020, 20, 249.	1.3	10
810	Phenotypic Parallelism during Experimental Adaptation of a Free-Living Bacterium to the Zebrafish Gut. MBio, 2020, 11 , .	1.8	12
811	Mechanisms of Immunosuppression in Colorectal Cancer. Cancers, 2020, 12, 3850.	1.7	30
812	Foliar fungal endophyte community structure is independent of phylogenetic relatedness in an Asteraceae common garden. Ecology and Evolution, 2020, 10, 13895-13912.	0.8	10
813	Screening and selection of potential probiotic strains from the Mediterranean fruit fly (Ceratitis) Tj ETQq1 1 0.78 2020, 13, 776-791.	34314 rgB1 0.7	Overlock 1 5
814	Gut microbiota and the human gut physiological changes. Annals of Microbiology, 2020, 70, .	1.1	14
815	Gut microbiota, NLR proteins, and intestinal homeostasis. Journal of Experimental Medicine, 2020, 217, .	4.2	35
816	A New Benchmark to Determine What Healthy Western Skin Looks Like in Terms of Biodiversity Using Standardised Methodology. Cosmetics, 2020, 7, 79.	1.5	3
817	The Southern Bluefin Tuna Mucosal Microbiome Is Influenced by Husbandry Method, Net Pen Location, and Anti-parasite Treatment. Frontiers in Microbiology, 2020, 11, 2015.	1.5	12
818	Inflammatory bowel diseases, the hygiene hypothesis and the other side of the microbiota: Parasites and fungi. Pharmacological Research, 2020, 159, 104962.	3.1	15
819	Dietary inflammatory potential in relation to the gut microbiome: results from a cross-sectional study. British Journal of Nutrition, 2020, 124, 931-942.	1.2	61
820	FORENSIC: an Online Platform for Fecal Source Identification. MSystems, 2020, 5, .	1.7	12
821	The Gut Microbiota of the Egyptian Mongoose as an Early Warning Indicator of Ecosystem Health in Portugal. International Journal of Environmental Research and Public Health, 2020, 17, 3104.	1.2	3
822	Cooperation and Conflict Within the Microbiota and Their Effects On Animal Hosts. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	26
823	Grazing Management Influences Gut Microbial Diversity of Livestock in the Same Area. Sustainability, 2020, 12, 4160.	1.6	2
825	Temporal, Environmental, and Biological Drivers of the Mucosal Microbiome in a Wild Marine Fish, Scomber japonicus. MSphere, 2020, 5, .	1.3	49
826	Intestinal microbes: an axis of functional diversity among large marine consumers. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192367.	1.2	12

#	Article	IF	CITATIONS
827	Different Roles of Environmental Selection, Dispersal, and Drift in the Assembly of Intestinal Microbial Communities of Freshwater Fish With and Without a Stomach. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	10
828	Maize Bran Particle Size Governs the Community Composition and Metabolic Output of Human Gut Microbiota in in vitro Fermentations. Frontiers in Microbiology, 2020, 11, 1009.	1.5	15
829	Isolation and Comparative Genomic Analysis of Reuterin-Producing Lactobacillus reuteri From the Chicken Gastrointestinal Tract. Frontiers in Microbiology, 2020, 11, 1166.	1.5	18
830	The Effects of Temperature on Animal Gut Microbiomes. Frontiers in Microbiology, 2020, 11, 384.	1.5	150
831	Targeting Gut Microbiota Dysbiosis: Potential Intervention Strategies for Neurological Disorders. Engineering, 2020, 6, 415-423.	3.2	26
832	Factors that shape the host microbiome. , 2020, , 55-77.		5
833	Microbiota-Propelled T Helper 17 Cells in Inflammatory Diseases and Cancer. Microbiology and Molecular Biology Reviews, 2020, 84, .	2.9	37
834	Characterization of the Gut Microbiota of the Antarctic Heart Urchin (Spatangoida) Abatus agassizii. Frontiers in Microbiology, 2020, 11, 308.	1.5	22
835	The Changes in the Frog Gut Microbiome and Its Putative Oxygen-Related Phenotypes Accompanying the Development of Gastrointestinal Complexity and Dietary Shift. Frontiers in Microbiology, 2020, 11, 162.	1.5	24
836	Effects of temperature, diet and genotype-induced variations on the gut microbiota of abalone. Aquaculture, 2020, 524, 735269.	1.7	18
837	Metabolically cohesive microbial consortia and ecosystem functioning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190245.	1.8	37
838	Gut Microbial Protein Expression in Response to Dietary Patterns in a Controlled Feeding Study: A Metaproteomic Approach. Microorganisms, 2020, 8, 379.	1.6	10
839	Specific Eco-evolutionary Contexts in the Mouse Gut Reveal Escherichia coli Metabolic Versatility. Current Biology, 2020, 30, 1049-1062.e7.	1.8	60
840	Diet influences proliferation and stability of gut bacterial populations in herbivorous lepidopteran larvae. PLoS ONE, 2020, 15, e0229848.	1.1	46
841	Effects of a Diet Supplemented with Exogenous Catalase from Penicillium notatum on Intestinal Development and Microbiota in Weaned Piglets. Microorganisms, 2020, 8, 391.	1.6	14
842	Egyptian Mongoose (Herpestes ichneumon) Gut Microbiota: Taxonomical and Functional Differences across Sex and Age Classes. Microorganisms, 2020, 8, 392.	1.6	8
843	Crosstalk Between Culturomics and Microbial Profiling of Egyptian Mongoose (Herpestes ichneumon) Gut Microbiome. Microorganisms, 2020, 8, 808.	1.6	5
844	Environmental and host factors shaping the gut microbiota diversity of brown frog Rana dybowskii. Science of the Total Environment, 2020, 741, 140142.	3.9	25

#	Article	lF	Citations
845	Host-associated microbiomes are predicted by immune system complexity and climate. Genome Biology, 2020, 21, 23.	3.8	54
846	Influence of Diet and Nutrition on Prostate Cancer. International Journal of Molecular Sciences, 2020, 21, 1447.	1.8	99
847	Gut Microbiota as Important Mediator Between Diet and DNA Methylation and Histone Modifications in the Host. Nutrients, 2020, 12, 597.	1.7	30
848	Into the wild: microbiome transplant studies need broader ecological reality. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192834.	1.2	21
849	Lessons from bambooâ€eating pandas and their gut microbiome: Gut microbiome flow and applications. Evolutionary Applications, 2020, 13, 615-619.	1.5	8
850	Prebiotic-Induced Anti-tumor Immunity Attenuates Tumor Growth. Cell Reports, 2020, 30, 1753-1766.e6.	2.9	105
851	Tephritidae fruit fly gut microbiome diversity, function and potential for applications. Bulletin of Entomological Research, 2020, 110, 423-437.	0.5	45
852	The effects of carbohydrate structure on the composition and functionality of the human gut microbiota. Trends in Food Science and Technology, 2020, 97, 233-248.	7.8	75
853	Erythroid differentiation regulator-1 induced by microbiota in early life drives intestinal stem cell proliferation and regeneration. Nature Communications, 2020, 11, 513.	5.8	38
854	Effects of Dietary Non-Fibrous Carbohydrate (NFC) to Neutral Detergent Fiber (NDF) Ratio Change on Rumen Bacteria in Sheep Based on Three Generations of Full-Length Amplifiers Sequencing. Animals, 2020, 10, 192.	1.0	7
855	Using MicrobiomeAnalyst for comprehensive statistical, functional, and meta-analysis of microbiome data. Nature Protocols, 2020, 15, 799-821.	5 . 5	1,019
856	The effect of diet on the gastrointestinal microbiome of juvenile rehabilitating green turtles (Chelonia mydas). PLoS ONE, 2020, 15, e0227060.	1.1	34
857	Diet and Gut Microbes Act Coordinately to Enhance Programmed Cell Death and Reduce Colorectal Cancer Risk. Digestive Diseases and Sciences, 2020, 65, 840-851.	1.1	37
858	Effects of Bacillus subtilis supplementation in soybean meal-based diets on growth performance, diet digestibility and gut health in bullfrog Lithobates catesbeianus. Aquaculture Reports, 2020, 16, 100273.	0.7	5
859	Variation in gut bacterial composition is associated with Haemonchus contortus parasite infection of sheep. Animal Microbiome, 2020, 2, 3.	1.5	11
860	Reactive oxygen species and antimicrobial peptides are sequentially produced in silkworm midgut in response to bacterial infection. Developmental and Comparative Immunology, 2020, 110, 103720.	1.0	10
861	Ecological and Technical Mechanisms for Cross-Reaction of Human Fecal Indicators with Animal Hosts. Applied and Environmental Microbiology, 2020, 86, .	1.4	14
862	Structure of the Mucosal and Stool Microbiome in Lynch Syndrome. Cell Host and Microbe, 2020, 27, 585-600.e4.	5.1	40

#	Article	IF	CITATIONS
863	The Gene Catalog and Comparative Analysis of Gut Microbiome of Big Cats Provide New Insights on Panthera Species. Frontiers in Microbiology, 2020, 11, 1012.	1.5	9
864	Isotopic and genetic methods reveal the role of the gut microbiome in mammalian host essential amino acid metabolism. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192995.	1.2	32
865	Do seasonal microbiome changes affect infection susceptibility, contributing to seasonal disease outbreaks?. BioEssays, 2021, 43, 2000148.	1.2	7
866	Microbes and complex diseases: from experimental results to computational models. Briefings in Bioinformatics, 2021, 22, .	3.2	29
867	The mycobiome in murine intestine is more perturbed by food arsenic exposure than in excreted feces. Science of the Total Environment, 2021, 753, 141871.	3.9	4
868	Dietary Azomite, a natural trace mineral complex, improved the growth, immunity response, intestine health and resistance against bacterial infection in largemouth bass (Micropterus salmoides). Fish and Shellfish Immunology, 2021, 108, 53-62.	1.6	20
869	Gut microbiota is associated with protection against Marek's disease virus infection in chickens. Virology, 2021, 553, 122-130.	1.1	14
870	Putative Pathobionts in HLA-B27-Associated Spondyloarthropathy. Frontiers in Immunology, 2020, 11, 586494.	2.2	13
871	A repeatable and quantitative DNA metabarcoding assay to characterize mixed strongyle infections in horses. International Journal for Parasitology, 2021, 51, 183-192.	1.3	36
872	Bioaccumulation of trace elements affects chick body condition and gut microbiome in greater flamingos. Science of the Total Environment, 2021, 761, 143250.	3.9	20
873	Gut microbiomes of bigheaded carps and hybrids provide insights into invasion: A hologenome perspective. Evolutionary Applications, 2021, 14, 735-745.	1.5	16
874	Microbial diversity and structure in the gastrointestinal tracts of two stranded shortâ€finned pilot whales (⟨i⟩Globicephala macrorhynchus⟨ i⟩) and a pygmy sperm whale (⟨i⟩Kogia breviceps⟨ i⟩). Integrative Zoology, 2021, 16, 324-335.	1.3	16
875	The Horse Gut Microbiome Responds in a Highly Individualized Manner to Forage Lignification. Journal of Equine Veterinary Science, 2021, 96, 103306.	0.4	8
876	Seasonal dynamics of gut microbiota in a cohort of wild Tibetan macaques (Macaca thibetana) in western China. Global Ecology and Conservation, 2021, 25, e01409.	1.0	15
877	Interactions of Food With the Microbiota of the Digestive Tract. , 2022, , 1-11.		0
878	Transmission of Hologenomes Between Generations: Mothers Matter Most. The Microbiomes of Humans, Animals, Plants, and the Environment, 2021, , 161-194.	0.2	1
879	Symbiosis in a Rapidly Changing World. Advances in Environmental Microbiology, 2021, , 263-296.	0.1	1
880	Metasequencing of V3-V4 Variable Regions of 16S rRNA Gene in Opportunistic Microbiota and Gut Biocenosis in Obese Adolescents. Bulletin of Experimental Biology and Medicine, 2021, 170, 321-325.	0.3	8

#	Article	IF	Citations
881	Metagenomic analysis revealed a wide distribution of antibiotic resistance genes and biosynthesis of antibiotics in the gut of giant pandas. BMC Microbiology, 2021, 21, 15.	1.3	12
882	Is Intestinal Bacterial Diversity Enhanced by Trans-Species Spread in the Mixed-Species Flock of Hooded Crane (Grus monacha) and Bean Goose (Anser fabalis) Wintering in the Lower and Middle Yangtze River Floodplain?. Animals, 2021, 11, 233.	1.0	7
883	Human impact on symbioses between aquatic organisms and microbes. Aquatic Microbial Ecology, 2021, 87, 113-138.	0.9	14
884	Microbiome changes in aging. , 2021, , 367-389.		1
885	Microbiotaâ€gutâ€brain axis as a regulator of reward processes. Journal of Neurochemistry, 2021, 157, 1495-1524.	2.1	60
886	Diversity–Function Relationships and the Underlying Ecological Mechanisms in Host-Associated Microbial Communities. Advances in Environmental Microbiology, 2021, , 297-326.	0.1	1
887	Stomach and colonic microbiome of wild Japanese macaques. American Journal of Primatology, 2021, 83, e23242.	0.8	4
888	Exploring the Gut Microbiome Alteration of the European Hare (Lepus europaeus) after Short-Term Diet Modifications. Biology, 2021, 10, 148.	1.3	О
889	First Evidence of a Relationship Between Female Major Histocompatibility Complex Diversity and Eggshell Bacteria in House Sparrows (Passer domesticus). Frontiers in Ecology and Evolution, 2021, 9,	1.1	3
890	Social behavior of musk deer during the mating season potentially influences the diversity of their gut microbiome. PeerJ, 2021, 9, e10860.	0.9	3
891	Differences in the gut microbiomes of dogs and wolves: roles of antibiotics and starch. BMC Veterinary Research, 2021, 17, 112.	0.7	9
892	Environmental Temperatures Affect the Gastrointestinal Microbes of the Chinese Giant Salamander. Frontiers in Microbiology, 2021, 12, 543767.	1.5	23
893	Composition and potential functions of the dominant microbiota in deep-sea hagfish gut from the South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 169, 103488.	0.6	5
894	Habitat Elevation Shapes Microbial Community Composition and Alter the Metabolic Functions in Wild Sable (Martes zibellina) Guts. Animals, 2021, 11, 865.	1.0	9
895	Expanding ecological assessment by integrating microorganisms into routine freshwater biomonitoring. Water Research, 2021, 191, 116767.	5.3	104
896	The Origin of Niches and Species in the Bacterial World. Frontiers in Microbiology, 2021, 12, 657986.	1.5	56
897	Identification of Enterotype and Its Effects on Intestinal Butyrate Production in Pigs. Animals, 2021, 11, 730.	1.0	11
898	Influence of Phytogenic Feed Additives on The Health Status in The Gut and Disease Resistance of Cultured Fish. IOP Conference Series: Earth and Environmental Science, 2021, 695, 012024.	0.2	8

#	Article	IF	CITATIONS
899	The equine hindgut as a reservoir of mobile genetic elements and antimicrobial resistance genes. Critical Reviews in Microbiology, 2021, 47, 543-561.	2.7	8
900	Microbiome reduction and endosymbiont gain from a switch in sea urchin life history. Proceedings of the National Academy of Sciences of the United States of America, $2021,118,.$	3.3	20
901	Microbial-driven genetic variation in holobionts. FEMS Microbiology Reviews, 2021, 45, .	3.9	19
902	Polymer-Based Coatings with Integrated Antifouling and Bactericidal Properties for Targeted Biomedical Applications. ACS Applied Polymer Materials, 2021, 3, 2233-2263.	2.0	70
903	Free-Living, Psychrotrophic Bacteria of the Genus <i>Psychrobacter</i> Are Descendants of Pathobionts. MSystems, 2021, 6, .	1.7	23
904	Calf Diarrhea Caused by Prolonged Expansion of Autochthonous Gut Enterobacteriaceae and Their Lytic Bacteriophages. MSystems, 2021, 6, .	1.7	15
905	Gut Microbiota Influence Lipid Metabolism of Skeletal Muscle in Pigs. Frontiers in Nutrition, 2021, 8, 675445.	1.6	29
906	Ageâ€associated variation in the gut microbiota of chinstrap penguins (<i>Pygoscelis antarctica</i>) reveals differences in food metabolism. MicrobiologyOpen, 2021, 10, e1190.	1.2	5
907	Evolutionary Significance of the Neuroendocrine Stress Axis on Vertebrate Immunity and the Influence of the Microbiome on Early-Life Stress Regulation and Health Outcomes. Frontiers in Microbiology, 2021, 12, 634539.	1.5	15
908	A Review of Inflammatory Bowel Disease: A Model of Microbial, Immune and Neuropsychological Integration. Public Health Reviews, 2021, 42, 1603990.	1.3	43
909	Coadaptation between host genome and microbiome under long-term xenobiotic-induced selection. Science Advances, 2021, 7, .	4.7	14
910	The Unexplored Wealth of Microbial Secondary Metabolites: the Sphingobacteriaceae Case Study. Microbial Ecology, 2022, 83, 470-481.	1.4	12
911	Effects of a Bioprocessed Soybean Meal Ingredient on the Intestinal Microbiota of Hybrid Striped Bass, Morone chrysops x M. saxatilis. Microorganisms, 2021, 9, 1032.	1.6	8
912	Parasites, Drugs and Captivity: Blastocystis-Microbiome Associations in Captive Water Voles. Biology, 2021, 10, 457.	1.3	5
913	Covariation of the Fecal Microbiome with Diet in Nonpasserine Birds. MSphere, 2021, 6, .	1.3	22
914	How can the MHC mediate social odor via the microbiota community? A deep dive into mechanisms. Behavioral Ecology, 2021, 32, 359-373.	1.0	13
915	Seasonal Variation in Gut Microbiota Related to Diet in Fejervarya limnocharis. Animals, 2021, 11, 1393.	1.0	20
916	Microbial communities of wild-captured Kemp's ridley (Lepidochelys kempii) and green sea turtles (Chelonia mydas). Endangered Species Research, 2021, 45, 21-36.	1.2	7

#	Article	IF	CITATIONS
917	Microbiome Analysis Reveals the Dynamic Alternations in Gut Microbiota of Diarrheal Giraffa camelopardalis. Frontiers in Veterinary Science, 2021, 8, 649372.	0.9	7
918	The rumen microbiome: balancing food security and environmental impacts. Nature Reviews Microbiology, 2021, 19, 553-566.	13.6	143
919	Host's guardian protein counters degenerative symbiont evolution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
920	APBâ€13 improves the adverse outcomes caused by TGEV infection by correcting the intestinal microbial disorders in piglets. Journal of Animal Physiology and Animal Nutrition, 2022, 106, 69-77.	1.0	3
921	Improvement of Soil Microbial Diversity through Sustainable Agricultural Practices and Its Evaluation by -Omics Approaches: A Perspective for the Environment, Food Quality and Human Safety. Microorganisms, 2021, 9, 1400.	1.6	58
922	Potential Use of Gut Microbiota Composition as a Biomarker of Heat Stress in Monogastric Species: A Review. Animals, 2021, 11, 1833.	1.0	26
923	A Multiomic Approach to Investigate the Effects of a Weight Loss Program on the Intestinal Health of Overweight Horses. Frontiers in Veterinary Science, 2021, 8, 668120.	0.9	7
924	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
925	Host habitat is the major determinant of the gut microbiome of fish. Microbiome, 2021, 9, 166.	4.9	100
926	Patterns of the fecal microbiota in the Juan Fernández fur seal (<i>Arctocephalus philippii</i>). MicrobiologyOpen, 2021, 10, e1215.	1.2	11
927	Characterization of the gut microbiome in wild rocky mountainsnails (Oreohelix strigosa). Animal Microbiome, 2021, 3, 49.	1.5	5
928	The microbiome: A heritable contributor to bone morphology?. Seminars in Cell and Developmental Biology, 2022, 123, 82-87.	2.3	5
929	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
930	Effects of Host Species Identity and Diet on the Biodiversity of the Microbiota in Puerto Rican Bats. Current Microbiology, 2021, 78, 3526-3540.	1.0	2
931	Assessing age, breeding stage, and mating activity as drivers of variation in the reproductive microbiome of female tree swallows. Ecology and Evolution, 2021, 11, 11398-11413.	0.8	9
932	Restoration of dysbiotic human gut microbiome for homeostasis. Life Sciences, 2021, 278, 119622.	2.0	41
933	Microbiome analysis, the immune response and transplantation in the era of next generation sequencing. Human Immunology, 2021, 82, 883-901.	1.2	7
934	Taxonomy, not locality, influences the cloacal microbiota of two nearctic colubrids: a preliminary analysis. Molecular Biology Reports, 2021, 48, 6435-6442.	1.0	0

#	Article	IF	CITATIONS
935	Microbiome analysis reveals the significant changes in gut microbiota of diarrheic Baer's Pochards (Aythya baeri). Microbial Pathogenesis, 2021, 157, 105015.	1.3	10
936	Effects of active molecules of Korean pine seed on rodent health and implications for forest regeneration. Journal of Forestry Research, 2022, 33, 1045-1060.	1.7	2
937	Effect of High Sulfur Diet on Rumen Fermentation, Microflora, and Epithelial Barrier Function in Steers. Animals, 2021, 11, 2545.	1.0	7
938	Seasonal Changes in the Distinct Taxonomy and Function of the Gut Microbiota in the Wild Ground Squirrel (Spermophilus dauricus). Animals, 2021, 11, 2685.	1.0	8
939	Topical Probiotics Do Not Satisfy New Criteria for Effective Use Due to Insufficient Skin Microbiome Knowledge. Cosmetics, 2021, 8, 90.	1.5	5
940	Effects of Dietary Supplementation of Bovine Lactoferricin on Rumen Microbiota, Lactation, and Health in Dairy Goats. Frontiers in Nutrition, 2021, 8, 722303.	1.6	1
941	Host Bias in Diet-Source Microbiome Transmission in Wild Cohabitating Herbivores: New Knowledge for the Evolution of Herbivory and Plant Defense. Microbiology Spectrum, 2021, 9, e0075621.	1.2	11
942	Characterization of oral and cloacal microbial communities of wild and rehabilitated loggerhead sea turtles (Caretta caretta). Animal Microbiome, 2021, 3, 59.	1.5	11
943	Symbiotic microbial studies in diverse populations of <i>Aphis gossypii</i> , existing on altered host plants in different localities during different times. Ecology and Evolution, 2021, 11, 13948-13960.	0.8	5
945	How can fertilization regimes and durations shape earthworm gut microbiota in a long-term field experiment?. Ecotoxicology and Environmental Safety, 2021, 224, 112643.	2.9	9
946	Interactions Between Ticks and Lyme Disease Spirochetes. Current Issues in Molecular Biology, 2022, 42, 113-144.	1.0	16
947	Gut microbiota and the immune system and inflammation. , 2021, , 311-333.		0
948	Gut microbiota in mental health and depression: role of pre/pro/synbiotics in their modulation. Food and Function, 2021, 12, 4284-4314.	2.1	19
949	Healthy Intestinal Function Relies on Coordinated Enteric Nervous System, Immune System, and Epithelium Responses. Gut Microbes, 2021, 13, 1-14.	4.3	13
950	Fly-over phylogeny across invertebrate to vertebrate: The giant panda and insects share a highly similar gut microbiota. Computational and Structural Biotechnology Journal, 2021, 19, 4676-4683.	1.9	7
951	Comparison of microbial diversity in rumen and small intestine of Xinong Saanen dairy goats using 16S rRNA gene high-throughput sequencing. Animal Production Science, 2022, 62, 1379-1390.	0.6	5
954	Gut microbiomes of sympatric Amazonian woodâ€eating catfishes (Loricariidae) reflect host identity and little role in wood digestion. Ecology and Evolution, 2020, 10, 7117-7128.	0.8	13
955	Library-Independent Bacterial Source Tracking Methods. , 2011, , 61-112.		25

#	Article	IF	Citations
956	Freshwater Vertebrate Animal Metagenomics, Alligatorinae., 2013,, 1-12.		1
957	Evaluation of Bacterial Diversity in the Rumen and Feces of Cattle. , 2014, , 1-6.		1
958	Methanogens in the Gastro-Intestinal Tract of Animals. Microbiology Monographs, 2010, , 115-142.	0.3	10
959	Salivary Diagnostics and the Oral Microbiome. , 2015, , 83-119.		4
960	Bioprospecting Gastrointestinal Microflora of Common Fishes for Disease Control in Aquaculture. , 2017, , 161-182.		1
961	Faecalibacter macacae gen. nov., sp. nov., isolated from the faeces of Macaca assamensis. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 751-758.	0.8	10
962	Sequence-based analysis of the genus Ruminococcus resolves its phylogeny and reveals strong host association. Microbial Genomics, 2016, 2, e000099.	1.0	57
963	Genomic diversity of Escherichia coli isolates from non-human primates in the Gambia. Microbial Genomics, 2020, 6, .	1.0	12
973	The Fecal Environment, The Gut., 0,, 1-21.		5
974	Enteric Pathogens Exploit the Microbiota-generated Nutritional Environment of the Gut., 0,, 279-296.		4
975	Selection and Evaluation of Probiotics. , 2012, , 607-638.		2
976	Life in Earth: A Truly Epic Production. , 2014, , 414-429.		1
977	Host Biology in Light of the Microbiome: Ten Principles of Holobionts and Hologenomes. PLoS Biology, 2015, 13, e1002226.	2.6	868
978	Phylogenetic Evidence for Lateral Gene Transfer in the Intestine of Marine Iguanas. PLoS ONE, 2010, 5, e10785.	1.1	15
979	The Genome of Akkermansia muciniphila, a Dedicated Intestinal Mucin Degrader, and Its Use in Exploring Intestinal Metagenomes. PLoS ONE, 2011, 6, e16876.	1.1	328
980	Gut Microbiome of the Critically Endangered New Zealand Parrot, the Kakapo (Strigops habroptilus). PLoS ONE, 2012, 7, e35803.	1.1	75
981	A Metagenomic Approach to Characterization of the Vaginal Microbiome Signature in Pregnancy. PLoS ONE, 2012, 7, e36466.	1.1	572
982	Immunomodulatory Effects of Escherichia coli ATCC 25922 on Allergic Airway Inflammation in a Mouse Model. PLoS ONE, 2013, 8, e59174.	1.1	12

#	Article	IF	CITATIONS
983	Influence of Fasting during Moult on the Faecal Microbiota of Penguins. PLoS ONE, 2014, 9, e99996.	1.1	41
984	Rumen Bacterial Diversity of 80 to 110-Day-Old Goats Using 16S rRNA Sequencing. PLoS ONE, 2015, 10, e0117811.	1.1	98
985	Functional and Structural Succession of Soil Microbial Communities below Decomposing Human Cadavers. PLoS ONE, 2015, 10, e0130201.	1.1	139
986	Release of Periplasmic Nucleotidase Induced by Human Antimicrobial Peptide in E. coli Causes Accumulation of the Immunomodulator Adenosine. PLoS ONE, 2015, 10, e0138033.	1.1	2
987	Bacterial and Archaeal Diversity in the Gastrointestinal Tract of the North American Beaver (Castor) Tj ETQq0 0 0	rgBT /Ovei	oggk 10 Tf 50
988	Assessment of gut microbiota populations in lean and obese Zucker rats. PLoS ONE, 2017, 12, e0181451.	1.1	29
989	Microbiota of little penguins and short-tailed shearwaters during development. PLoS ONE, 2017, 12, e0183117.	1.1	23
990	The gut bacterial communities across six grasshopper species from a coastal tallgrass prairie. PLoS ONE, 2020, 15, e0228406.	1.1	19
991	Microbiota-immune interactions: from gut to brain. LymphoSign Journal, 2020, 7, 1-23.	0.1	24
992	Breast tissue, oral and urinary microbiomes in breast cancer. Oncotarget, 2017, 8, 88122-88138.	0.8	134
993	Microbiome Regulation of Autoimmune, Gut and Liver Associated Diseases. Inflammation and Allergy: Drug Targets, 2016, 14, 84-93.	1.8	12
994	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
995	GUT MICROBIOTA ALTERATIONS BY NUTRITIONAL SUPPLEMENT IMUREGEN. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2020, 89, 114-125.	0.2	2
996	Interaction of Salmonella spp. with the Intestinal Microbiota. Frontiers in Microbiology, 2011, 2, 101.	1.5	60
997	Genomic Characterization of a Novel Gut Symbiont From the Hadal Snailfish. Frontiers in Microbiology, 2019, 10, 2978.	1.5	29
998	Role of Commensal Microbes in the \hat{I}^3 -Ray Irradiation-Induced Physiological Changes in Drosophila melanogaster. Microorganisms, 2021, 9, 31.	1.6	3
999	Bacteria, food, and cancer. F1000 Biology Reports, 2011, 3, 12.	4.0	15
1000	Effect of different feeding methods on rumen microbes in growing Chinese Tan sheep. Revista Brasileira De Zootecnia, 2020, 49, .	0.3	8

#	Article	IF	CITATIONS
1001	The Microbiome in Psoriasis and Psoriatic Arthritis: Joints. Journal of Rheumatology, 2018, 94, 32-35.	1.0	18
1002	JTD special edition 'Hot Topics in COPD'-The microbiome in COPD. Journal of Thoracic Disease, 2014, 6, 1525-31.	0.6	18
1003	Le rÃ1e des traces dans le systÃ ^{··} me immunitaireÂ: des anticorps au corps. , 2017, , 255-294.		1
1004	Cross Talk Between Functional Foods and Gut Health. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 0, , 195-216.	0.1	1
1005	The Hologenome Concept of Evolution: Medical Implications. Rambam Maimonides Medical Journal, 2019, 10, e0005.	0.4	16
1006	Validating the use of non-invasively sourced DNA for population genetic studies using pedigree data. Web Ecology, 2017, 17, 9-18.	0.4	4
1007	Is there a link between aging and microbiome diversity in exceptional mammalian longevity?. PeerJ, 2018, 6, e4174.	0.9	28
1008	Intestinal microbiome and its potential functions in bighead carp (<i>Aristichthys nobilis</i>) under different feeding strategies. PeerJ, 2018, 6, e6000.	0.9	13
1009	The Koala (<i>Phascolarctos cinereus</i>) faecal microbiome differs with diet in a wild population. Peerl, 2019, 7, e6534.	0.9	46
1010	Captivity causes taxonomic and functional convergence of gut microbial communities in bats. PeerJ, 2019, 7, e6844.	0.9	21
1011	Early-life intestinal microbiome in <i>Trachemys scripta elegans</i> analyzed using 16S rRNA sequencing. PeerJ, 2020, 8, e8501.	0.9	15
1012	Microbiome Engineering and Its Applications: A Rapid Review. Applied Ecology and Environmental Sciences, 2021, 9, 865-872.	0.1	0
1013	Disentangling host–microbiota complexity through hologenomics. Nature Reviews Genetics, 2022, 23, 281-297.	7.7	44
1014	Gut Microbial Alterations in Diarrheal Baer's Pochards (Aythya baeri). Frontiers in Veterinary Science, 2021, 8, 756486.	0.9	5
1015	Association of Cesarean Delivery and Formula Supplementation with the Stool Metabolome of 6-Week-Old Infants. Metabolites, 2021, 11, 702.	1.3	5
1016	Ecology impacts the decrease of Spirochaetes and Prevotella in the fecal gut microbiota of urban humans. BMC Microbiology, 2021, 21, 276.	1.3	16
1017	Dietary jellyfish affect digestive enzyme activities and gut microbiota of Pampus argenteus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 40, 100923.	0.4	3
1018	Host Genetics and Gut Microbiota., 2012,, 281-295.		1

#	Article	IF	CITATIONS
1019	Toward the Educated Design of Bacterial Communities. , 2012, , 177-188.		0
1020	The Genetics of Inflammatory Bowel Disease. , 2012, , 3-16.		0
1021	Changes in Microbial Communities along a Water Column in an Amazonian Flooded Area. Aquatic Science and Technology, 2012, 1 , .	0.1	1
1022	Terrestrial Vertebrate Animal Metagenomics, Non-domesticated Ursidae, Bears., 2013, , 1-5.		0
1023	La (méta)génomique des microorganismes du rumen et ses applications à la production des ruminants. INRA Productions Animales, 2020, 26, 347-362.	0.3	0
1024	Microbiomes: A Possible Space Component?. Journal of Astrobiology & Outreach, 2015, 03, .	0.1	0
1025	Gut Microbiome in the Critically Ill. , 2015, , 169-184.		0
1027	Changes of the intestinal microbiota during chronic alcohol intake. Samarskij NauÄnyj Vestnik, 2017, 6, 64-67.	0.0	1
1029	Reducing Foodborne Pathogen Persistence and Transmission in Animal Production Environments: Challenges and Opportunities., 0,, 177-203.		1
1034	Cross Talk Between Functional Foods and Gut Health. , 2019, , 330-351.		0
1035	Hindgut Bacterial Flora Analysis in Oriental Honey Buzzard (Pernis ptilorhynchus). Zoological Science, 2019, 36, 77.	0.3	4
1041	Development of Mucosal Immunity: Functional Interactions with Mucosal Microbiome in Health and Disease. Current Immunology Reviews, 2019, 15, 154-165.	1.2	2
1044	Characterization of Peptacetobacter hominis gen. nov., sp. nov., isolated from human faeces, and proposal for the reclassification of Clostridium hiranonis within the genus Peptacetobacter. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2988-2997.	0.8	18
1047	Effects of supplementary feeding on the rumen morphology and bacterial diversity in lambs. PeerJ, 2020, 8, e9353.	0.9	16
1048	Genomic convergence between Akkermansia muciniphila in different mammalian hosts. BMC Microbiology, 2021, 21, 298.	1.3	10
1049	Evaluation the effect of subchronic feeding of transgenic cotton line (CKC1) on the faecal microbiota of albino rabbits. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 354-363.	1.0	4
1051	Microbiome therapies: Role of microbial biotechnology in sustainable development., 2020, , 163-172.		0
1052	Phenotype Heritability in Holobionts: An Evolutionary Model. Results and Problems in Cell Differentiation, 2020, 69, 199-223.	0.2	2

#	Article	IF	CITATIONS
1053	16S ribosomal RNA gene-based metagenomics: A review. Biomedical Research Journal, 2020, 7, 5.	0.4	5
1054	The importance of nutrition in the forming of intestinal microbiome. Journal International Academy of Refrigeration, 2020, 19, 52-59.	0.0	1
1058	Invasion and defense of the basic social unit in a nonhuman primate society leads to sexual differences in the gut microbiome. Integrative Zoology, 2022, 17, 168-180.	1.3	7
1061	The Jeremiah Metzger Lecture: Global warming redux: the disappearing microbiota and epidemic obesity. Transactions of the American Clinical and Climatological Association, 2012, 123, 230-8; discussion 239-41.	0.9	8
1062	Gut bacteria in health and disease. Gastroenterology and Hepatology, 2013, 9, 560-9.	0.2	120
1064	When human cells meet bacteria: precision medicine for cancers using the microbiota. American Journal of Cancer Research, 2018, 8, 1157-1175.	1.4	9
1065	Probiotics and prebiotics in the suppression of autoimmune diseases., 2022, , 161-186.		4
1066	Tibetan Medicine Qishiwei Zhenzhu Pills Can Reduce Cerebral Ischemia-Reperfusion Injury by Regulating Gut Microbiota and Inhibiting Inflammation. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	0.5	11
1068	Sampling the fish gill microbiome: a comparison of tissue biopsies and swabs. BMC Microbiology, 2021, 21, 313.	1.3	15
1069	Revealing the composition of the eukaryotic microbiome of oyster spat by CRISPR-Cas Selective Amplicon Sequencing (CCSAS). Microbiome, 2021, 9, 230.	4.9	6
1070	Innovative Treatments Enhancing the Functionality of Gut Microbiota to Improve Quality and Microbiological Safety of Foods of Animal Origin. Annual Review of Food Science and Technology, 2022, 13, 433-461.	5.1	3
1073	Physiological effects of food availability times in higher vertebrates. Journal of Experimental Biology, 2022, 225, .	0.8	3
1074	Mink (<i>Neovison vison</i>) fecal microbiomes are influenced by sex, temperature, and time postdefecation. Journal of Mammalogy, 2022, 103, 316-327.	0.6	4
1075	Do gastrointestinal microbiomes play a role in bats' unique viral hosting capacity?. Trends in Microbiology, 2022, 30, 632-642.	3.5	9
1076	Fish Skin Microbiomes Are Highly Variable Among Individuals and Populations but Not Within Individuals. Frontiers in Microbiology, 2021, 12, 767770.	1.5	12
1077	Art and Aesthetics in Sustainability Education Insights into Beautifying Management Education with FranÃSois Jullien. , 2022, Vol. XXVIII, 75-98.	0.5	0
1078	Functional convergence of Yunnan snub-nosed monkey and bamboo-eating panda gut microbiomes revealing the driving by dietary flexibility on mammal gut microbiome. Computational and Structural Biotechnology Journal, 2022, 20, 685-699.	1.9	13
1079	COVID-19 and gut dysbiosis, understanding the role of probiotic supplements in reversing gut dysbiosis and immunity. Nutrition Clinique Et Metabolisme, 2022, 36, 153-161.	0.2	3

#	Article	IF	CITATIONS
1080	A Practitioner's Dilemma Mass Spectrometryâ€Based Annotation and Identification of Human Plasma and Urinary Polyphenol Metabolites. Molecular Nutrition and Food Research, 2022, 66, e2100985.	1.5	6
1081	Comparative study on the weight loss and lipid metabolism by tea polyphenols in diet induced obese C57BL/6J pseudo germ free and conventionalized mice. Food Science and Human Wellness, 2022, 11, 697-710.	2.2	8
1082	The Role of Intestinal Microbiota in Regulating the Metabolism of Bile Acids Is Conserved Across Vertebrates. Frontiers in Microbiology, 2022, 13, 824611.	1.5	3
1083	Applications and Comparison of Dimensionality Reduction Methods for Microbiome Data. Frontiers in Bioinformatics, 2022, 2, .	1.0	10
1084	Novel canine high-quality metagenome-assembled genomes, prophages and host-associated plasmids provided by long-read metagenomics together with Hi-C proximity ligation. Microbial Genomics, 2022, 8, .	1.0	4
1085	Captivity and Animal Microbiomes: Potential Roles of Microbiota for Influencing Animal Conservation. Microbial Ecology, 2023, 85, 820-838.	1.4	36
1087	Captive Breeding and Trichomonas gallinae Alter the Oral Microbiome of Bonelli's Eagle Chicks. Microbial Ecology, 2023, 85, 1541-1551.	1.4	3
1088	High Environmental Temperature: Insights into Behavioural, Neurodevelopmental and Gut Microbiome Changes Following Gestational Exposure in Rats. Neuroscience, 2022, 488, 60-76.	1.1	0
1089	Spotted seals (Phoca largha) harbor unique gut microbiota shaped by their host habitat. Science of the Total Environment, 2022, 832, 155015.	3.9	7
1090	Recovered microbiome of an oviparous lizard differs across gut and reproductive tissues, cloacal swabs, and faeces. Molecular Ecology Resources, 2022, 22, 1693-1705.	2.2	10
1091	House fly larval grazing alters dairy cattle manure microbial communities. BMC Microbiology, 2021, 21, 346.	1.3	3
1092	Research progress on the regulation mechanism of probiotics on the microecological flora of infected intestines in livestock and poultry. Letters in Applied Microbiology, 2022, 74, 647-655.	1.0	4
1095	Application of fast expectation-maximization microbial source tracking to discern fecal contamination in rivers exposed to low fecal inputs. Journal of Microbiology, 2022, , 1.	1.3	3
1168	Negative binomial factor regression with application to microbiome data analysis. Statistics in Medicine, 2022, 41, 2786-2803.	0.8	5
1169	Reactive Oxygen Species in Modulating Intestinal Stem Cell Dynamics and Function. Stem Cell Reviews and Reports, 2022, 18, 2328-2350.	1.7	10
1171	Physico-Chemical and Metagenomic Profile Analyses of Animal Manures Routinely Used as Inocula in Anaerobic Digestion for Biogas Production. Microorganisms, 2022, 10, 671.	1.6	16
1172	Faecal Microbiota Divergence in Allopatric Populations of Podarcis lilfordi and P. pityusensis, Two Lizard Species Endemic to the Balearic Islands. Microbial Ecology, 2023, 85, 1564-1577.	1.4	9
1173	Research Progress of the Gut Microbiome in Hybrid Fish. Microorganisms, 2022, 10, 891.	1.6	17

#	Article	IF	CITATIONS
1174	Can Stomach Content and Microbiomes of Tuna Provide Near Real-Time Detection of Ecosystem Composition in the Pacific Ocean?. Frontiers in Marine Science, 2022, 9, .	1.2	0
1175	Disentangling compartment functions in sessile marine invertebrates. Trends in Ecology and Evolution, 2022, 37, 740-748.	4.2	13
1177	New challenges in the study of the evolution of wild animals and their gut microbiome. Ecology and Evolution, 2022, 12, e8904.	0.8	5
1178	Any Future for Faecal Microbiota Transplantation as a Novel Strategy for Gut Microbiota Modulation in Human and Veterinary Medicine?. Life, 2022, 12, 723.	1.1	5
1179	Oral antibiotics reduce voluntary exercise behavior in athletic mice. Behavioural Processes, 2022, 199, 104650.	0.5	4
1180	Phage delivered CRISPR-Cas system to combat multidrug-resistant pathogens in gut microbiome. Biomedicine and Pharmacotherapy, 2022, 151, 113122.	2.5	23
1181	Effects of Different Sources of Calcium in the Diet on Growth Performance, Blood Metabolic Parameters, and Intestinal Bacterial Community and Function of Weaned Piglets. Frontiers in Nutrition, 2022, 9, 885497.	1.6	4
1182			

#	Article	IF	CITATIONS
1196	Gut microbiota plasticity in insular lizards under reversed island syndrome. Scientific Reports, 2022, 12, .	1.6	7
1197	Antibiotic and antifungal use in pediatric leukemia and lymphoma patients are associated with increasing opportunistic pathogens and decreasing bacteria responsible for activities that enhance colonic defense. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	6
1199	The gut microbiome variability of a butterflyfish increases on severely degraded Caribbean reefs. Communications Biology, 2022, 5, .	2.0	12
1200	Comparative and functional analyses of fecal microbiome in Asian elephants. Antonie Van Leeuwenhoek, 2022, 115, 1187-1202.	0.7	5
1201	A thousand metagenome-assembled genomes of Akkermansia reveal phylogroups and geographical and functional variations in the human gut. Frontiers in Cellular and Infection Microbiology, $0,12,12$	1.8	6
1202	Digestive Tract Morphology and Gut Microbiota Jointly Determine an Efficient Digestive Strategy in Subterranean Rodents: Plateau Zokor. Animals, 2022, 12, 2155.	1.0	0
1203	Gut microbiome reflect adaptation of earthworms to cave and surface environments. Animal Microbiome, 2022, 4, .	1.5	3
1205	Gut microbiomes of cyprinid fish exhibit host-species symbiosis along gut trait and diet. Frontiers in Microbiology, 0, 13, .	1.5	3
1206	Host species and habitats shape the bacterial community of gut microbiota of three non-human primates: Siamangs, white-handed gibbons, and Bornean orangutans. Frontiers in Microbiology, $0,13,13$	1.5	1
1207	Attention-Deficit/Hyperactivity Disorder and the Gut Microbiota–Gut–Brain Axis: Closing Research Gaps through Female Inclusion in Study Design. Women, 2022, 2, 231-253.	0.5	2
1208	A strategic model of a host–microbe–microbe system reveals the importance of a joint host–microbe immune response to combat stress-induced gut dysbiosis. Frontiers in Microbiology, 0, 13, .	1.5	8
1209	nTiO2 alleviates the toxic effects of TCPP on mussels by adjusting respiratory metabolism and gut microbiota. Science of the Total Environment, 2022, 851, 158176.	3.9	7
1210	Multi stress system: Microplastics in freshwater and their effects on host microbiota. Science of the Total Environment, 2023, 856, 159106.	3.9	2
1211	Plant-Derived (Poly)phenols and Their Metabolic Outcomes: The Pursuit of a Role for the Gut Microbiota. Nutrients, 2022, 14, 3510.	1.7	8
1212	The Effect of Bacterial Composition Shifts in the Oral Microbiota on Alzheimer's Disease. Current Molecular Medicine, 2024, 24, 167-181.	0.6	4
1213	Impact of disturbance and dietary shift on gastrointestinal bacterial community and its invertebrate host system. Molecular Ecology, 2023, 32, 6631-6643.	2.0	3
1214	Multi-kingdom microbiota and functions changes associated with culture mode in genetically improved farmed tilapia (Oreochromis niloticus). Frontiers in Physiology, 0, 13, .	1.3	1
1216	Convergent structure with divergent adaptations in combinatorial microbiome communities. FEMS Microbiology Ecology, 2022, 98, .	1.3	0

#	Article	IF	CITATIONS
1218	Correlation and Influence of Seasonal Variation of Diet with Gut Microbiota Diversity and Metabolism Profile of Chipmunk. Animals, 2022, 12, 2586.	1.0	1
1221	Mucus-degrading Bacteroides link carbapenems to aggravated graft-versus-host disease. Cell, 2022, 185, 3705-3719.e14.	13.5	37
1223	Diet drives the gut microbiome composition and assembly processes in winter migratory birds in the Poyang Lake wetland, China. Frontiers in Microbiology, $0,13,.$	1.5	4
1224	Fish gut-associated bacterial communities in a tropical lagoon (Aghien lagoon, Ivory Coast). Frontiers in Microbiology, 0, 13, .	1.5	4
1225	Biofilm-based delivery approaches and specific enrichment strategies of probiotics in the human gut. Gut Microbes, 2022, 14, .	4.3	6
1226	Dietary supplementation with Cyberlindnera jadinii improved growth performance, serum biochemical Indices, antioxidant status, and intestinal health in growing raccoon dogs (Nyctereutes) Tj ETQq1 1 0.784314 rgl	BT1 /6 verlo	ck410 Tf 50
1227	Supplementation with paraformic acid in the diet improved intestinal development through modulating intestinal inflammation and microbiota in broiler chickens. Frontiers in Microbiology, 0, 13, .	1,5	7
1228	Mikrobiota esophagus, stomach and duodenal estate in normal and pathology. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2022, , 169-178.	0.1	0
1229	The cloacal microbiome of a cavity-nesting raptor, the lesser kestrel (<i>Falco naumanni</i>). PeerJ, 0, 10, e13927.	0.9	2
1230	Alleviation effects of niacin supplementation on beef cattle subjected to heat stress: A metagenomic insight. Frontiers in Microbiology, $0,13,.$	1.5	3
1232	The potential of tailoring the gut microbiome to prevent and treat cardiometabolic disease. Nature Reviews Cardiology, 2023, 20, 217-235.	6.1	31
1233	Shared and unique responses in the microbiome of allopatric lizards reared in a standardized environment. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2023, 339, 5-12.	0.9	1
1234	Dynamic changes of gut fungal community in horse at different health states. Frontiers in Veterinary Science, 0, 9, .	0.9	2
1235	Microbiome of fish. , 2023, , 15-33.		0
1237	Geographical patterns of Fejervarya limnocharis gut microbiota by latitude along mainland Chinaâ \in [™] s coastline. Frontiers in Microbiology, 0, 13, .	1.5	1
1238	Oil source regulates intestinal health of hybrid grouper (♀ Epinephelus fuscoguttatus × â™, E.) Tj ETQq1 1 C	1.784314 ı 1.7	rgBJT /Overlo
1239	Gut microbiota in alopecia areata. Postepy Dermatologii I Alergologii, 2022, 39, 1162-1170.	0.4	5
1240	Microâ€beeâ€ota: Honey Bee Normal Microbiota as a Part of Superorganism. Microorganisms, 2022, 10, 2359.	1.6	10

#	Article	IF	CITATIONS
1241	Geographical distance, host evolutionary history and diet drive gut microbiome diversity of fish across the Yellow River. Molecular Ecology, 2023, 32, 1183-1196.	2.0	6
1242	The Microbiome–Gut–Brain Axis and Dementia: A Bibliometric Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 16549.	1.2	5
1243	Gut microbiota of endangered Australian sea lion pups is unchanged by topical ivermectin treatment for endemic hookworm infection. Frontiers in Microbiology, $0,13,.$	1.5	0
1244	Construction and characterization of a genome-scale ordered mutant collection of Bacteroides thetaiotaomicron. BMC Biology, 2022, 20, .	1.7	8
1245	Biotherapeutic microbial supplementation for ameliorating fish health: developing trends in probiotics, prebiotics, and synbiotics use in finfish aquaculture. Animal Health Research Reviews, 2022, 23, 113-135.	1.4	6
1247	Edwardsiella ictaluri Almost Completely Occupies the Gut Microbiota of Fish Suffering from Enteric Septicemia of Catfish (Esc). Fishes, 2023, 8, 30.	0.7	4
1248	The gut microbiome and hypertension. Nature Reviews Nephrology, 2023, 19, 153-167.	4.1	46
1249	Different living environments drive deterministic microbial community assemblages in the gut of Alpine musk deer (Moschus chrysogaster). Frontiers in Microbiology, 0, 13, .	1.5	2
1250	Quantifying (non)parallelism of gut microbial community change using multivariate vector analysis. Ecology and Evolution, 2022, 12, .	0.8	2
1251	Antibiotic resistance: retrospect and prospect. , 2023, , 1-37.		O
1252	Ankylosing Spondylitis Pathogenesis and Pathophysiology., 0,,.		1
1253	Dietary spirulina supplementation modifies rumen development, fermentation and bacteria composition in Hu sheep when consuming high-fat dietary. Frontiers in Veterinary Science, 0, 10, .	0.9	0
1254	Fecal microbiota transplantation from Suncus murinus, an obesity-resistant animal, to C57BL/6NCrSIc mice, and the antibiotic effects in the approach. Frontiers in Microbiology, 0, 14, .	1.5	2
1255	Dietary supplementation with Lycium barbarum polysaccharides conducive to maintaining the health of Luciobarbus capito via the enhancement of enzyme activities and the modulation of gut microbiota. International Journal of Biological Macromolecules, 2023, 232, 123500.	3 . 6	7
1256	Comparison of Human gut Microbiota with other Animals. Research Journal of Pharmacy and Technology, 2022, , 5541-5547.	0.2	0
1257	Regulation of innate immune system function by the microbiome: Consequences for tumor immunity and cancer immunotherapy. Seminars in Immunology, 2023, 66, 101724.	2.7	4
1258	Bacterial composition along the digestive tract of the Horned Screamer (<i>Anhima cornuta</i>), a tropical herbivorous bird. Peerl, 0, 11, e14805.	0.9	1
1260	A network meta-analysis on comparison of invasive and non-invasive sampling methods to characterize intestinal microbiota of birds. Avian Research, 2023, 14, 100086.	0.5	2

#	Article	IF	CITATIONS
1261	Characteristics of Microbiota in Different Segments of the Digestive Tract of Lycodon rufozonatus. Animals, 2023, 13, 731.	1.0	1
1262	Beyond bacteria: Reconstructing microorganism connections and deciphering the predicted mutualisms in mammalian gut metagenomes. Ecology and Evolution, 2023, 13, .	0.8	1
1263	The First Next-Generation Sequencing Metabarcoding Dataset on Faecal Bacterial Diversity from the Southern River Terrapin, Batagur affinis ssp Malaysian Journal of Fundamental and Applied Sciences, 2023, 19, 1-5.	0.4	0
1264	Fine-scale spatial variation shape fecal microbiome diversity and composition in black-tailed prairie dogs (Cynomys ludovicianus). BMC Microbiology, 2023, 23, .	1.3	1
1266	Core species and interactions prominent in fish-associated microbiome dynamics. Microbiome, 2023, 11,	4.9	4
1267	Realising respiratory microbiomic meta-analyses: time for a standardised framework. Microbiome, 2023, 11 , .	4.9	5
1268	Microbial diversity and metabolic function in duodenum, jejunum and ileum of emu (Dromaius) Tj ETQq0 0 0 rgB1	Oyerlock	10 Tf 50 50
1269	A social niche breadth score reveals niche range strategies of generalists and specialists. Nature Ecology and Evolution, 2023, 7, 768-781.	3.4	15
1270	Impact of different dietary fibre sources on production performance, bacterial composition and metabolites in the caecal contents of rabbits. Journal of Animal Physiology and Animal Nutrition, 0, , .	1.0	0
1275	Microbiome therapeutics as an alternative to the antibiotics. , 2023, , 421-441.		0
1292	Forage Consumption and Digestion in the Modern Equids. Fascinating Life Sciences, 2023, , 143-170.	0.5	0
1322	Intestinal microbiome function., 2023,,.		0
1334	The Human Gut Microbiota: A Dynamic Biologic Factory. Advances in Biochemical Engineering/Biotechnology, 2023, , .	0.6	0
1339	Role of Bioactive Compounds Synthesized by Extremophilic Microbes and Their Bioactivity. Reference Series in Phytochemistry, 2024, , 1-24.	0.2	0
1341	Impact of evolution on lifestyle in microbiome. Advances in Genetics, 2024, , .	0.8	0