

Functional interactions between the gut microbiota and

Nature

489, 242-249

DOI: [10.1038/nature11552](https://doi.org/10.1038/nature11552)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Metabolomics in the Studies of Islet Autoimmunity and Type 1 Diabetes. Review of Diabetic Studies, 2012, 9, 236-247.	0.5	22
3	Microbial genomics: an increasingly revealing interface in human health and disease. Genome Medicine, 2013, 5, 31.	3.6	2
4	The Intestinal Microbiota in Chronic Liver Disease. Advances in Immunology, 2013, 117, 73-97.	1.1	48
5	Human intestinal metagenomics: state of the art and future. Current Opinion in Microbiology, 2013, 16, 232-239.	2.3	62
6	Functional food ingredients for the management of obesity and associated co-morbidities – A review. Journal of Functional Foods, 2013, 5, 997-1012.	1.6	135
7	Non-alcoholic steatohepatitis: a microbiota-driven disease. Trends in Endocrinology and Metabolism, 2013, 24, 537-545.	3.1	143
8	Holobiont nutrition. Gut Microbes, 2013, 4, 340-346.	4.3	34
9	Colorectal Carcinogenesis: A Cellular Response to Sustained Risk Environment. International Journal of Molecular Sciences, 2013, 14, 13525-13541.	1.8	32
10	Plasma Lipopolysaccharide Is Closely Associated With Glycemic Control and Abdominal Obesity. Diabetes Care, 2013, 36, 3627-3632.	4.3	156
11	From evolution to revolution: miRNAs as pharmacological targets for modulating cholesterol efflux and reverse cholesterol transport. Pharmacological Research, 2013, 75, 60-72.	3.1	40
12	Fusobacterium nucleatum Promotes Colorectal Carcinogenesis by Modulating E-Cadherin/ β -Catenin Signaling via its FadA Adhesin. Cell Host and Microbe, 2013, 14, 195-206.	5.1	1,699
13	The Gordian Knot of dysbiosis, obesity and NAFLD. Nature Reviews Gastroenterology and Hepatology, 2013, 10, 637-644.	8.2	134
14	From meta-omics to causality: experimental models for human microbiome research. Microbiome, 2013, 1, 14.	4.9	173
15	The Microbiome as a Therapeutic Target for Metabolic Diseases. Drug Development Research, 2013, 74, 376-384.	1.4	1
16	Nutritional Targets for Modulation of the Microbiota in Obesity. Drug Development Research, 2013, 74, 393-402.	1.4	2
17	Bridging immunity and lipid metabolism by gut microbiota. Journal of Allergy and Clinical Immunology, 2013, 132, 253-262.	1.5	61
18	Update on primary sclerosing cholangitis. Journal of Hepatology, 2013, 59, 571-582.	1.8	105
19	Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. Mechanisms of Ageing and Development, 2013, 134, 541-547.	2.2	32

#	ARTICLE	IF	CITATIONS
20	Metagenomic analysis of the pinewood nematode microbiome reveals a symbiotic relationship critical for xenobiotics degradation. <i>Scientific Reports</i> , 2013, 3, 1869.	1.6	121
21	The role of diet in triggering human inflammatory disorders in the modern age. <i>Microbes and Infection</i> , 2013, 15, 765-774.	1.0	35
22	Intérêt et technique de la transplantation fœcale. <i>Journal Des Anti-infectieux</i> , 2013, 15, 187-192.	0.1	0
23	Gut microbiota and non-alcoholic fatty liver disease: new insights. <i>Clinical Microbiology and Infection</i> , 2013, 19, 338-348.	2.8	196
24	Cometabolism of Microbes and Host: Implications for Drug Metabolism and Drug-Induced Toxicity. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 94, 574-581.	2.3	85
25	Bacterial cytological profiling rapidly identifies the cellular pathways targeted by antibacterial molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16169-16174.	3.3	272
26	Microbial Modulation of Energy Availability in the Colon Regulates Intestinal Transit. <i>Cell Host and Microbe</i> , 2013, 14, 582-590.	5.1	306
27	Role of the intestinal microbiome in liver disease. <i>Journal of Autoimmunity</i> , 2013, 46, 66-73.	3.0	172
28	Gut microbiota metabolism of l-carnitine and cardiovascular risk. <i>Atherosclerosis</i> , 2013, 231, 456-461.	0.4	152
29	The NLRP3 inflammasome is up-regulated in cardiac fibroblasts and mediates myocardial ischaemia-reperfusion injury. <i>Cardiovascular Research</i> , 2013, 99, 164-174.	1.8	400
30	The Hologenome Concept: Human, Animal and Plant Microbiota. , 2013, , .		58
31	Gut microbiota and obesity: lessons from the microbiome. <i>Briefings in Functional Genomics</i> , 2013, 12, 381-387.	1.3	104
32	Role of the gut microbiota in human nutrition and metabolism. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2013, 28, 9-17.	1.4	365
33	The aryl hydrocarbon receptor in innate T cell immunity. <i>Seminars in Immunopathology</i> , 2013, 35, 645-655.	2.8	26
34	Potential role of gastrointestinal microbiota composition in prostate cancer risk. <i>Infectious Agents and Cancer</i> , 2013, 8, 42.	1.2	41
35	Nutritional programming of insulin resistance: causes and consequences. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 525-535.	3.1	120
36	Intestinal Microbiota Composition in Adults. <i>World Review of Nutrition and Dietetics</i> , 2013, , 17-24.	0.1	3
37	What Is the Future for Therapies Derived from the Microbiome (Pharmabiotics)?. <i>World Review of Nutrition and Dietetics</i> , 2013, , 186-196.	0.1	0

#	ARTICLE	IF	CITATIONS
38	Therapeutic Potential of Fecal Microbiota Transplantation. <i>Gastroenterology</i> , 2013, 145, 946-953.	0.6	543
39	The modulatory role of high fat feeding on gastrointestinal signals in obesity. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1663-1677.	1.9	77
40	Emerging Aspects of Food and Nutrition on Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9559-9574.	2.4	40
41	Gut microbiota, enteroendocrine functions and metabolism. <i>Current Opinion in Pharmacology</i> , 2013, 13, 935-940.	1.7	300
42	Assessing the Human Gut Microbiota in Metabolic Diseases. <i>Diabetes</i> , 2013, 62, 3341-3349.	0.3	384
43	How Microbiomes Influence Metazoan Development: Insights from History and <i>Drosophila</i> Modeling of Gut-Microbe Interactions. <i>Annual Review of Cell and Developmental Biology</i> , 2013, 29, 571-592.	4.0	128
44	The Colon: An Overlooked Site for Therapeutics in Dialysis Patients. <i>Seminars in Dialysis</i> , 2013, 26, 323-332.	0.7	71
45	Ketone body metabolism and cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1060-H1076.	1.5	340
46	Evidence for Contributions of Gut Microbiota to Colorectal Carcinogenesis. <i>Current Nutrition Reports</i> , 2013, 2, 10-18.	2.1	9
47	Pleiotropic Actions of Insulin Resistance and Inflammation in Metabolic Homeostasis. <i>Science</i> , 2013, 339, 172-177.	6.0	541
48	Diet-Induced Alterations of Host Cholesterol Metabolism Are Likely To Affect the Gut Microbiota Composition in Hamsters. <i>Applied and Environmental Microbiology</i> , 2013, 79, 516-524.	1.4	180
49	Multiple NSAID-Induced Hits Injure the Small Intestine: Underlying Mechanisms and Novel Strategies. <i>Toxicological Sciences</i> , 2013, 131, 654-667.	1.4	110
50	Animals in a bacterial world, a new imperative for the life sciences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3229-3236.	3.3	2,181
51	Obese Humans With Nonalcoholic Fatty Liver Disease Display Alterations in Fecal Microbiota and Volatile Organic Compounds. <i>Clinical Gastroenterology and Hepatology</i> , 2013, 11, 876-878.	2.4	10
52	Resistant starch intake partly restores metabolic and inflammatory alterations in the liver of high-fat-diet-fed rats. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1920-1930.	1.9	43
53	Parental Dietary Fat Intake Alters Offspring Microbiome and Immunity. <i>Journal of Immunology</i> , 2013, 191, 3200-3209.	0.4	147
54	Microbiota associated with type 2 diabetes and its related complications. <i>Food Science and Human Wellness</i> , 2013, 2, 167-172.	2.2	83
55	Effect of barrier microbes on organ-based inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1465-1478.	1.5	56

#	ARTICLE	IF	CITATIONS
56	Food as a Hormone. <i>Science</i> , 2013, 339, 918-919.	6.0	44
57	Bridging the transgenerational gap with epigenetic memory. <i>Trends in Genetics</i> , 2013, 29, 176-186.	2.9	198
58	Progression of NAFLD to diabetes mellitus, cardiovascular disease or cirrhosis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2013, 10, 330-344.	8.2	1,381
59	Biosynthetic Assembly of the <i>Bacteroides fragilis</i> Capsular Polysaccharide A Precursor Bactoprenyl Diphosphate-Linked Acetamido-4-amino-6-deoxygalactopyranose. <i>Biochemistry</i> , 2013, 52, 1939-1949.	1.2	14
60	The gut microbiota "masters of host development and physiology. <i>Nature Reviews Microbiology</i> , 2013, 11, 227-238.	13.6	2,711
61	Enviromics. , 2013, , 29-41.		0
62	Regulation of intestinal homeostasis and immunity with probiotic lactobacilli. <i>Trends in Immunology</i> , 2013, 34, 208-215.	2.9	294
63	Gut microbiota and metabolic syndrome. <i>Internal and Emergency Medicine</i> , 2013, 8, 11-15.	1.0	66
64	Ulcerative colitis-induced hepatic damage in mice: Studies on inflammation, fibrosis, oxidative DNA damage and GST-P expression. <i>Chemico-Biological Interactions</i> , 2013, 201, 19-30.	1.7	37
65	Meat-metabolizing bacteria in atherosclerosis. <i>Nature Medicine</i> , 2013, 19, 533-534.	15.2	48
66	A gut-heart connection in cardiometabolic regulation. <i>Nature Medicine</i> , 2013, 19, 534-536.	15.2	27
68	Commensal bacteria at the interface of host metabolism and the immune system. <i>Nature Immunology</i> , 2013, 14, 676-684.	7.0	758
69	Metabolomics approaches for characterizing metabolic interactions between host and its commensal microbes. <i>Electrophoresis</i> , 2013, 34, 2787-2798.	1.3	53
70	Islet inflammation: a unifying target for diabetes treatment?. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 351-360.	3.1	104
71	Natural food science based novel approach toward prevention and treatment of obesity and type 2 diabetes: Recent studies on brown rice and ¹³ C-oryzanol. <i>Obesity Research and Clinical Practice</i> , 2013, 7, e165-e172.	0.8	71
72	Microbiota Keep the Intestinal Clock Ticking. <i>Cell</i> , 2013, 153, 741-743.	13.5	19
73	Young at Heart. <i>Cell</i> , 2013, 153, 743-745.	13.5	5
74	Does host cholesterol metabolism impact the gut microbiota and why does it matter?. <i>Future Microbiology</i> , 2013, 8, 571-573.	1.0	2

#	ARTICLE	IF	CITATIONS
75	Gut Microbiota, the Genome, and Diet in Atherogenesis. <i>New England Journal of Medicine</i> , 2013, 368, 1647-1649.	13.9	47
76	Bacterial Bioluminescence Regulates Expression of a Host Cryptochrome Gene in the Squid-Vibrio Symbiosis. <i>MBio</i> , 2013, 4, .	1.8	69
77	Using phage display selected antibodies to dissect microbiomes for complete de novo genome sequencing of low abundance microbes. <i>BMC Microbiology</i> , 2013, 13, 270.	1.3	13
78	Very Low Carbohydrate Diet Significantly Alters the Serum Metabolic Profiles in Obese Subjects. <i>Journal of Proteome Research</i> , 2013, 12, 5801-5811.	1.8	32
79	The intricate association between gut microbiota and development of Type 1, Type 2 and Type 3 diabetes. <i>Expert Review of Clinical Immunology</i> , 2013, 9, 1031-1041.	1.3	66
80	The Intestinal Microbiota Interferes with the microRNA Response upon Oral <i>Listeria</i> Infection. <i>MBio</i> , 2013, 4, e00707-13.	1.8	72
81	Potential applications of gut microbiota to control human physiology. <i>Antonie Van Leeuwenhoek</i> , 2013, 104, 609-618.	0.7	23
82	Gut Microbiome Perturbations Induced by Bacterial Infection Affect Arsenic Biotransformation. <i>Chemical Research in Toxicology</i> , 2013, 26, 1893-1903.	1.7	73
83	Microbial "Old Friends"™, immunoregulation and stress resilience. <i>Evolution, Medicine and Public Health</i> , 2013, 2013, 46-64.	1.1	167
84	Increasing Whole Grain Intake as Part of Prevention and Treatment of Nonalcoholic Fatty Liver Disease. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-13.	0.6	47
85	Alteration of the intestinal barrier and GLP2 secretion in Berberine-treated type 2 diabetic rats. <i>Journal of Endocrinology</i> , 2013, 218, 255-262.	1.2	48
86	Messages from the Inside. The Dynamic Environment that Favors Intestinal Homeostasis. <i>Frontiers in Immunology</i> , 2013, 4, 323.	2.2	35
87	Carbohydrates and the human gut microbiota. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 453-460.	1.3	145
88	Recent insights into <i>Clostridium difficile</i> pathogenesis. <i>Current Opinion in Infectious Diseases</i> , 2013, 26, 447-453.	1.3	48
89	Getting to the "guts"™ of the matter. <i>Current Opinion in Lipidology</i> , 2013, 24, 105-106.	1.2	3
90	Future for probiotic science in functional food and dietary supplement development. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 679-687.	1.3	75
91	Curcuma longa Extract Associated with White Pepper Lessens High Fat Diet-Induced Inflammation in Subcutaneous Adipose Tissue. <i>PLoS ONE</i> , 2013, 8, e81252.	1.1	44
92	GPR41/FFAR3 and GPR43/FFAR2 as Cosensors for Short-Chain Fatty Acids in Enteroendocrine Cells vs FFAR3 in Enteric Neurons and FFAR2 in Enteric Leukocytes. <i>Endocrinology</i> , 2013, 154, 3552-3564.	1.4	436

#	ARTICLE	IF	CITATIONS
94	Lack of Invariant Natural Killer T Cells Affects Lipid Metabolism in Adipose Tissue of Diet-Induced Obese Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1189-1196.	1.1	21
95	Exploring host-microbiota interactions in animal models and humans. <i>Genes and Development</i> , 2013, 27, 701-718.	2.7	413
96	Nickel and Human Health. <i>Metal Ions in Life Sciences</i> , 2013, 13, 321-357.	2.8	71
97	Butyrate production in engineered <i>Escherichia coli</i> with synthetic scaffolds. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2790-2794.	1.7	88
98	Age-related differences revealed in Australian fur seal <i>Arctocephalus pusillus doriferus</i> gut microbiota. <i>FEMS Microbiology Ecology</i> , 2013, 86, 246-255.	1.3	36
99	Segmented filamentous bacteria in human ileostomy samples after high-fiber intake. <i>FEMS Microbiology Letters</i> , 2013, 342, 24-29.	0.7	25
100	Role of the gut microbiota in health and chronic gastrointestinal disease: understanding a hidden metabolic organ. <i>Therapeutic Advances in Gastroenterology</i> , 2013, 6, 295-308.	1.4	642
101	Metagenome Survey of a Multispecies and Alga-Associated Biofilm Revealed Key Elements of Bacterial-Algal Interactions in Photobioreactors. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6196-6206.	1.4	111
102	Rattusin, an Intestinal \pm -Defensin-Related Peptide in Rats with a Unique Cysteine Spacing Pattern and Salt-Insensitive Antibacterial Activities. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1823-1831.	1.4	15
103	Conserved Regions in 16S Ribosome RNA Sequences and Primer Design for Studies of Environmental Microbes. , 2013, , 1-6.		1
104	Prebiotics for obesity: a small light on the horizon?. <i>Gut</i> , 2013, 62, 1096-1097.	6.1	5
106	In vitro fermentation of NUTRIOSE [®] soluble fibre in a continuous culture human colonic model system. <i>Proceedings of the Nutrition Society</i> , 2013, 72, .	0.4	0
107	The Gastrointestinal Microbiome and Musculoskeletal Diseases: A Beneficial Role for Probiotics and Prebiotics. <i>Pathogens</i> , 2013, 2, 606-626.	1.2	46
108	The Role of Gut Microbiota on Insulin Resistance. <i>Nutrients</i> , 2013, 5, 829-851.	1.7	184
111	Current Status and Future Promise of the Human Microbiome. <i>Pediatric Gastroenterology, Hepatology and Nutrition</i> , 2013, 16, 71.	0.4	74
113	Commensal Bacteria-Dependent Indole Production Enhances Epithelial Barrier Function in the Colon. <i>PLoS ONE</i> , 2013, 8, e80604.	1.1	268
114	The Approach to Sample Acquisition and Its Impact on the Derived Human Fecal Microbiome and VOC Metabolome. <i>PLoS ONE</i> , 2013, 8, e81163.	1.1	40
115	Health Benefits of Methylxanthines in Cacao and Chocolate. <i>Nutrients</i> , 2013, 5, 4159-4173.	1.7	155

#	ARTICLE	IF	CITATIONS
116	Neonatal Immune Adaptation of the Gut and Its Role during Infections. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-17.	3.3	70
117	Immune Vulnerability of Infants to Tuberculosis. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-16.	3.3	59
118	Functional metagenomic profiling of intestinal microbiome in extreme ageing. <i>Aging</i> , 2013, 5, 902-912.	1.4	263
119	Gut Microbiome and Brain-Gut Axis in Autism – Aberrant Development of Gut-Brain Communication and Reward Circuitry. , 2013, , .		1
120	Improved Metabolic Health Alters Host Metabolism in Parallel with Changes in Systemic Xeno-Metabolites of Gut Origin. <i>PLoS ONE</i> , 2014, 9, e84260.	1.1	39
121	Probiotics Protect Mice from Ovariectomy-Induced Cortical Bone Loss. <i>PLoS ONE</i> , 2014, 9, e92368.	1.1	250
122	Immunomodulatory Properties of Streptococcus and Veillonella Isolates from the Human Small Intestine Microbiota. <i>PLoS ONE</i> , 2014, 9, e114277.	1.1	118
123	Multi-omic landscape of rheumatoid arthritis: re-evaluation of drug adverse effects. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 59.	1.8	16
124	Supra-organismal interactions in the human intestine. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 47.	1.8	14
125	Live probiotic cultures and the gastrointestinal tract: symbiotic preservation of tolerance whilst attenuating pathogenicity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 143.	1.8	12
126	Gut Microbiota: The Next-Gen Frontier in Preventive and Therapeutic Medicine?. <i>Frontiers in Medicine</i> , 2014, 1, 15.	1.2	39
127	Colorectal carcinogenesis-update and perspectives. <i>World Journal of Gastroenterology</i> , 2014, 20, 18151.	1.4	138
128	GUT MICROBIOTA. <i>Juntendo Medical Journal</i> , 2014, 60, 25-34.	0.1	1
129	Comparison of Faecal Microbial Community of Lantang, Bama, Erhualian, Meishan, Xiaomeishan, Duroc, Landrace, and Yorkshire Sows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 898-906.	2.4	64
130	Free Radicals Generated by Post-Prandial Oxidative Burst in the Early Alterations of Vascular Contractility. <i>Clinical Immunology, Endocrine and Metabolic Drugs</i> , 2014, 1, 27-45.	0.3	4
131	Gut microorganisms and cardiovascular disease: carnitine is the answer. <i>Bratislava Medical Journal</i> , 2014, 115, 673-674.	0.4	3
132	Longitudinal analysis of inflammation and microbiota dynamics in a model of mild chronic dextran sulfate sodium-induced colitis in mice. <i>World Journal of Gastroenterology</i> , 2014, 20, 2051.	1.4	66
133	Nonalcoholic fatty liver disease and aging: Epidemiology to management. <i>World Journal of Gastroenterology</i> , 2014, 20, 14185.	1.4	227

#	ARTICLE	IF	CITATIONS
135	Vegetable microbiomes: is there a connection among opportunistic infections, human health and our 'gut feeling'?. <i>Microbial Biotechnology</i> , 2014, 7, 487-495.	2.0	75
136	<i>Saccharomyces boulardii</i> Administration Changes Gut Microbiota and Reduces Hepatic Steatosis, Low Grade Inflammation, and Fat Mass in Obese and Type 2 Diabetic Mice. <i>MBio</i> , 2014, 5, e01011-14.	1.8	217
137	Gut microbiome of the Hadza hunter-gatherers. <i>Nature Communications</i> , 2014, 5, 3654.	5.8	1,067
138	The influence of the human microbiome and probiotics on cardiovascular health. <i>Gut Microbes</i> , 2014, 5, 719-728.	4.3	140
139	Metabolic tinkering by the gut microbiome. <i>Gut Microbes</i> , 2014, 5, 369-380.	4.3	105
140	Replication of Obesity and Associated Signaling Pathways Through Transfer of Microbiota From Obese-Prone Rats. <i>Diabetes</i> , 2014, 63, 1624-1636.	0.3	171
142	Glycan Degradation (GlyDeR) Analysis Predicts Mammalian Gut Microbiota Abundance and Host Diet-Specific Adaptations. <i>MBio</i> , 2014, 5, .	1.8	35
143	Intestinal permeability " a new target for disease prevention and therapy. <i>BMC Gastroenterology</i> , 2014, 14, 189.	0.8	1,187
145	Maternal perspectives on the use of probiotics in infants: a cross-sectional survey. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 366.	3.7	18
146	House dust exposure mediates gut microbiome <i>Lactobacillus</i> enrichment and airway immune defense against allergens and virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 805-810.	3.3	374
147	Carnitine metabolism to trimethylamine by an unusual Rieske-type oxygenase from human microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4268-4273.	3.3	264
150	<i>Lactobacillus acidophilus</i> NCFM affects vitamin E acetate metabolism and intestinal bile acid signature in monocolonized mice. <i>Gut Microbes</i> , 2014, 5, 296-495.	4.3	19
151	In this issue of <i>Gut Microbes</i> . <i>Gut Microbes</i> , 2014, 5, 83-85.	4.3	0
152	Commensal-pathogen interactions in the intestinal tract. <i>Gut Microbes</i> , 2014, 5, 522-532.	4.3	252
154	The impact of antibiotics on growth in children in low and middle income countries: systematic review and meta-analysis of randomised controlled trials. <i>BMJ</i> , The, 2014, 348, g2267-g2267.	3.0	131
155	Arsenic Exposure Perturbs the Gut Microbiome and Its Metabolic Profile in Mice: An Integrated Metagenomics and Metabolomics Analysis. <i>Environmental Health Perspectives</i> , 2014, 122, 284-291.	2.8	435
156	Macrophages and Dendritic Cells Emerge in the Liver during Intestinal Inflammation and Predispose the Liver to Inflammation. <i>PLoS ONE</i> , 2014, 9, e84619.	1.1	18
157	Effect of Increasing Dietary Fiber on Plasma Levels of Colon-Derived Solutes in Hemodialysis Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 1603-1610.	2.2	235

#	ARTICLE	IF	CITATIONS
158	The Intestinal Microbiome in Early Life: Health and Disease. <i>Frontiers in Immunology</i> , 2014, 5, 427.	2.2	685
159	Susceptibility to <i>Campylobacter</i> Infection Is Associated with the Species Composition of the Human Fecal Microbiota. <i>MBio</i> , 2014, 5, e01212-14.	1.8	75
160	Metaphylogenomic and Potential Functionality of the Limpet <i>Patella pellucida</i> 's Gastrointestinal Tract Microbiome. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18819-18839.	1.8	14
161	The contributory role of gut microbiota in cardiovascular disease. <i>Journal of Clinical Investigation</i> , 2014, 124, 4204-4211.	3.9	519
162	Comparative Phylogenomics Uncovers the Impact of Symbiotic Associations on Host Genome Evolution. <i>PLoS Genetics</i> , 2014, 10, e1004487.	1.5	229
163	Receptors for short-chain fatty acids in brush cells at the gastric groove. <i>Frontiers in Physiology</i> , 2014, 5, 152.	1.3	26
164	The Endocannabinoid System – Back to the Scene of Cardiometabolic Risk Factors Control?. <i>Hormone and Metabolic Research</i> , 2014, 46, 529-536.	0.7	14
165	Systematic genomic analysis reveals the complementary aerobic and anaerobic respiration capacities of the human gut microbiota. <i>Frontiers in Microbiology</i> , 2014, 5, 674.	1.5	45
166	Antivirulence Activity of the Human Gut Metabolome. <i>MBio</i> , 2014, 5, e01183-14.	1.8	45
167	Microbial Exposure and Onset of Allergic Diseases - Potential Prevention Strategies?. <i>Allergology International</i> , 2014, 63, 3-10.	1.4	19
168	Old Dog, New Trick: A Direct Role for Leptin in Regulating Microbiota Composition. <i>Endocrinology</i> , 2014, 155, 653-655.	1.4	4
169	Fibre digestibility, abundance of faecal bacteria and plasma acetate concentrations in overweight adult mares. <i>Journal of Nutritional Science</i> , 2014, 3, e10.	0.7	17
170	Commensal microbiota stimulate systemic neutrophil migration through induction of Serum amyloid A. <i>Cellular Microbiology</i> , 2014, 16, 1053-1067.	1.1	91
171	Lipid antigens in immunity. <i>Biological Chemistry</i> , 2014, 395, 61-81.	1.2	31
172	Carrot Juice Fermented with <i>Lactobacillus plantarum</i> NCU116 Ameliorates Type 2 Diabetes in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11884-11891.	2.4	106
173	Understanding the Apothecaries Within: The Necessity of a Systematic Approach for Defining the Chemical Output of the Human Microbiome. <i>Clinical and Translational Science</i> , 2014, 7, 74-81.	1.5	12
174	A role for interleukin-22 in the alleviation of metabolic syndrome. <i>Nature Medicine</i> , 2014, 20, 1379-1381.	15.2	17
175	Increased intestinal permeability to oral chromium (⁵¹ Cr) EDTA in human Type 2 diabetes. <i>Diabetic Medicine</i> , 2014, 31, 559-563.	1.2	86

#	ARTICLE	IF	CITATIONS
176	MicroRNA-124 modulates social behavior in frontotemporal dementia. <i>Nature Medicine</i> , 2014, 20, 1381-1383.	15.2	8
177	Something old, something new and something very old: drugs for treating type 2 diabetes. <i>British Journal of Pharmacology</i> , 2014, 171, 2940-2950.	2.7	13
178	Gut microbiota, nutrient sensing and energy balance. <i>Diabetes, Obesity and Metabolism</i> , 2014, 16, 68-76.	2.2	83
179	mTORC2 acts in two environmentally responsive pathways with opposing effects on longevity. <i>Aging Cell</i> , 2014, 13, 869-878.	3.0	86
180	Diet and Feeding Pattern Affect the Diurnal Dynamics of the Gut Microbiome. <i>Cell Metabolism</i> , 2014, 20, 1006-1017.	7.2	655
181	Metabolome and fecal microbiota in monozygotic twin pairs discordant for weight: a Big Mac challenge. <i>FASEB Journal</i> , 2014, 28, 4169-4179.	0.2	30
182	Gut microbiota and cardiometabolic outcomes: influence of dietary patterns and their associated components. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 369S-377S.	2.2	61
183	Role of gut microbiota: Obesity and NAFLD. <i>Turkish Journal of Gastroenterology</i> , 2014, 25, 133-140.	0.4	56
184	Host Responses to the Pathogen <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> and Beneficial Microbes Exhibit Host Sex Specificity. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4481-4490.	1.4	25
185	Comparison of fecundity and offspring immunity in zebrafish fed <i>Lactobacillus rhamnosus</i> CICC 6141 and <i>Lactobacillus casei</i> BL23. <i>Reproduction</i> , 2014, 147, 53-64.	1.1	63
186	The effect of <i>Lactobacillus rhamnosus</i> hsrlyfm 1301 on the intestinal microbiota of a hyperlipidemic rat model. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 386.	3.7	67
187	A role for human brain pericytes in neuroinflammation. <i>Journal of Neuroinflammation</i> , 2014, 11, 104.	3.1	125
188	Is There a Paradox in Obesity?. <i>Cardiology in Review</i> , 2014, 22, 163-170.	0.6	85
189	Effect of diet on the intestinal microbiota and its activity. <i>Current Opinion in Gastroenterology</i> , 2014, 30, 189-195.	1.0	74
190	Biological significance of short-chain fatty acid metabolism by the intestinal microbiome. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014, 17, 139-144.	1.3	214
191	The Microbiome and Obesity—An Established Risk for Certain Types of Cancer. <i>Cancer Journal (Sudbury, Mass)</i> , 2014, 20, 176-180.	1.0	54
192	The microbiota and helminths: sharing the same niche in the human host. <i>Parasitology</i> , 2014, 141, 1255-1271.	0.7	88
193	Gut Dysbiosis and Detection of Live Gut Bacteria in Blood of Japanese Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2014, 37, 2343-2350.	4.3	377

#	ARTICLE	IF	CITATIONS
194	Obesity in organizational context. <i>Human Relations</i> , 2014, 67, 565-585.	3.8	34
195	Impact of the gut microbiota on the development of obesity and type 2 diabetes mellitus. <i>Frontiers in Microbiology</i> , 2014, 5, 190.	1.5	250
196	The mutual interplay of lipid metabolism and the cells of the immune system in relation to atherosclerosis. <i>Clinical Lipidology</i> , 2014, 9, 657-671.	0.4	38
197	Identifying Gut Microbe-Host Phenotype Relationships Using Combinatorial Communities in Gnotobiotic Mice. <i>Science Translational Medicine</i> , 2014, 6, 220ra11.	5.8	325
198	What Would You Like to Eat, Mr CKD Microbiota? A Mediterranean Diet, please!. <i>Kidney and Blood Pressure Research</i> , 2014, 39, 114-123.	0.9	77
199	Flavonoids Affect Host-Microbiota Crosstalk through TLR Modulation. <i>Antioxidants</i> , 2014, 3, 649-670.	2.2	39
200	Dysbiotic Events in Gut Microbiota: Impact on Human Health. <i>Nutrients</i> , 2014, 6, 5786-5805.	1.7	169
201	Mediterranean Diet and Health: Food Effects on Gut Microbiota and Disease Control. <i>International Journal of Molecular Sciences</i> , 2014, 15, 11678-11699.	1.8	162
202	Exploring the influence of the gut microbiota and probiotics on health: a symposium report. <i>British Journal of Nutrition</i> , 2014, 112, S1-S18.	1.2	81
203	The Gut Microbiota and Effects on Metabolism. , 2014, , 508-526.		4
205	Gut microbiota and bile acids: An old story revisited (again). <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2014, 38, 129-131.	0.7	8
206	Does the change on gastrointestinal tract microbiome affects host?. <i>Brazilian Journal of Infectious Diseases</i> , 2014, 18, 660-663.	0.3	4
207	Interspecies Systems Biology Uncovers Metabolites Affecting <i>C.Âlegans</i> Gene Expression and Life History Traits. <i>Cell</i> , 2014, 156, 759-770.	13.5	209
208	Gut microbiota controls adipose tissue expansion, gut barrier and glucose metabolism: novel insights into molecular targets and interventions using prebiotics. <i>Beneficial Microbes</i> , 2014, 5, 3-17.	1.0	241
209	Microbiome of prebiotic-treated mice reveals novel targets involved in host response during obesity. <i>ISME Journal</i> , 2014, 8, 2116-2130.	4.4	491
210	nâ~3 polyunsaturated fatty acids modulate metabolism of insulin-sensitive tissues: implication for the prevention of type 2 diabetes. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 647-658.	1.3	38
211	Phylogenetic analysis of faecal microbiota from captive cheetahs reveals underrepresentation of Bacteroidetes and Bifidobacteriaceae. <i>BMC Microbiology</i> , 2014, 14, 43.	1.3	64
212	The composition and stability of the vaginal microbiota of normal pregnant women is different from that of non-pregnant women. <i>Microbiome</i> , 2014, 2, 4.	4.9	607

#	ARTICLE	IF	CITATIONS
213	Microbial Enterotypes, Inferred by the Prevotella-to-Bacteroides Ratio, Remained Stable during a 6-Month Randomized Controlled Diet Intervention with the New Nordic Diet. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1142-1149.	1.4	142
214	Life at the beginning: perturbation of the microbiota by antibiotics in early life and its role in health and disease. <i>Nature Immunology</i> , 2014, 15, 307-310.	7.0	199
215	Microbiota in the stomach: New insights. <i>Journal of Digestive Diseases</i> , 2014, 15, 54-61.	0.7	50
216	Establishment of Intestinal Microbiota during Early Life: a Longitudinal, Explorative Study of a Large Cohort of Danish Infants. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2889-2900.	1.4	391
217	Reprint of: Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 94-100.	2.2	9
218	Diet and the Intestinal Microbiome: Associations, Functions, and Implications for Health and Disease. <i>Gastroenterology</i> , 2014, 146, 1564-1572.	0.6	486
219	Effects of short chain fatty acid producing bacteria on epigenetic regulation of FFAR3 in type 2 diabetes and obesity. <i>Gene</i> , 2014, 537, 85-92.	1.0	257
220	Microbiome-Derived Tryptophan Metabolites and Their Aryl Hydrocarbon Receptor-Dependent Agonist and Antagonist Activities. <i>Molecular Pharmacology</i> , 2014, 85, 777-788.	1.0	254
221	Probiotics, prebiotics and the gastrointestinal tract in health and disease. <i>Inflammopharmacology</i> , 2014, 22, 135-154.	1.9	49
222	The mycobiota: interactions between commensal fungi and the host immune system. <i>Nature Reviews Immunology</i> , 2014, 14, 405-416.	10.6	525
223	Lipopolysaccharide-Binding Protein Plasma Levels in Children: Effects of Obstructive Sleep Apnea and Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 656-663.	1.8	96
224	The Colon. <i>Toxicologic Pathology</i> , 2014, 42, 67-81.	0.9	30
225	Fecal Microbiota Transplantation in the Treatment of Clostridium difficile Infections. <i>American Journal of Medicine</i> , 2014, 127, 479-483.	0.6	68
226	Role of altered intestinal microbiota in systemic inflammation and cardiovascular disease in chronic kidney disease. <i>Future Microbiology</i> , 2014, 9, 399-410.	1.0	129
227	Gut microbiota in older subjects: variation, health consequences and dietary intervention prospects. <i>Proceedings of the Nutrition Society</i> , 2014, 73, 441-451.	0.4	33
228	Role of protein tyrosine phosphatases in the modulation of insulin signaling and their implication in the pathogenesis of obesity-linked insulin resistance. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 79-97.	2.6	69
229	The microbiome: stress, health and disease. <i>Mammalian Genome</i> , 2014, 25, 49-74.	1.0	361
230	Impact of oral vancomycin on gut microbiota, bile acid metabolism, and insulin sensitivity. <i>Journal of Hepatology</i> , 2014, 60, 824-831.	1.8	475

#	ARTICLE	IF	CITATIONS
231	Gut microbiota modulation and implications for host health: Dietary strategies to influence the gut-brain axis. <i>Innovative Food Science and Emerging Technologies</i> , 2014, 22, 239-247.	2.7	50
232	The gut microbiome as novel cardio-metabolic target: the time has come!. <i>European Heart Journal</i> , 2014, 35, 883-887.	1.0	67
233	Drosophila as a model for intestinal dysbiosis and chronic inflammatory diseases. <i>Developmental and Comparative Immunology</i> , 2014, 42, 102-110.	1.0	71
234	Systems biology for hepatologists. <i>Hepatology</i> , 2014, 60, 736-743.	3.6	15
235	Fasting: Molecular Mechanisms and Clinical Applications. <i>Cell Metabolism</i> , 2014, 19, 181-192.	7.2	1,001
236	Bacterial Lipopolysaccharide Binding Enhances Virion Stability and Promotes Environmental Fitness of an Enteric Virus. <i>Cell Host and Microbe</i> , 2014, 15, 36-46.	5.1	261
237	Maintenance of a healthy trajectory of the intestinal microbiome during aging: A dietary approach. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 70-75.	2.2	72
238	Inflammation versus Host Defense in Obesity. <i>Cell Metabolism</i> , 2014, 20, 708-709.	7.2	12
239	Interactions between prebiotics, probiotics, polyunsaturated fatty acids and polyphenols: diet or supplementation for metabolic syndrome prevention?. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 259-267.	1.3	40
240	Chronobiology and Obesity: Interactions between Circadian Rhythms and Energy Regulation. <i>Advances in Nutrition</i> , 2014, 5, 312S-319S.	2.9	59
241	Faecal microbiota transplantation—the Austrian approach. <i>Clinical Microbiology and Infection</i> , 2014, 20, 1106-1111.	2.8	18
242	Epigenomic regulation of host-microbiota interactions. <i>Trends in Immunology</i> , 2014, 35, 518-525.	2.9	60
243	Effect of butyrate on immune response of a chicken macrophage cell line. <i>Veterinary Immunology and Immunopathology</i> , 2014, 162, 24-32.	0.5	48
244	Gut microbiome composition and function in experimental colitis during active disease and treatment-induced remission. <i>ISME Journal</i> , 2014, 8, 1403-1417.	4.4	352
245	Native microbiome impedes vertical transmission of <i>Wolbachia</i> in <i>Anopheles</i> mosquitoes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12498-12503.	3.3	230
246	Effects of feeding different roughage components to sows in gestation on bacteriological and immunological parameters in colostrum and immune response of piglets. <i>Archives of Animal Nutrition</i> , 2014, 68, 29-41.	0.9	9
247	Yogurt consumption and impact on health: focus on children and cardiometabolic risk. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1243S-1247S.	2.2	56
248	Lack of Interleukin-10-Mediated Anti-Inflammatory Signals and Upregulated Interferon Gamma Production Are Linked to Increased Intestinal Epithelial Cell Apoptosis in Pathogenic Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2014, 88, 13015-13028.	1.5	32

#	ARTICLE	IF	CITATIONS
249	The Gut Microbiome, Kidney Disease, and Targeted Interventions. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 657-670.	3.0	553
250	Behavioral avoidance of pathogenic bacteria by <i>Caenorhabditis elegans</i> . <i>Trends in Immunology</i> , 2014, 35, 465-470.	2.9	123
251	Caspases and inflammasomes in metabolic inflammation. <i>Immunology and Cell Biology</i> , 2014, 92, 304-313.	1.0	48
252	Commensal microbial regulation of natural killer T cells at the frontiers of the mucosal immune system. <i>FEBS Letters</i> , 2014, 588, 4188-4194.	1.3	37
253	Neuropeptides and the Microbiota-Gut-Brain Axis. <i>Advances in Experimental Medicine and Biology</i> , 2014, 817, 195-219.	0.8	321
254	Microbial Modulation of Insulin Sensitivity. <i>Cell Metabolism</i> , 2014, 20, 753-760.	7.2	215
255	Interleukin-22 alleviates metabolic disorders and restores mucosal immunity in diabetes. <i>Nature</i> , 2014, 514, 237-241.	13.7	363
256	Molecular Bases and Role of Viruses in the Human Microbiome. <i>Journal of Molecular Biology</i> , 2014, 426, 3892-3906.	2.0	113
257	Minireview: Gut Microbiota: The Neglected Endocrine Organ. <i>Molecular Endocrinology</i> , 2014, 28, 1221-1238.	3.7	835
258	Intestinal and Systemic Inflammatory Responses Are Positively Associated with Sulfidogenic Bacteria Abundance in High-Fat Fed Male C57BL/6J Mice. <i>Journal of Nutrition</i> , 2014, 144, 1181-1187.	1.3	56
259	The development of probiotic treatment in obesity: a review. <i>Beneficial Microbes</i> , 2014, 5, 19-28.	1.0	62
260	Gut microbiota, the pharmabiotics they produce and host health. <i>Proceedings of the Nutrition Society</i> , 2014, 73, 477-489.	0.4	126
261	Plant prebiotics and human health: Biotechnology to breed prebiotic-rich nutritious food crops. <i>Electronic Journal of Biotechnology</i> , 2014, 17, 238-245.	1.2	60
262	Enzymatic hydrolysis-based absolute quantification of triacylglycerols in plant oil by use of a single marker. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4921-4929.	1.9	13
263	The role of diet on intestinal microbiota metabolism: downstream impacts on host immune function and health, and therapeutic implications. <i>Journal of Gastroenterology</i> , 2014, 49, 785-798.	2.3	180
264	Gut Health in the era of the Human Gut Microbiota: from metaphor to biovalue. <i>Medicine, Health Care and Philosophy</i> , 2014, 17, 579-597.	0.9	9
265	Functional Metabolic Map of <i>Faecalibacterium prausnitzii</i> , a Beneficial Human Gut Microbe. <i>Journal of Bacteriology</i> , 2014, 196, 3289-3302.	1.0	173
266	The mucus and mucins of the goblet cells and enterocytes provide the first defense line of the gastrointestinal tract and interact with the immune system. <i>Immunological Reviews</i> , 2014, 260, 8-20.	2.8	895

#	ARTICLE	IF	CITATIONS
267	Gastrointestinal hormones and the dialogue between gut and brain. <i>Journal of Physiology</i> , 2014, 592, 2927-2941.	1.3	143
268	Microbial Endocrinology: The Microbiota-Gut-Brain Axis in Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2014, , .	0.8	59
269	The intestinal microbiome of fish under starvation. <i>BMC Genomics</i> , 2014, 15, 266.	1.2	242
270	Genome-scale metabolic reconstructions of <i>Bifidobacterium adolescentis</i> L2-32 and <i>Faecalibacterium prausnitzii</i> A2-165 and their interaction. <i>BMC Systems Biology</i> , 2014, 8, 41.	3.0	88
271	The Microbiota, the Immune System and the Allograft. <i>American Journal of Transplantation</i> , 2014, 14, 1236-1248.	2.6	53
272	Functional genomics of <i>Lactobacillus casei</i> establishment in the gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3101-9.	3.3	42
273	Murein Lytic Enzyme TgaA of <i>Bifidobacterium bifidum</i> MIMBb75 Modulates Dendritic Cell Maturation through Its Cysteine- and Histidine-Dependent Amidohydrolase/Peptidase (CHAP) Amidase Domain. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5170-5177.	1.4	27
274	Worms, bacteria, and micronutrients: an elegant model of our diet. <i>Trends in Genetics</i> , 2014, 30, 496-503.	2.9	72
275	Influence of dietary fat on intestinal microbes, inflammation, barrier function and metabolic outcomes. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 270-280.	1.9	130
276	Evolving therapies for non-alcoholic steatohepatitis. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 687-696.	2.5	12
277	Microbiota and diabetes: an evolving relationship. <i>Gut</i> , 2014, 63, 1513-1521.	6.1	631
278	Angptl4 serves as an endogenous inhibitor of intestinal lipid digestion. <i>Molecular Metabolism</i> , 2014, 3, 135-144.	3.0	66
279	The gastrointestinal microbiota and multi-strain probiotic therapy: In children and adolescent obesity. <i>Advances in Integrative Medicine</i> , 2014, 1, 2-8.	0.4	4
280	New and emerging regulators of intestinal lipoprotein secretion. <i>Atherosclerosis</i> , 2014, 233, 608-615.	0.4	47
281	A Bacterial Homolog of a Eukaryotic Inositol Phosphate Signaling Enzyme Mediates Cross-kingdom Dialog in the Mammalian Gut. <i>Cell Reports</i> , 2014, 6, 646-656.	2.9	88
282	Obesity, Abdominal Obesity, Physical Activity, and Caloric Intake in US Adults: 1988 to 2010. <i>American Journal of Medicine</i> , 2014, 127, 717-727.e12.	0.6	234
283	Impact of Kamut® Khorasan on gut microbiota and metabolome in healthy volunteers. <i>Food Research International</i> , 2014, 63, 227-232.	2.9	38
284	Gut microbiota and GLP-1. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 189-196.	2.6	192

#	ARTICLE	IF	CITATIONS
285	Rapidly expanding knowledge on the role of the gut microbiome in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1981-1992.	1.8	141
286	The Cytosolic Bacterial Peptidoglycan Sensor Nod2 Affords Stem Cell Protection and Links Microbes to Gut Epithelial Regeneration. <i>Cell Host and Microbe</i> , 2014, 15, 792-798.	5.1	216
287	Metabolism of Human Diseases. , 2014, , .		4
288	Effect of bacteria used in food industry on the proliferation and cytokine production of epithelial intestinal cellular lines. <i>Journal of Functional Foods</i> , 2014, 6, 348-355.	1.6	11
289	Role of gut microbiota and Toll-like receptors in nonalcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2014, 20, 7381.	1.4	296
290	Novel Gut-Based Pharmacology of Metformin in Patients with Type 2 Diabetes Mellitus. <i>PLoS ONE</i> , 2014, 9, e100778.	1.1	218
291	Analysis of the Intestinal Lumen Microbiota in an Animal Model of Colorectal Cancer. <i>PLoS ONE</i> , 2014, 9, e90849.	1.1	163
292	Module-based functional pathway enrichment analysis of a protein-protein interaction network to study the effects of intestinal microbiota depletion in mice. <i>Molecular Medicine Reports</i> , 2014, 9, 2205-2212.	1.1	6
294	Intestinal Colonization by a <i>Lachnospiraceae</i> Bacterium Contributes to the Development of Diabetes in Obese Mice. <i>Microbes and Environments</i> , 2014, 29, 427-430.	0.7	322
295	Effect of Dietary Supplementation of (-)-Epigallocatechin Gallate on Gut Microbiota and Biomarkers of Colonic Fermentation in Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2014, 60, 213-219.	0.2	63
296	Lactic Acid Bacteria to Modulate Virulence Expression in Pathogenic Bacteria: An Alternative to Killing?. , 2014, , 60-88.		1
297	Could a Swimming Creature Inform Us on Intestinal Diseases? Lessons from Zebrafish. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 956-966.	0.9	33
298	Systems Biology Approaches for Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 2104-2114.	0.9	32
299	Scientific evidence for health effects attributed to the consumption of probiotics and prebiotics: an update for current perspectives and future challenges. <i>British Journal of Nutrition</i> , 2015, 114, 1993-2015.	1.2	150
300	Comparisons of blood biochemical parameters, digestive enzyme activities and volatile fatty acid profile between Meishan and Yorkshire piglets. <i>Animal Nutrition</i> , 2015, 1, 289-292.	2.1	2
301	A randomized controlled trial: the effect of inulin on weight management and ectopic fat in subjects with prediabetes. <i>Nutrition and Metabolism</i> , 2015, 12, 36.	1.3	53
302	Ovariectomy results in differential shifts in gut microbiota in low versus high aerobic capacity rats. <i>Physiological Reports</i> , 2015, 3, e12488.	0.7	64
303	Effect of the Gut Microbiota on Obesity and Its Underlying Mechanisms: an Update. <i>Biomedical and Environmental Sciences</i> , 2015, 28, 839-847.	0.2	8

#	ARTICLE	IF	CITATIONS
304	Correlations of Gut Microbial Community Shift with Hepatic Damage and Growth Inhibition of <i>Carassius auratus</i> Induced by Pentachlorophenol Exposure. <i>Environmental Science & Technology</i> , 2015, 49, 11894-11902.	4.6	107
305	Systems biology of host-microbe metabolomics. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2015, 7, 195-219.	6.6	80
306	Systematic review: microbial dysbiosis and nonalcoholic fatty liver disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2015, 42, 1051-1063.	1.9	167
308	Gut bacterial diversity of the tribes of India and comparison with the worldwide data. <i>Scientific Reports</i> , 2015, 5, 18563.	1.6	133
309	Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification. <i>Scientific Reports</i> , 2015, 5, 16498.	1.6	153
310	Microorganisms in Fermented Foods and Beverages. , 2015, , 16-125.		3
311	<i>Akkermansia muciniphila</i> inversely correlates with the onset of inflammation, altered adipose tissue metabolism and metabolic disorders during obesity in mice. <i>Scientific Reports</i> , 2015, 5, 16643.	1.6	663
312	Requirements for a Successful Future of Probiotics. , 2015, , 147-153.		1
313	Functional short-chain carbohydrates (prebiotics) in the diet to improve the microbiome and health of the gastrointestinal tract. <i>Animal Production Science</i> , 2015, 55, 1376.	0.6	3
314	Defective <i>NOD2</i> peptidoglycan sensing promotes diet-induced inflammation, dysbiosis, and insulin resistance. <i>EMBO Molecular Medicine</i> , 2015, 7, 259-274.	3.3	160
315	Comparative analyses of fecal microbiota in Tibetan and Chinese Han living at low or high altitude by barcoded 454 pyrosequencing. <i>Scientific Reports</i> , 2015, 5, 14682.	1.6	107
316	Gut microbe-derived extracellular vesicles induce insulin resistance, thereby impairing glucose metabolism in skeletal muscle. <i>Scientific Reports</i> , 2015, 5, 15878.	1.6	140
318	<i>Plasmodium berghei</i> ANKA causes intestinal malaria associated with dysbiosis. <i>Scientific Reports</i> , 2015, 5, 15699.	1.6	67
319	Cohort profile: LifeLines DEEP, a prospective, general population cohort study in the northern Netherlands: study design and baseline characteristics. <i>BMJ Open</i> , 2015, 5, e006772.	0.8	207
320	Indole – the scent of a healthy “inner soil”™. <i>Microbial Ecology in Health and Disease</i> , 2015, 26, 27997.	3.8	21
321	Long-term intake of animal flesh and risk of developing hypertension in three prospective cohort studies. <i>Journal of Hypertension</i> , 2015, 33, 2231-2238.	0.3	47
322	Gut microbiota and allogeneic transplantation. <i>Journal of Translational Medicine</i> , 2015, 13, 275.	1.8	71
323	Linear growth faltering in infants is associated with <i>Acidaminococcus</i> sp. and community-level changes in the gut microbiota. <i>Microbiome</i> , 2015, 3, 24.	4.9	120

#	ARTICLE	IF	CITATIONS
324	The role of breast-feeding in infant immune system: a systems perspective on the intestinal microbiome. <i>Microbiome</i> , 2015, 3, 41.	4.9	81
325	Variable responses of human and non-human primate gut microbiomes to a Western diet. <i>Microbiome</i> , 2015, 3, 53.	4.9	108
326	Optimizing protocols for extraction of bacteriophages prior to metagenomic analyses of phage communities in the human gut. <i>Microbiome</i> , 2015, 3, 64.	4.9	117
327	Efficacy of rifaximin on circulating endotoxins and cytokines in patients with nonalcoholic fatty liver disease. <i>European Journal of Gastroenterology and Hepatology</i> , 2015, 27, 840-845.	0.8	120
328	Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1942-1953.	1.5	64
329	A new era of secreted phospholipase A ₂ . <i>Journal of Lipid Research</i> , 2015, 56, 1248-1261.	2.0	99
330	The relationship between faecal-associated and mucosal-associated microbiota in irritable bowel syndrome patients and healthy subjects. <i>Alimentary Pharmacology and Therapeutics</i> , 2015, 42, 1211-1221.	1.9	117
331	CX3CR1 is a gatekeeper for intestinal barrier integrity in mice: Limiting steatohepatitis by maintaining intestinal homeostasis. <i>Hepatology</i> , 2015, 62, 1405-1416.	3.6	94
332	Gut Microbiota and Energy Expenditure in Health and Obesity. <i>Journal of Clinical Gastroenterology</i> , 2015, 49, S13-S19.	1.1	22
333	Colonic metaproteomic signatures of active bacteria and the host in obesity. <i>Proteomics</i> , 2015, 15, 3544-3552.	1.3	70
334	Maternal Microbiome and Pregnancy Outcomes That Impact Infant Health. <i>Advances in Neonatal Care</i> , 2015, 15, 377-385.	0.5	136
335	Influence of the human intestinal microbiome on obesity and metabolic dysfunction. <i>Current Opinion in Pediatrics</i> , 2015, 27, 496-501.	1.0	46
336	You Are What You Eat. <i>Transplantation</i> , 2015, 99, 1306-1307.	0.5	0
337	Gut Function-Enhancing Properties and Metabolic Effects of Dietary Indigestible Sugars in Rodents and Rabbits. <i>Nutrients</i> , 2015, 7, 8348-8365.	1.7	15
338	Persistent Organic Pollutants Modify Gut Microbiotaâ€™Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. <i>Environmental Health Perspectives</i> , 2015, 123, 679-688.	2.8	262
339	Regulation of intestinal inflammation through interaction of intestinal environmental factors and innate immune cells. <i>Inflammation and Regeneration</i> , 2015, 35, 028-041.	1.5	0
340	A Molecular Perspective of Microbial Pathogenicity. , 2015, , 1-10.e2.		6
341	Anaerobic Infections. , 2015, , 2736-2743.e1.		5

#	ARTICLE	IF	CITATIONS
342	Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. <i>Frontiers in Immunology</i> , 2015, 6, 512.	2.2	145
343	Does Whole Grain Consumption Alter Gut Microbiota and Satiety?. <i>Healthcare (Switzerland)</i> , 2015, 3, 364-392.	1.0	29
344	Does the Gut Microbiota Contribute to Obesity? Going beyond the Gut Feeling. <i>Microorganisms</i> , 2015, 3, 213-235.	1.6	38
345	The Gut Microbiota as a Therapeutic Target in IBD and Metabolic Disease: A Role for the Bile Acid Receptors FXR and TGR5. <i>Microorganisms</i> , 2015, 3, 641-666.	1.6	61
346	The Impact of Diet and Lifestyle on Gut Microbiota and Human Health. <i>Nutrients</i> , 2015, 7, 17-44.	1.7	1,108
347	The Gut Microbiota Reduces Colonization of the Mesenteric Lymph Nodes and IL-12-Independent IFN- γ Production During Salmonella Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 93.	1.8	15
348	Nutritional Keys for Intestinal Barrier Modulation. <i>Frontiers in Immunology</i> , 2015, 6, 612.	2.2	156
349	Disruption of gut homeostasis by opioids accelerates HIV disease progression. <i>Frontiers in Microbiology</i> , 2015, 6, 643.	1.5	43
350	Metabolomic insights into the intricate gut microbial-host interaction in the development of obesity and type 2 diabetes. <i>Frontiers in Microbiology</i> , 2015, 6, 1151.	1.5	108
351	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. <i>Frontiers in Microbiology</i> , 2015, 6, 1408.	1.5	106
352	Longitudinal omics modeling and integration in clinical metabonomics research: challenges in childhood metabolic health research. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 44.	1.6	18
353	Factors Determining Colorectal Cancer: The Role of the Intestinal Microbiota. <i>Frontiers in Oncology</i> , 2015, 5, 220.	1.3	71
354	Chronic <i>Trichuris muris</i> Infection Decreases Diversity of the Intestinal Microbiota and Concomitantly Increases the Abundance of Lactobacilli. <i>PLoS ONE</i> , 2015, 10, e0125495.	1.1	190
355	Exercise Is More Effective at Altering Gut Microbial Composition and Producing Stable Changes in Lean Mass in Juvenile versus Adult Male F344 Rats. <i>PLoS ONE</i> , 2015, 10, e0125889.	1.1	150
356	Evaluation of soluble corn fiber on chemical composition and nitrogen-corrected true metabolizable energy and its effects on in vitro fermentation and in vivo responses in dogs. <i>Journal of Animal Science</i> , 2015, 93, 2191-2200.	0.2	9
357	Perilipin-2 Modulates Lipid Absorption and Microbiome Responses in the Mouse Intestine. <i>PLoS ONE</i> , 2015, 10, e0131944.	1.1	43
358	Effects of Host Phylogeny and Habitats on Gut Microbiomes of Oriental River Prawn (<i>Macrobrachium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tt	1.1	56
359	<i>Lactobacillus casei</i> Shirota Supplementation Does Not Restore Gut Microbiota Composition and Gut Barrier in Metabolic Syndrome: A Randomized Pilot Study. <i>PLoS ONE</i> , 2015, 10, e0141399.	1.1	45

#	ARTICLE	IF	CITATIONS
360	Does Long-Term High Fat Diet Always Lead to Smaller Hippocampi Volumes, Metabolite Concentrations, and Worse Learning and Memory? A Magnetic Resonance and Behavioral Study in Wistar Rats. PLoS ONE, 2015, 10, e0139987.	1.1	16
361	Obesity-Driven Gut Microbiota Inflammatory Pathways to Metabolic Syndrome. Frontiers in Physiology, 2015, 6, 341.	1.3	31
362	Effect of <i>Lactobacillus plantarum</i> Strain K21 on High-Fat Diet-Fed Obese Mice. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	54
363	Impact of a Complex Food Microbiota on Energy Metabolism in the Model Organism <i>Caenorhabditis elegans</i> . BioMed Research International, 2015, 2015, 1-12.	0.9	37
364	Challenges of the Unknown: Clinical Application of Microbial Metagenomics. International Journal of Genomics, 2015, 2015, 1-10.	0.8	15
365	Effects of Surgical and Dietary Weight Loss Therapy for Obesity on Gut Microbiota Composition and Nutrient Absorption. BioMed Research International, 2015, 2015, 1-12.	0.9	252
366	New insights into the impact of <i>Lactobacillus</i> population on host-bacteria metabolic interplay. Oncotarget, 2015, 6, 30545-30556.	0.8	45
367	Pathological and therapeutic interactions between bacteriophages, microbes and the host in inflammatory bowel disease. World Journal of Gastroenterology, 2015, 21, 11321.	1.4	33
369	Plaque burden in HIV-infected patients is associated with serum intestinal microbiota-generated trimethylamine. Aids, 2015, 29, 443-452.	1.0	60
370	Application of metagenomics in the human gut microbiome. World Journal of Gastroenterology, 2015, 21, 803.	1.4	292
371	Intestinal Microbiota Composition Modulates Choline Bioavailability from Diet and Accumulation of the Proatherogenic Metabolite Trimethylamine- <i>N</i> -Oxide. MBio, 2015, 6, e02481.	1.8	535
372	Probiotics for weight loss: a systematic review and meta-analysis. Nutrition Research, 2015, 35, 566-575.	1.3	125
373	A breakthrough in probiotics: <i>Clostridium butyricum</i> regulates gut homeostasis and anti-inflammatory response in inflammatory bowel disease. Journal of Gastroenterology, 2015, 50, 928-939.	2.3	111
374	Study of the diversity and short-chain fatty acids production by the bacterial community in overweight and obese Mexican children. European Journal of Clinical Microbiology and Infectious Diseases, 2015, 34, 1337-1346.	1.3	114
375	Gnotobiology and the Study of Complex Interactions between the Intestinal Microbiota, Probiotics, and the Host. , 2015, , 109-133.		6
376	Microbiota and Host Nutrition across Plant and Animal Kingdoms. Cell Host and Microbe, 2015, 17, 603-616.	5.1	628
377	Modulation of the faecal microbiome of healthy adult dogs by inclusion of potato fibre in the diet. British Journal of Nutrition, 2015, 113, 125-133.	1.2	99
378	Dietary <i>trans</i> -10, <i>cis</i> -12-conjugated linoleic acid alters fatty acid metabolism and microbiota composition in mice. British Journal of Nutrition, 2015, 113, 728-738.	1.2	89

#	ARTICLE	IF	CITATIONS
379	The effect of past antibiotic exposure on diabetes risk. <i>European Journal of Endocrinology</i> , 2015, 172, 639-648.	1.9	131
380	Biliary Mucosal Barrier and Microbiome. <i>Visceral Medicine</i> , 2015, 31, 156-161.	0.5	53
381	Control of intestinal homeostasis through crosstalk between natural killer T cells and the intestinal microbiota. <i>Clinical Immunology</i> , 2015, 159, 128-133.	1.4	47
382	Acromyrmex Leaf-Cutting Ants Have Simple Gut Microbiota with Nitrogen-Fixing Potential. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5527-5537.	1.4	91
383	New insight into the gut microbiome through metagenomics. <i>Advances in Genomics and Genetics</i> , 0, , 77.	0.8	10
384	Advances in grain sorghum and its co-products as a human health promoting dietary system. <i>Food Research International</i> , 2015, 77, 349-359.	2.9	70
385	Long-term risk of cardiovascular and cerebrovascular disease after removal of the colonic microbiota by colectomy: a cohort study based on the Danish National Patient Register from 1996 to 2014. <i>BMJ Open</i> , 2015, 5, e008702.	0.8	10
386	Microbiota depletion promotes browning of white adipose tissue and reduces obesity. <i>Nature Medicine</i> , 2015, 21, 1497-1501.	15.2	324
387	Uncovering microbial duality within human microbiomes: A novel algorithm for the analysis of host-pathogen interactions. , 2015, 2015, 3254-7.		0
388	CD11b regulates obesity-induced insulin resistance via limiting alternative activation and proliferation of adipose tissue macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7239-48.	3.3	73
389	The Role of Integrated Omics in Elucidating the Gut Microbiota Health Potentials. <i>Microbiology Monographs</i> , 2015, , 73-100.	0.3	2
390	Innate immune responses to gut microbiota differ between threespine stickleback populations. <i>DMM Disease Models and Mechanisms</i> , 2015, 9, 187-98.	1.2	58
391	Metabolic Mechanisms in Obesity and Type 2 Diabetes: Insights from Bariatric/Metabolic Surgery. <i>Obesity Facts</i> , 2015, 8, 350-363.	1.6	53
392	Tracking heavy water (D ₂ O) incorporation for identifying and sorting active microbial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E194-203.	3.3	359
393	Significance of Inulin Fructans in the Human Diet. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2015, 14, 37-47.	5.9	108
394	Alteration of the Intestinal Environment by Lubiprostone Is Associated with Amelioration of Adenine-Induced CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1787-1794.	3.0	162
395	Modulation alimentaire du microbiote intestinal humain et esth�tisque nutritionnelle. �thique & Sant�, 2015, 12, 103-109.	0.1	0
396	Ancient human microbiomes. <i>Journal of Human Evolution</i> , 2015, 79, 125-136.	1.3	123

#	ARTICLE	IF	CITATIONS
397	Colonization of the upper genital tract by vaginal bacterial species in nonpregnant women. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 611.e1-611.e9.	0.7	259
398	Mucosal Immunosenescence in the Gastrointestinal Tract: A Mini-Review. <i>Gerontology</i> , 2015, 61, 336-342.	1.4	46
399	New Aspects on the Metabolic role of Intestinal Microbiota in the Development of Atherosclerosis. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 476-481.	1.5	53
400	Distinct gut microbiota of healthy children from two different geographic regions of Thailand. <i>Archives of Microbiology</i> , 2015, 197, 561-573.	1.0	56
401	Shifts in microbiota species and fermentation products in a dietary model enriched in fat and sucrose. <i>Beneficial Microbes</i> , 2015, 6, 97-111.	1.0	28
402	Intestinal Alkaline Phosphatase Deficiency Leads to Lipopolysaccharide Desensitization and Faster Weight Gain. <i>Infection and Immunity</i> , 2015, 83, 247-258.	1.0	19
403	Diet and colorectal cancer. <i>Maturitas</i> , 2015, 80, 258-264.	1.0	169
404	Metagenomic and Metabolomic Analysis of the Toxic Effects of Trichloroacetamide-Induced Gut Microbiome and Urine Metabolome Perturbations in Mice. <i>Journal of Proteome Research</i> , 2015, 14, 1752-1761.	1.8	70
405	Engineered In Vitro Disease Models. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015, 10, 195-262.	9.6	442
406	Modulation of the Intestinal Microbiota Is Associated with Lower Plasma Cholesterol and Weight Gain in Hamsters Fed Chardonnay Grape Seed Flour. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1460-1467.	2.4	46
407	Bacterial Uracil Modulates <i>Drosophila</i> DUOX-Dependent Gut Immunity via Hedgehog-Induced Signaling Endosomes. <i>Cell Host and Microbe</i> , 2015, 17, 191-204.	5.1	105
408	The intestinal microbiota composition and weight development in children: the KOALA Birth Cohort Study. <i>International Journal of Obesity</i> , 2015, 39, 16-25.	1.6	117
409	Metabonomics and Gut Microbiota in Nutrition and Disease. <i>Molecular and Integrative Toxicology</i> , 2015, , .	0.5	5
410	The chemistry of negotiation: Rhythmic, glycan-driven acidification in a symbiotic conversation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 566-571.	3.3	83
411	Food, Immunity, and the Microbiome. <i>Gastroenterology</i> , 2015, 148, 1107-1119.	0.6	278
412	Divergence across diet, time and populations rules out parallel evolution in the gut microbiomes of Trinidadian guppies. <i>ISME Journal</i> , 2015, 9, 1508-1522.	4.4	133
413	Effects of dietary probiotic supplementation on <i>LXRα</i> and <i>CYP7β1</i> gene expression, liver enzyme activities and fat metabolism in ducks. <i>British Poultry Science</i> , 2015, 56, 218-224.	0.8	18
414	Enrichment or depletion? The impact of stool pretreatment on metaproteomic characterization of the human gut microbiota. <i>Proteomics</i> , 2015, 15, 3474-3485.	1.3	63

#	ARTICLE	IF	CITATIONS
415	Nutrition Facts in Multiple Sclerosis. <i>ASN Neuro</i> , 2015, 7, 175909141456818.	1.5	169
417	Gut microbiota composition correlates with changes in body fat content due to weight loss. <i>Beneficial Microbes</i> , 2015, 6, 431-439.	1.0	128
418	Host genetic determinants of microbiota-dependent nutrition revealed by genome-wide analysis of <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2015, 6, 6312.	5.8	100
419	Sodium chloride, SGK1, and Th17 activation. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 543-550.	1.3	38
420	Metabolomics Investigation To Shed Light on Cheese as a Possible Piece in the French Paradox Puzzle. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2830-2839.	2.4	84
421	Lipid Management. , 2015, , .		1
422	The multifactorial interplay of diet, the microbiome and appetite control: current knowledge and future challenges. <i>Proceedings of the Nutrition Society</i> , 2015, 74, 235-244.	0.4	14
423	Obesity and the microbiome. <i>Expert Review of Gastroenterology and Hepatology</i> , 2015, 9, 1087-1099.	1.4	127
424	Studying host-microbiota mutualism in <i>Drosophila</i> : Harnessing the power of gnotobiotic flies. <i>Biomedical Journal</i> , 2015, 38, 285.	1.4	50
425	Contributions of risk factors and medical care to cardiovascular mortality trends. <i>Nature Reviews Cardiology</i> , 2015, 12, 508-530.	6.1	243
426	Are dietary emulsifiers making us fat?. <i>Journal of Hepatology</i> , 2015, 63, 1045-1048.	1.8	4
427	Gut microbiota trajectory in pediatric patients undergoing hematopoietic SCT. <i>Bone Marrow Transplantation</i> , 2015, 50, 992-998.	1.3	111
428	Gut permeability, its interaction with gut microflora and effects on metabolic health are mediated by the lymphatics system, liver and bile acid. <i>Future Microbiology</i> , 2015, 10, 1339-1353.	1.0	39
429	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. <i>Cell Metabolism</i> , 2015, 22, 320-331.	7.2	345
430	Roux-en-Y Gastric Bypass and Vertical Banded Gastroplasty Induce Long-Term Changes on the Human Gut Microbiome Contributing to Fat Mass Regulation. <i>Cell Metabolism</i> , 2015, 22, 228-238.	7.2	638
431	Transforming berberine into its intestine-absorbable form by the gut microbiota. <i>Scientific Reports</i> , 2015, 5, 12155.	1.6	190
432	Transmissible microbial and metabolomic remodeling by soluble dietary fiber improves metabolic homeostasis. <i>Scientific Reports</i> , 2015, 5, 10604.	1.6	77
433	Cross-talk between bile acids and intestinal microbiota in host metabolism and health. <i>Journal of Zhejiang University: Science B</i> , 2015, 16, 436-446.	1.3	91

#	ARTICLE	IF	CITATIONS
434	Effect of growth factors, estradiol 17- β , and short chain fatty acids on the intestinal HT29-MTX cells. <i>Cell Biology and Toxicology</i> , 2015, 31, 199-209.	2.4	6
435	Metabolome progression during early gut microbial colonization of gnotobiotic mice. <i>Scientific Reports</i> , 2015, 5, 11589.	1.6	29
436	Combining metagenomics, metatranscriptomics and viromics to explore novel microbial interactions: towards a systems-level understanding of human microbiome. <i>Computational and Structural Biotechnology Journal</i> , 2015, 13, 390-401.	1.9	182
437	Vitamin B ₁₂ modulates the transcriptome of the skin microbiota in acne pathogenesis. <i>Science Translational Medicine</i> , 2015, 7, 293ra103.	5.8	138
438	New Method for Comparative Functional Genomics and Metagenomics Using KEGG MODULE. , 2015, , 525-539.		0
439	Next-Generation Sequencing for Metagenomic Data: Assembling and Binning. , 2015, , 539-544.		0
440	About the gut microbiome as a pharmacological target in atherosclerosis. <i>European Journal of Pharmacology</i> , 2015, 763, 75-78.	1.7	11
441	Probiotic <i>Lactobacillus paracasei</i> IMPC 2.1 strain delivered by ready-to-eat swordfish fillets colonizes the human gut after alternate-day supplementation. <i>Journal of Functional Foods</i> , 2015, 17, 468-475.	1.6	8
442	Metabolic effects of non-nutritive sweeteners. <i>Physiology and Behavior</i> , 2015, 152, 450-455.	1.0	188
443	Gut-liver axis, nutrition, and non-alcoholic fatty liver disease. <i>Clinical Biochemistry</i> , 2015, 48, 923-930.	0.8	233
444	Neuroendocrine adaptations to bariatric surgery. <i>Molecular and Cellular Endocrinology</i> , 2015, 418, 143-152.	1.6	38
445	The Probiotic Mixture VSL#3 Has Differential Effects on Intestinal Immune Parameters in Healthy Female BALB/c and C57BL/6 Mice. <i>Journal of Nutrition</i> , 2015, 145, 1354-1361.	1.3	23
446	Adiposity and cancer risk: new mechanistic insights from epidemiology. <i>Nature Reviews Cancer</i> , 2015, 15, 484-498.	12.8	467
447	Gnotobiotics. , 2015, , 1263-1296.		3
448	Dietary saponins from four popular herbal tea exert prebiotic-like effects on gut microbiota in C57BL/6 mice. <i>Journal of Functional Foods</i> , 2015, 17, 892-902.	1.6	53
449	Role of Microbiota in Regulating Host Lipid Metabolism and Disease Risk. <i>Molecular and Integrative Toxicology</i> , 2015, , 235-260.	0.5	1
450	Bakterien – ihre Entdeckung und Bedeutung für Natur und Mensch. , 2015, , .		3
451	The role of short chain fatty acids in appetite regulation and energy homeostasis. <i>International Journal of Obesity</i> , 2015, 39, 1331-1338.	1.6	468

#	ARTICLE	IF	CITATIONS
452	The Influence of the Gut Microbiome on Obesity, Metabolic Syndrome and Gastrointestinal Disease. <i>Clinical and Translational Gastroenterology</i> , 2015, 6, e91.	1.3	177
453	Roles of Nrf2 in cell proliferation and differentiation. <i>Free Radical Biology and Medicine</i> , 2015, 88, 168-178.	1.3	189
454	Inflammasomes: mechanism of action, role in disease, and therapeutics. <i>Nature Medicine</i> , 2015, 21, 677-687.	15.2	2,476
455	Gut microbiome, gut function, and probiotics: Implications for health. <i>Indian Journal of Gastroenterology</i> , 2015, 34, 93-107.	0.7	30
456	The Role of Microbial Amino Acid Metabolism in Host Metabolism. <i>Nutrients</i> , 2015, 7, 2930-2946.	1.7	656
457	Dietary allicin reduces transformation of L-carnitine to TMAO through impact on gut microbiota. <i>Journal of Functional Foods</i> , 2015, 15, 408-417.	1.6	55
458	The effects of time-restricted feeding on lipid metabolism and adiposity. <i>Adipocyte</i> , 2015, 4, 319-324.	1.3	29
459	Dynamic efficiency of the human intestinal microbiota. <i>Critical Reviews in Microbiology</i> , 2015, 41, 165-171.	2.7	32
460	Primary sclerosing cholangitis – the Norwegian experience. <i>Scandinavian Journal of Gastroenterology</i> , 2015, 50, 781-796.	0.6	9
461	The role of the gut microbiota in metabolic health. <i>FASEB Journal</i> , 2015, 29, 3111-3123.	0.2	167
462	Changes in human gut microbiota influenced by probiotic fermented milk ingestion. <i>Journal of Dairy Science</i> , 2015, 98, 3568-3576.	1.4	60
463	Symbiotic and antibiotic interactions between gut commensal microbiota and host immune system. <i>Medicina (Lithuania)</i> , 2015, 51, 69-75.	0.8	40
464	Increased gut microbiota diversity and abundance of <i>Faecalibacterium prausnitzii</i> and <i>Akkermansia</i> after fasting: a pilot study. <i>Wiener Klinische Wochenschrift</i> , 2015, 127, 394-398.	1.0	96
465	Analysis of swine fecal microbiota at various growth stages. <i>Archives of Microbiology</i> , 2015, 197, 753-759.	1.0	68
466	Antibiotics exposure in obesity: an update of a complex relationship. <i>Endocrine</i> , 2015, 48, 12-13.	1.1	3
467	Evaluation of methods to purify virus-like particles for metagenomic sequencing of intestinal viromes. <i>BMC Genomics</i> , 2015, 16, 7.	1.2	183
468	Being human is a gut feeling. <i>Microbiome</i> , 2015, 3, 9.	4.9	18
469	Inter-individual differences in the gene content of human gut bacterial species. <i>Genome Biology</i> , 2015, 16, 82.	3.8	184

#	ARTICLE	IF	CITATIONS
470	Type 2 diabetes and gut microbiome: at the intersection of known and unknown. <i>Gut Microbes</i> , 2015, 6, 85-92.	4.3	88
471	Metabolic dependencies drive species co-occurrence in diverse microbial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6449-6454.	3.3	588
472	Time for Food: The Intimate Interplay between Nutrition, Metabolism, and the Circadian Clock. <i>Cell</i> , 2015, 161, 84-92.	13.5	608
473	Phylogenetic and Functional Alterations in Bacterial Community Compositions in Broiler Ceca as a Result of Mannan Oligosaccharide Supplementation. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3460-3470.	1.4	82
474	Roles of Herbal Medicine in Modulating Gut Microbiota Associated with Health and Diseases. <i>Molecular and Integrative Toxicology</i> , 2015, , 185-197.	0.5	0
475	Non-Alcoholic Fatty Liver Disease (NAFLD): The Lipid Disease of the Liver and the Effect of Statins. , 2015, , 149-173.		1
476	Quality of Methods Reporting in Animal Models of Colitis. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1.	0.9	49
477	Progress and Challenges in Developing Metabolic Footprints from Diet in Human Gut Microbial Cometabolism. , <i>Journal of Nutrition</i> , 2015, 145, 1123S-1130S.	1.3	40
478	Microbiota Regulation of the Mammalian Gut-Brain Axis. <i>Advances in Applied Microbiology</i> , 2015, 91, 1-62.	1.3	207
479	Reshaping faecal gut microbiota composition by the intake of trans-resveratrol and quercetin in high-fat sucrose diet-fed rats. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 651-660.	1.9	372
480	Fate, activity, and impact of ingested bacteria within the human gut microbiota. <i>Trends in Microbiology</i> , 2015, 23, 354-366.	3.5	474
481	Potential anti-obesogenic properties of non-digestible carbohydrates: specific focus on resistant dextrin. <i>Proceedings of the Nutrition Society</i> , 2015, 74, 258-267.	0.4	19
482	Impact of probiotics during weaning on the metabolic and inflammatory profile: follow-up at school age. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 686-691.	1.3	10
483	High Calorie Diet and the Human Brain. , 2015, , .		10
484	Bacteria-Mediated Effects of Antibiotics on <i>Daphnia</i> Nutrition. <i>Environmental Science & Technology</i> , 2015, 49, 5779-5787.	4.6	79
485	Antibiotic Exposure in Infancy and Risk of Being Overweight in the First 24 Months of Life. <i>Pediatrics</i> , 2015, 135, 617-626.	1.0	322
486	Gut Microbiota: The Conductor in the Orchestra of Immune-Neuroendocrine Communication. <i>Clinical Therapeutics</i> , 2015, 37, 954-967.	1.1	163
487	Metagenomic insights into tetracycline effects on microbial community and antibiotic resistance of mouse gut. <i>Ecotoxicology</i> , 2015, 24, 2125-2132.	1.1	46

#	ARTICLE	IF	CITATIONS
488	Gastrointestinal microbiome modulator improves glucose tolerance in overweight and obese subjects: A randomized controlled pilot trial. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 1272-1276.	1.2	70
489	The gut microbiota of nonalcoholic fatty liver disease: current methods and their interpretation. <i>Hepatology International</i> , 2015, 9, 406-415.	1.9	33
490	A catalog of the mouse gut metagenome. <i>Nature Biotechnology</i> , 2015, 33, 1103-1108.	9.4	422
491	Advancing gut microbiome research using cultivation. <i>Current Opinion in Microbiology</i> , 2015, 27, 127-132.	2.3	44
492	Impact of Gut Microbiota on Obesity, Diabetes, and Cardiovascular Disease Risk. <i>Current Cardiology Reports</i> , 2015, 17, 120.	1.3	125
493	The ecology of the microbiome: Networks, competition, and stability. <i>Science</i> , 2015, 350, 663-666.	6.0	1,618
494	The relevance of intestinal dysbiosis in liver transplant candidates. <i>Transplant Infectious Disease</i> , 2015, 17, 174-184.	0.7	20
495	Interactions Between the Gastrointestinal Microbiome and <i>Clostridium difficile</i> . <i>Annual Review of Microbiology</i> , 2015, 69, 445-461.	2.9	256
496	Can Bacteriotherapy Using Commercially Available Probiotics, Prebiotics, and Organic Acids Ameliorate the Symptoms Associated With Runting-Stunting Syndrome in Broiler Chickens?. <i>Avian Diseases</i> , 2015, 59, 201-206.	0.4	4
497	Network analysis of temporal functionalities of the gut induced by perturbations in new-born piglets. <i>BMC Genomics</i> , 2015, 16, 556.	1.2	23
498	Dietary Protein and Fiber in End Stage Renal Disease. <i>Seminars in Dialysis</i> , 2015, 28, 75-80.	0.7	16
499	A new era of secreted phospholipase A2. <i>Journal of Lipid Research</i> , 2015, 56, 1248-1261.	2.0	186
500	Cohabitation in the Intestine: Interactions among Helminth Parasites, Bacterial Microbiota, and Host Immunity. <i>Journal of Immunology</i> , 2015, 195, 4059-4066.	0.4	154
504	Role of the Gut Microbiome in Obesity and Diabetes Mellitus. <i>Nutrition in Clinical Practice</i> , 2015, 30, 787-797.	1.1	187
505	Crosstalk between Gut Microbiota and Dietary Lipids Aggravates WAT Inflammation through TLR Signaling. <i>Cell Metabolism</i> , 2015, 22, 658-668.	7.2	763
506	Mechanistic link between nonalcoholic fatty liver disease and cardiometabolic disorders. <i>International Journal of Cardiology</i> , 2015, 201, 408-414.	0.8	55
507	Bariatric surgery and diabetes remission: how far have we progressed?. <i>Expert Review of Endocrinology and Metabolism</i> , 2015, 10, 545-559.	1.2	0
508	Consumption of spicy foods and total and cause specific mortality: population based cohort study. <i>BMJ, The</i> , 2015, 351, h3942.	3.0	138

#	ARTICLE	IF	CITATIONS
509	Review: Mechanisms of How the Intestinal Microbiota Alters the Effects of Drugs and Bile Acids. Drug Metabolism and Disposition, 2015, 43, 1505-1521.	1.7	156
510	Association between Obesity and Cervical Microflora Dominated by Lactobacillus iners in Korean Women. Journal of Clinical Microbiology, 2015, 53, 3304-3309.	1.8	31
511	Microbiology Meets Big Data: The Case of Gut Microbiotaâ€Derived Trimethylamine. Annual Review of Microbiology, 2015, 69, 305-321.	2.9	133
512	Therapeutic potential of Î±-glucosidase inhibitors in type 2 diabetes mellitus: an evidence-based review. Expert Opinion on Pharmacotherapy, 2015, 16, 1959-1981.	0.9	218
514	Mechanistic similarities between trauma, atherosclerosis, and other inflammatory processes. Journal of Critical Care, 2015, 30, 1344-1348.	1.0	6
515	Impact of dietary fiber/starch ratio in shaping caecal microbiota in rabbits. Canadian Journal of Microbiology, 2015, 61, 771-784.	0.8	47
516	Microbiota Organ and Bariatric Surgery. , 2015, , 43-55.		0
517	Hesperetin Modifies the Composition of Fecal Microbiota and Increases Cecal Levels of Short-Chain Fatty Acids in Rats. Journal of Agricultural and Food Chemistry, 2015, 63, 7952-7957.	2.4	58
518	A Review of Applied Aspects of Dealing with Gut Microbiota Impact on Rodent Models. ILAR Journal, 2015, 56, 250-264.	1.8	28
519	Xenobiotics: Interaction with the Intestinal Microflora. ILAR Journal, 2015, 56, 218-227.	1.8	92
520	Perna canaliculus (Green-Lipped Mussel): Bioactive Components and Therapeutic Evaluation for Chronic Health Conditions. Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques, 2015, 70, 91-132.	0.6	12
521	¹ H NMR Spectroscopy of Fecal Extracts Enables Detection of Advanced Colorectal Neoplasia. Journal of Proteome Research, 2015, 14, 3871-3881.	1.8	32
522	The Gut Microbiome Contributes to a Substantial Proportion of the Variation in Blood Lipids. Circulation Research, 2015, 117, 817-824.	2.0	534
523	The relationship between early-life environment, the epigenome and the microbiota. Epigenomics, 2015, 7, 1173-1184.	1.0	24
524	A Wave of Regulatory T Cells into Neonatal Skin Mediates Tolerance to Commensal Microbes. Immunity, 2015, 43, 1011-1021.	6.6	424
525	Dietary Fiber-Induced Improvement in Glucose Metabolism Is Associated with Increased Abundance of Prevotella. Cell Metabolism, 2015, 22, 971-982.	7.2	1,190
526	Chronic obstructive pulmonary disease and asthmaâ€associated Proteobacteria, but not commensal Prevotella spp., promote Toll-like receptor 2â€independent lung inflammation and pathology. Immunology, 2015, 144, 333-342.	2.0	144
527	Insights Into the Role of the Microbiome in Obesity and Type 2 Diabetes. Diabetes Care, 2015, 38, 159-165.	4.3	519

#	ARTICLE	IF	CITATIONS
528	Repeated cooking and freezing of whole wheat flour increases resistant starch with beneficial impacts on in vitro fecal fermentation properties. <i>Journal of Functional Foods</i> , 2015, 12, 230-236.	1.6	35
529	Effects of the gut microbiota on bone mass. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 69-74.	3.1	172
530	Alterations of gut barrier and gut microbiota in food restriction, food deprivation and protein-energy wasting. <i>Clinical Nutrition</i> , 2015, 34, 341-349.	2.3	101
531	Fecal microbiota transplantation through mid-gut for refractory Crohn's disease: Safety, feasibility, and efficacy trial results. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015, 30, 51-58.	1.4	266
532	Nonalcoholic fatty liver disease: A precursor of the metabolic syndrome. <i>Digestive and Liver Disease</i> , 2015, 47, 181-190.	0.4	551
533	Deciphering the human microbiome using next-generation sequencing data and bioinformatics approaches. <i>Methods</i> , 2015, 79-80, 52-59.	1.9	39
534	Development of an Enhanced Metaproteomic Approach for Deepening the Microbiome Characterization of the Human Infant Gut. <i>Journal of Proteome Research</i> , 2015, 14, 133-141.	1.8	77
535	Multidisciplinary Approach to Obesity. , 2015, , .		8
536	MECHANISMS IN ENDOCRINOLOGY: Gut microbiota in patients with type 2 diabetes mellitus. <i>European Journal of Endocrinology</i> , 2015, 172, R167-R177.	1.9	183
537	Mucins: A biologically relevant glycan barrier in mucosal protection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 236-252.	1.1	389
538	Toward the comprehensive understanding of the gut ecosystem via metabolomics-based integrated omics approach. <i>Seminars in Immunopathology</i> , 2015, 37, 5-16.	2.8	46
539	Epigenomics and the Microbiota. <i>Toxicologic Pathology</i> , 2015, 43, 101-106.	0.9	30
540	The effect of <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> L. casei W8 ^Å on blood levels of triacylglycerol is independent of colonisation. <i>Beneficial Microbes</i> , 2015, 6, 263-269.	1.0	16
541	The small intestine microbiota, nutritional modulation and relevance for health. <i>Current Opinion in Biotechnology</i> , 2015, 32, 14-20.	3.3	182
542	Tissue-specific actions of FXR in metabolism and cancer. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 30-39.	1.2	90
543	6. Die physiologische Standortflora. , 2016, , 61-82.		0
544	7. Role of nutrient in microbial developments and microbial metabolic diversity. , 2016, , .		4
545	Germ-Free Animals. , 2016, , 109-140.		1

#	ARTICLE	IF	CITATIONS
546	Effects of a high fat diet on intestinal microbiota and gastrointestinal diseases. World Journal of Gastroenterology, 2016, 22, 8905.	1.4	113
547	Epigenomics of Intestinal Disease. , 2016, , 257-273.		0
548	Determinants of body weight regulation in humans. Archives of Endocrinology and Metabolism, 2016, 60, 152-162.	0.3	39
549	Microbiome, Prebiotics, and Human Health. , 2016, , 335-343.		1
550	Association of <i>Fusobacterium nucleatum</i> infection with colorectal cancer in Chinese patients. World Journal of Gastroenterology, 2016, 22, 3227.	1.4	143
551	Improving Effect of the Acute Administration of Dietary Fiber-Enriched Cereals on Blood Glucose Levels and Gut Hormone Secretion. Journal of Korean Medical Science, 2016, 31, 222.	1.1	16
552	Gut microbiota role in irritable bowel syndrome: New therapeutic strategies. World Journal of Gastroenterology, 2016, 22, 2219-2241.	1.4	249
553	Immunity in Molluscs. , 2016, , 417-436.		10
554	Interactions Between Enteric Viruses and the Gut Microbiota. , 2016, , 535-544.		1
555	Gut microbiota – a new companion on the path of cardiovascular diseases progression: surprising roles of long-time neighbors. Rational Pharmacotherapy in Cardiology, 2016, 12, 66-71.	0.3	5
556	The gut microbiota: a key regulator of metabolic diseases. BMB Reports, 2016, 49, 536-541.	1.1	46
557	Influence of Gut Microbiota on Inflammation and Pathogenesis of Sugar Rich Diet Induced Diabetes. Immunome Research, 2016, 12, .	0.1	3
558	Perilla Oil Has Similar Protective Effects of Fish Oil on High-Fat Diet-Induced Nonalcoholic Fatty Liver Disease and Gut Dysbiosis. BioMed Research International, 2016, 2016, 1-11.	0.9	35
559	Modulatory Effects of Gut Microbiota on the Central Nervous System: How Gut Could Play a Role in Neuropsychiatric Health and Diseases. Journal of Neurogastroenterology and Motility, 2016, 22, 201-212.	0.8	197
560	Obesity Reduces Cognitive and Motor Functions across the Lifespan. Neural Plasticity, 2016, 2016, 1-13.	1.0	122
561	A Nested Case-Control Study of Association between Metabolome and Hypertension Risk. BioMed Research International, 2016, 2016, 1-7.	0.9	37
562	The Microbiome in Aging. , 2016, , 185-222.		1
563	The New Era of Treatment for Obesity and Metabolic Disorders: Evidence and Expectations for Gut Microbiome Transplantation. Frontiers in Cellular and Infection Microbiology, 2016, 6, 15.	1.8	60

#	ARTICLE	IF	CITATIONS
564	Gut Microbiota: A Contributing Factor to Obesity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 95.	1.8	70
565	Obesity: An Immunometabolic Perspective. <i>Frontiers in Endocrinology</i> , 2016, 7, 157.	1.5	77
566	Social Environment Has a Primary Influence on the Microbial and Odor Profiles of a Chemically Signaling Songbird. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	45
567	The Challenge and Potential of Metagenomics in the Clinic. <i>Frontiers in Immunology</i> , 2016, 7, 29.	2.2	49
568	Mucosal Interactions between Genetics, Diet, and Microbiome in Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2016, 7, 290.	2.2	93
569	Inflamm-Aging of Hematopoiesis, Hematopoietic Stem Cells, and the Bone Marrow Microenvironment. <i>Frontiers in Immunology</i> , 2016, 7, 502.	2.2	272
570	Diet Diversity Is Associated with Beta but not Alpha Diversity of Pika Gut Microbiota. <i>Frontiers in Microbiology</i> , 2016, 7, 1169.	1.5	117
571	Pika Gut May Select for Rare but Diverse Environmental Bacteria. <i>Frontiers in Microbiology</i> , 2016, 7, 1269.	1.5	65
572	Impact of Different Fecal Processing Methods on Assessments of Bacterial Diversity in the Human Intestine. <i>Frontiers in Microbiology</i> , 2016, 7, 1643.	1.5	39
573	Alteration of Fecal Microbiota Profiles in Juvenile Idiopathic Arthritis. Associations with HLA-B27 Allele and Disease Status. <i>Frontiers in Microbiology</i> , 2016, 7, 1703.	1.5	65
574	Alcoholic Liver Disease: Update on the Role of Dietary Fat. <i>Biomolecules</i> , 2016, 6, 1.	1.8	86
575	Changes in Composition and Function of Human Intestinal Microbiota Exposed to Chlorpyrifos in Oil as Assessed by the SHIMEA® Model. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1088.	1.2	48
576	The Metabolic Role of Gut Microbiota in the Development of Nonalcoholic Fatty Liver Disease and Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1225.	1.8	50
577	Molecular Pathogenesis of NASH. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1575.	1.8	150
578	The Reciprocal Interactions between Polyphenols and Gut Microbiota and Effects on Bioaccessibility. <i>Nutrients</i> , 2016, 8, 78.	1.7	573
579	Probiotics and Prebiotics: Present Status and Future Perspectives on Metabolic Disorders. <i>Nutrients</i> , 2016, 8, 173.	1.7	216
580	MMinte: an application for predicting metabolic interactions among the microbial species in a community. <i>BMC Bioinformatics</i> , 2016, 17, 343.	1.2	67
582	Biliary Microbiota, Gallstone Disease and Infection with <i>Opisthorchis felinus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004809.	1.3	42

#	ARTICLE	IF	CITATIONS
583	A Single-Batch Fermentation System to Simulate Human Colonic Microbiota for High-Throughput Evaluation of Prebiotics. <i>PLoS ONE</i> , 2016, 11, e0160533.	1.1	92
584	Paneth cell α -defensins and enteric microbiota in health and disease. <i>Bioscience of Microbiota, Food and Health</i> , 2016, 35, 57-67.	0.8	79
585	Lower Neighborhood Socioeconomic Status Associated with Reduced Diversity of the Colonic Microbiota in Healthy Adults. <i>PLoS ONE</i> , 2016, 11, e0148952.	1.1	121
586	<i>Helicobacter pylori</i> Eradication Causes Perturbation of the Human Gut Microbiome in Young Adults. <i>PLoS ONE</i> , 2016, 11, e0151893.	1.1	109
587	Phenylketonuria and Gut Microbiota: A Controlled Study Based on Next-Generation Sequencing. <i>PLoS ONE</i> , 2016, 11, e0157513.	1.1	52
588	Inulin Supplementation Lowered the Metabolic Defects of Prolonged Exposure to Chlorpyrifos from Gestation to Young Adult Stage in Offspring Rats. <i>PLoS ONE</i> , 2016, 11, e0164614.	1.1	41
590	Changes in the Functional Potential of the Gut Microbiome Following Probiotic Supplementation during <i>Helicobacter Pylori</i> Treatment. <i>Helicobacter</i> , 2016, 21, 493-503.	1.6	27
591	Investigating the early metabolic fingerprint of celiac disease – a prospective approach. <i>Journal of Autoimmunity</i> , 2016, 72, 95-101.	3.0	15
592	Vertical sleeve gastrectomy activates GPBAR1/TGR5 to sustain weight loss, improve fatty liver, and remit insulin resistance in mice. <i>Hepatology</i> , 2016, 64, 760-773.	3.6	143
593	metaBIT, an integrative and automated metagenomic pipeline for analysing microbial profiles from high-throughput sequencing shotgun data. <i>Molecular Ecology Resources</i> , 2016, 16, 1415-1427.	2.2	35
594	Survival of lactic acid and propionibacteria in low- and full-fat Dutch-type cheese during human digestion ex vivo. <i>Letters in Applied Microbiology</i> , 2016, 62, 404-410.	1.0	5
595	The human gut microbiota and its interactive connections to diet. <i>Journal of Human Nutrition and Dietetics</i> , 2016, 29, 539-546.	1.3	62
596	Green tea polyphenol epigallocatechin gallate improves epithelial barrier function by inducing the production of antimicrobial peptide pBD1 and pBD2 in monolayers of porcine intestinal epithelial IPEC2 cells. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1048-1058.	1.5	56
597	Modulating adult neurogenesis through dietary interventions. <i>Nutrition Research Reviews</i> , 2016, 29, 163-171.	2.1	23
598	Insights into the biodiversity of the gut microbiota of broiler chickens. <i>Environmental Microbiology</i> , 2016, 18, 4727-4738.	1.8	152
599	<i>cis</i> -Encoded Small RNAs, a Conserved Mechanism for Repression of Polysaccharide Utilization in <i>Bacteroides</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2410-2418.	1.0	27
600	Artificial sweeteners and metabolic dysregulation: Lessons learned from agriculture and the laboratory. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2016, 17, 179-186.	2.6	33
601	Links Between the Microbiome and Bone. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1638-1646.	3.1	151

#	ARTICLE	IF	CITATIONS
602	Nucleic Acid-Targeting Pathways Promote Inflammation in Obesity-Related Insulin Resistance. <i>Cell Reports</i> , 2016, 16, 717-730.	2.9	77
603	A Role for Timp3 in Microbiota-Driven Hepatic Steatosis and Metabolic Dysfunction. <i>Cell Reports</i> , 2016, 16, 731-743.	2.9	18
604	Gut microbiome and lipid metabolism. <i>Current Opinion in Lipidology</i> , 2016, 27, 216-224.	1.2	72
605	Adverse consequences of neonatal antibiotic exposure. <i>Current Opinion in Pediatrics</i> , 2016, 28, 141-149.	1.0	123
606	Function and clinical implications of short-chain fatty acids in patients with mixed refractory constipation. <i>Colorectal Disease</i> , 2016, 18, 803-810.	0.7	35
607	Role of Gut Microbiome in the Modulation of Environmental Toxicants and Therapeutic Agents. , 2016, , 491-518.		2
608	Modulation of Microbiota-Gut-Brain Axis by Berberine Resulting in Improved Metabolic Status in High-Fat Diet-Fed Rats. <i>Obesity Facts</i> , 2016, 9, 365-378.	1.6	68
609	Impact of visceral fat on gene expression profile in peripheral blood cells in obese Japanese subjects. <i>Cardiovascular Diabetology</i> , 2016, 15, 159.	2.7	12
610	Roux-en-Y gastric bypass surgery of morbidly obese patients induces swift and persistent changes of the individual gut microbiota. <i>Genome Medicine</i> , 2016, 8, 67.	3.6	260
611	Disruption of the microbiota across multiple body sites in critically ill children. <i>Microbiome</i> , 2016, 4, 66.	4.9	84
612	Bacterial bile salt hydrolase: an intestinal microbiome target for enhanced animal health. <i>Animal Health Research Reviews</i> , 2016, 17, 148-158.	1.4	33
613	Sepsis in preterm infants causes alterations in mucosal gene expression and microbiota profiles compared to non-septic twins. <i>Scientific Reports</i> , 2016, 6, 25497.	1.6	38
614	Correlation between microbiota and growth in Mangrove Killifish (<i>Kryptolebias marmoratus</i>) and Atlantic cod (<i>Gadus morhua</i>). <i>Scientific Reports</i> , 2016, 6, 21192.	1.6	29
615	Trimethylamine <i>N</i> -oxide and Mortality Risk in Patients With Peripheral Artery Disease. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	133
616	Modulation of gut microbiota dysbioses in type 2 diabetic patients by macrobiotic Ma-Pi 2 diet. <i>British Journal of Nutrition</i> , 2016, 116, 80-93.	1.2	181
617	Quantitative analysis of ruminal bacterial populations involved in lipid metabolism in dairy cows fed different vegetable oils. <i>Animal</i> , 2016, 10, 1821-1828.	1.3	32
618	Neuropeptides, Microbiota, and Behavior. <i>International Review of Neurobiology</i> , 2016, 131, 67-89.	0.9	41
619	Bidirectional Communication between Liver and Gut during Alcoholic Liver Disease. <i>Seminars in Liver Disease</i> , 2016, 36, 331-339.	1.8	84

#	ARTICLE	IF	CITATIONS
620	Dissecting the interplay between intestinal microbiota and host immunity in health and disease: Lessons learned from germfree and gnotobiotic animal models. <i>European Journal of Microbiology and Immunology</i> , 2016, 6, 253-271.	1.5	142
621	Gut microbiota influences pathological angiogenesis in obesity-driven choroidal neovascularization. <i>EMBO Molecular Medicine</i> , 2016, 8, 1366-1379.	3.3	133
622	Human microbiome as therapeutic intervention target to reduce cardiovascular disease risk. <i>Current Opinion in Lipidology</i> , 2016, 27, 615-622.	1.2	36
623	Impact of the gut microbiota on the neuroendocrine and behavioural responses to stress in rodents. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2016, 23, D116.	0.6	6
624	Effects of taurine on gut microbiota and metabolism in mice. <i>Amino Acids</i> , 2016, 48, 1601-1617.	1.2	74
625	Effects of chlorpyrifos on the gut microbiome and urine metabolome in mouse (<i>Mus musculus</i>). <i>Chemosphere</i> , 2016, 153, 287-293.	4.2	96
626	Plasma Trimethylamine N -Oxide, a Gut Microbe-generated Phosphatidylcholine Metabolite, Is Associated With Atherosclerotic Burden. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2620-2628.	1.2	186
627	How to Choose the Best Metabolic Procedure?. <i>Current Atherosclerosis Reports</i> , 2016, 18, 43.	2.0	13
628	Adult Intake of Minimally Processed Fruits and Vegetables: Associations with Cardiometabolic Disease Risk Factors. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2016, 116, 1387-1394.	0.4	31
629	Microbiomes, metagenomics, and primate conservation: New strategies, tools, and applications. <i>Biological Conservation</i> , 2016, 199, 56-66.	1.9	73
630	Memory CD8 + T Cells Require Increased Concentrations of Acetate Induced by Stress for Optimal Function. <i>Immunity</i> , 2016, 44, 1312-1324.	6.6	257
631	Gut Microbiota as a Target in the Pathogenesis of Metabolic Disorders: A New Approach to Novel Therapeutic Agents. <i>Hormone and Metabolic Research</i> , 2016, 48, 349-358.	0.7	104
632	Effects of probiotic supplementation on glycaemic control and lipid profiles in gestational diabetes: A randomized, double-blind, placebo-controlled trial. <i>Diabetes and Metabolism</i> , 2016, 42, 234-241.	1.4	123
633	Biological plausibility linking sleep apnoea and metabolic dysfunction. <i>Nature Reviews Endocrinology</i> , 2016, 12, 290-298.	4.3	107
634	Colony Location and Captivity Influence the Gut Microbial Community Composition of the Australian Sea Lion (<i>Neophoca cinerea</i>). <i>Applied and Environmental Microbiology</i> , 2016, 82, 3440-3449.	1.4	61
635	Protective Capacity of Resveratrol, a Natural Polyphenolic Compound, against Deoxynivalenol-Induced Intestinal Barrier Dysfunction and Bacterial Translocation. <i>Chemical Research in Toxicology</i> , 2016, 29, 823-833.	1.7	109
636	Relationship of Enhanced Butyrate Production by Colonic Butyrate-Producing Bacteria to Immunomodulatory Effects in Normal Mice Fed an Insoluble Fraction of <i>Brassica rapa L.</i> <i>Applied and Environmental Microbiology</i> , 2016, 82, 2693-2699.	1.4	36
637	Moving microbiota research toward establishing causal associations that represent viable targets for effective public health interventions. <i>Annals of Epidemiology</i> , 2016, 26, 306-310.	0.9	12

#	ARTICLE	IF	CITATIONS
638	Brain-Gut-Bone Marrow Axis. <i>Circulation Research</i> , 2016, 118, 1327-1336.	2.0	95
639	Major Increase in Microbiota-Dependent Proatherogenic Metabolite TMAO One Year After Bariatric Surgery. <i>Metabolic Syndrome and Related Disorders</i> , 2016, 14, 197-201.	0.5	61
640	Treatment with Oxidized Phospholipids Directly Inhibits Nonalcoholic Steatohepatitis and Liver Fibrosis Without Affecting Steatosis. <i>Digestive Diseases and Sciences</i> , 2016, 61, 2545-2553.	1.1	15
641	Can milk proteins be a useful tool in the management of cardiometabolic health? An updated review of human intervention trials. <i>Proceedings of the Nutrition Society</i> , 2016, 75, 328-341.	0.4	44
642	Ultra-deep and quantitative saliva proteome reveals dynamics of the oral microbiome. <i>Genome Medicine</i> , 2016, 8, 44.	3.6	170
643	Mismatch Repair and Colon Cancer: Mechanisms and Therapies Explored. <i>Trends in Molecular Medicine</i> , 2016, 22, 274-289.	3.5	136
644	H ₂ metabolism is widespread and diverse among human colonic microbes. <i>Gut Microbes</i> , 2016, 7, 235-245.	4.3	105
645	The Gut Microbiota and their Metabolites: Potential Implications for the Host Epigenome. <i>Advances in Experimental Medicine and Biology</i> , 2016, 902, 33-44.	0.8	49
646	Efficiency of Amazonian tubers flours in modulating gut microbiota of male rats. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 38, 1-6.	2.7	16
647	Nutrient sensing, signal transduction and immune responses. <i>Seminars in Immunology</i> , 2016, 28, 396-407.	2.7	50
648	The Roles of the Secreted Phospholipase A2 Gene Family in Immunology. <i>Advances in Immunology</i> , 2016, 132, 91-134.	1.1	64
649	Signals from the gut microbiota to distant organs in physiology and disease. <i>Nature Medicine</i> , 2016, 22, 1079-1089.	15.2	952
650	Analysis of the duodenal microbiotas of weaned piglet fed with epidermal growth factor-expressed <i>Saccharomyces cerevisiae</i> . <i>BMC Microbiology</i> , 2016, 16, 166.	1.3	13
652	Causality of small and large intestinal microbiota in weight regulation and insulin resistance. <i>Molecular Metabolism</i> , 2016, 5, 759-770.	3.0	142
653	Non-alcoholic fatty liver and the gut microbiota. <i>Molecular Metabolism</i> , 2016, 5, 782-794.	3.0	193
654	From the Cover: Exposure to Oral Antibiotics Induces Gut Microbiota Dysbiosis Associated with Lipid Metabolism Dysfunction and Low-Grade Inflammation in Mice. <i>Toxicological Sciences</i> , 2016, 154, 140-152.	1.4	70
655	Association of Intestinal Microbiota with Metabolic Markers and Dietary Habits in Patients with Type 2 Diabetes. <i>Digestion</i> , 2016, 94, 66-72.	1.2	84
656	Whey protein stories - An experiment in writing a multidisciplinary biography. <i>Appetite</i> , 2016, 107, 285-294.	1.8	8

#	ARTICLE	IF	CITATIONS
657	The Effect of Microbiota and the Immune System on the Development and Organization of the Enteric Nervous System. <i>Gastroenterology</i> , 2016, 151, 836-844.	0.6	178
658	Obesity, Type 2 Diabetes, and the Metabolic Syndrome. <i>Surgical Clinics of North America</i> , 2016, 96, 681-701.	0.5	31
659	Gut Microbial Metabolites Fuel Host Antibody Responses. <i>Cell Host and Microbe</i> , 2016, 20, 202-214.	5.1	601
660	Review article: the antimicrobial effects of rifaximin on the gut microbiota. <i>Alimentary Pharmacology and Therapeutics</i> , 2016, 43, 3-10.	1.9	60
661	Microbes and the mind: emerging hallmarks of the gut microbiota-brain axis. <i>Cellular Microbiology</i> , 2016, 18, 632-644.	1.1	113
662	Optical biosensor based on liquid crystal droplets for detection of cholic acid. <i>Optics Communications</i> , 2016, 381, 286-291.	1.0	40
663	Towards understanding brain-gut-microbiome connections in Alzheimer's disease. <i>BMC Systems Biology</i> , 2016, 10, 63.	3.0	128
664	High fat diet exacerbates dextran sulfate sodium induced colitis through disturbing mucosal dendritic cell homeostasis. <i>International Immunopharmacology</i> , 2016, 40, 1-10.	1.7	72
665	Integrative analysis of metabolome and gut microbiota in diet-induced hyperlipidemic rats treated with berberine compounds. <i>Journal of Translational Medicine</i> , 2016, 14, 237.	1.8	106
666	Interplay between gut microbiota, its metabolites and human metabolism: Dissecting cause from consequence. <i>Trends in Food Science and Technology</i> , 2016, 57, 233-243.	7.8	22
667	Gut microbiota role in dietary protein metabolism and health-related outcomes: The two sides of the coin. <i>Trends in Food Science and Technology</i> , 2016, 57, 213-232.	7.8	237
668	Gnotobiotic mouse model's contribution to understanding host-pathogen interactions. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3961-3969.	2.4	11
669	Microbial regulation of GLP-1 and L-cell biology. <i>Molecular Metabolism</i> , 2016, 5, 753-758.	3.0	95
670	Simultaneous determination of six short-chain fatty acids in colonic contents of colitis mice after oral administration of polysaccharides from <i>Chrysanthemum morifolium</i> Ramat by gas chromatography with flame ionization detector. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1029-1030, 88-94.	1.2	50
671	<i>Sasa quelpaertensis</i> leaf extract regulates microbial dysbiosis by modulating the composition and diversity of the microbiota in dextran sulfate sodium-induced colitis mice. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 481.	3.7	37
672	Chronic Repression of mTOR Complex 2 Induces Changes in the Gut Microbiota of Diet-induced Obese Mice. <i>Scientific Reports</i> , 2016, 6, 30887.	1.6	142
673	Sialoglycoprotein isolated from the eggs of <i>Carassius auratus</i> prevents bone loss: an effect associated with the regulation of gut microbiota in ovariectomized rats. <i>Food and Function</i> , 2016, 7, 4764-4771.	2.1	19
674	Acetate metabolism regulation in <i>Escherichia coli</i> : carbon overflow, pathogenicity, and beyond. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8985-9001.	1.7	98

#	ARTICLE	IF	CITATIONS
675	Role of Gut Microbiota and Short Chain Fatty Acids in Modulating Energy Harvest and Fat Partitioning in Youth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4367-4376.	1.8	124
676	Features of the effect of a complex probiotic with <i>Bacillus</i> bacteria and the larvae of <i>Hermetia illucens</i> biomass on Mozambique tilapia (<i>Oreochromis mossambicus</i> Å— <i>O. niloticus</i>) and Russian sturgeon (<i>Acipenser gueldenstaedti</i>) fry. <i>Biology Bulletin</i> , 2016, 43, 450-456.	0.1	6
677	Enhancing flora balance in the gastrointestinal tract of mice by lactic acid bacteria from Chinese sourdough and enzyme activities indicative of metabolism of protein, fat, and carbohydrate by the flora. <i>Journal of Dairy Science</i> , 2016, 99, 7809-7820.	1.4	18
678	Interactions between host genetics and gut microbiome in diabetes and metabolic syndrome. <i>Molecular Metabolism</i> , 2016, 5, 795-803.	3.0	132
679	Do Vertebrate Gut Metagenomes Confer Rapid Ecological Adaptation?. <i>Trends in Ecology and Evolution</i> , 2016, 31, 689-699.	4.2	235
680	Visceral adiposity syndrome. <i>Diabetology and Metabolic Syndrome</i> , 2016, 8, 40.	1.2	85
681	Human risk of diseases associated with red meat intake: Analysis of current theories and proposed role for metabolic incorporation of a non-human sialic acid. <i>Molecular Aspects of Medicine</i> , 2016, 51, 16-30.	2.7	123
682	Hypoglycemic activity of the Baker's yeast Î²-glucan in obese/type 2 diabetic mice and the underlying mechanism. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2678-2690.	1.5	61
683	<i>Lactobacillus salivarius</i> reverse diabetes-induced intestinal defense impairment in mice through non-defensin protein. <i>Journal of Nutritional Biochemistry</i> , 2016, 35, 48-57.	1.9	24
684	Emerging Technologies for Gut Microbiome Research. <i>Trends in Microbiology</i> , 2016, 24, 887-901.	3.5	148
685	Antibiotic Use in Animal Feed and its Impact on Antibiotic Resistance in Human Pathogens. , 2016, , 145-164.		1
686	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. <i>Toxicology</i> , 2016, 371, 29-40.	2.0	39
687	Speciesâ€function relationships shape ecological properties of the human gut microbiome. <i>Nature Microbiology</i> , 2016, 1, 16088.	5.9	279
688	Interactions between gut microbes and host cells control gut barrier and metabolism. <i>International Journal of Obesity Supplements</i> , 2016, 6, S28-S31.	12.5	33
689	A High-Fat High-Sucrose Diet Rapidly Alters Muscle Integrity, Inflammation and Gut Microbiota in Male Rats. <i>Scientific Reports</i> , 2016, 6, 37278.	1.6	85
690	Adipose tissue macrophage in immune regulation of metabolism. <i>Science China Life Sciences</i> , 2016, 59, 1232-1240.	2.3	11
691	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , 2016, 5, 1162-1174.	3.0	170
692	Impact of 4-epi-oxytetracycline on the gut microbiota and blood metabolomics of Wistar rats. <i>Scientific Reports</i> , 2016, 6, 23141.	1.6	12

#	ARTICLE	IF	CITATIONS
693	Oral exposure to environmental pollutant benzo[a]pyrene impacts the intestinal epithelium and induces gut microbial shifts in murine model. <i>Scientific Reports</i> , 2016, 6, 31027.	1.6	99
694	Whey protein lowers blood pressure and improves endothelial function and lipid biomarkers in adults with prehypertension and mild hypertension: results from the chronic Whey2Go randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1534-1544.	2.2	83
695	Parental Obesity: Intergenerational Programming and Consequences. , 2016, , .		2
696	Sex differences in colonization of gut microbiota from a man with short-term vegetarian and inulin-supplemented diet in germ-free mice. <i>Scientific Reports</i> , 2016, 6, 36137.	1.6	52
697	The Gut Microbiota and Atherosclerosis: The State of the Art and Novel Perspectives. <i>Cardiovascular Innovations and Applications</i> , 2016, 1, .	0.1	3
698	Gene expression of <i>Lactobacillus plantarum</i> and the commensal microbiota in the ileum of healthy and early SIV-infected rhesus macaques. <i>Scientific Reports</i> , 2016, 6, 24723.	1.6	16
699	The digestive tract as the origin of systemic inflammation. <i>Critical Care</i> , 2016, 20, 279.	2.5	92
700	Gut microbiota-involved mechanisms in enhancing systemic exposure of ginsenosides by coexisting polysaccharides in ginseng decoction. <i>Scientific Reports</i> , 2016, 6, 22474.	1.6	132
701	Response of gut microbiota and inflammatory status to bitter melon (<i>Momordica charantia</i> L.) in high fat diet induced obese rats. <i>Journal of Ethnopharmacology</i> , 2016, 194, 717-726.	2.0	86
702	Colonic transit time is related to bacterial metabolism and mucosal turnover in the gut. <i>Nature Microbiology</i> , 2016, 1, 16093.	5.9	321
703	Gut microbiota can transfer fiber characteristics and lipid metabolic profiles of skeletal muscle from pigs to germ-free mice. <i>Scientific Reports</i> , 2016, 6, 31786.	1.6	86
704	Human gut microbiota and healthy aging: Recent developments and future prospective. <i>Nutrition and Healthy Aging</i> , 2016, 4, 3-16.	0.5	150
705	Normoxic Recovery Mimicking Treatment of Sleep Apnea Does Not Reverse Intermittent Hypoxia-Induced Bacterial Dysbiosis and Low-Grade Endotoxemia in Mice. <i>Sleep</i> , 2016, 39, 1891-1897.	0.6	70
706	Co-culture of Living Microbiome with Microengineered Human Intestinal Villi in a Gut-on-a-Chip Microfluidic Device. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	43
707	The Gut Microbiome of Pediatric Crohn's Disease Patients Differs from Healthy Controls in Genes That Can Influence the Balance Between a Healthy and Dysregulated Immune Response. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 2607-2618.	0.9	33
708	Gut microbiota in health and disease: an overview focused on metabolic inflammation. <i>Beneficial Microbes</i> , 2016, 7, 181-194.	1.0	77
709	Variable responses of human microbiomes to dietary supplementation with resistant starch. <i>Microbiome</i> , 2016, 4, 33.	4.9	269
710	Effects of Mesalamine Treatment on Gut Barrier Integrity After Burn Injury. <i>Journal of Burn Care and Research</i> , 2016, 37, 283-292.	0.2	21

#	ARTICLE	IF	CITATIONS
711	Alterations of the gut microbiome in Chinese patients with systemic lupus erythematosus. <i>Gut Pathogens</i> , 2016, 8, 64.	1.6	195
712	A method for automated pathogenic content estimation with application to rheumatoid arthritis. <i>BMC Systems Biology</i> , 2016, 10, 107.	3.0	9
713	Effect of probiotics on metabolic profiles in type 2 diabetes mellitus. <i>Medicine (United States)</i> , 2016, 95, e4088.	0.4	76
714	Microbes and Oxytocin. <i>International Review of Neurobiology</i> , 2016, 131, 91-126.	0.9	59
715	The Gut Microbiome and Obesity. <i>Current Oncology Reports</i> , 2016, 18, 45.	1.8	230
716	What's bugging your teen? The microbiota and adolescent mental health. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 70, 300-312.	2.9	44
717	The role of the gut microbiota in NAFLD. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 412-425.	8.2	728
718	Microbial Reconstitution Reverses Maternal Diet-Induced Social and Synaptic Deficits in Offspring. <i>Cell</i> , 2016, 165, 1762-1775.	13.5	840
719	New insights into therapeutic strategies for gut microbiota modulation in inflammatory diseases. <i>Clinical and Translational Immunology</i> , 2016, 5, e87.	1.7	85
720	Effects of dietary supplementation with epidermal growth factor-expressing <i>Saccharomyces cerevisiae</i> on duodenal development in weaned piglets. <i>British Journal of Nutrition</i> , 2016, 115, 1509-1520.	1.2	22
721	The Gastrointestinal Tract: an Initial Organ of Metabolic Hypertension?. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 1681-1694.	1.1	33
722	Antibiotics, obesity and the link to microbes - what are we doing to our children?. <i>BMC Medicine</i> , 2016, 14, 57.	2.3	103
723	Cloning, expression and characterization of a Î²-d-xylosidase from <i>Lactobacillus rossiae</i> DSM 15814T. <i>Microbial Cell Factories</i> , 2016, 15, 72.	1.9	24
724	Altered Microbiota Contributes to Reduced Diet-Induced Obesity upon Cold Exposure. <i>Cell Metabolism</i> , 2016, 23, 1216-1223.	7.2	274
725	Cellular Organization of Neuroimmune Interactions in the Gastrointestinal Tract. <i>Trends in Immunology</i> , 2016, 37, 487-501.	2.9	63
726	Metabolomics in epidemiology: from metabolite concentrations to integrative reaction networks. <i>International Journal of Epidemiology</i> , 2016, 45, 1319-1328.	0.9	40
727	Calcium supplementation modulates gut microbiota in a prebiotic manner in dietary obese mice. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 468-480.	1.5	77
728	Single cell transcriptome analysis of mouse carotid body glomus cells. <i>Journal of Physiology</i> , 2016, 594, 4225-4251.	1.3	90

#	ARTICLE	IF	CITATIONS
729	Data mining and knowledge discovery tools for human microbiome big data. , 2016, , .		2
730	Know your neighbor: Microbiota and host epithelial cells interact locally to control intestinal function and physiology. <i>BioEssays</i> , 2016, 38, 455-464.	1.2	63
731	Exopolysaccharides Produced by Lactic Acid Bacteria and Bifidobacteria as Fermentable Substrates by the Intestinal Microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 1440-1453.	5.4	139
732	Potential mechanisms mediating improved glycemic control after bariatric/metabolic surgery. <i>Surgery Today</i> , 2016, 46, 268-274.	0.7	8
733	Fish nutrition research: past, present and future. <i>Aquaculture International</i> , 2016, 24, 767-786.	1.1	101
734	Interaction between dietary lipids and gut microbiota regulates hepatic cholesterol metabolism. <i>Journal of Lipid Research</i> , 2016, 57, 474-481.	2.0	72
735	Functional gastrointestinal disorders and incidence of type 2 diabetes: Evidence from the E3Nâ€“EPIC cohort study. <i>Diabetes and Metabolism</i> , 2016, 42, 178-183.	1.4	9
736	The relation of saturated fatty acids with low-grade inflammation and cardiovascular disease. <i>Journal of Nutritional Biochemistry</i> , 2016, 36, 1-20.	1.9	155
737	Fecal microbiota transplantation: in perspective. <i>Therapeutic Advances in Gastroenterology</i> , 2016, 9, 229-239.	1.4	302
738	Urinary metabolomic profiling to identify biomarkers of a flavonoid-rich and flavonoid-poor fruits and vegetables diet in adults: the FLAVURS trial. <i>Metabolomics</i> , 2016, 12, 1.	1.4	28
739	The multiple-hit pathogenesis of non-alcoholic fatty liver disease (NAFLD). <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1038-1048.	1.5	1,977
740	Obesity and Cancer: The Oil that Feeds the Flame. <i>Cell Metabolism</i> , 2016, 23, 48-62.	7.2	296
741	The microbiota as a component of the celiac disease and non-celiac gluten sensitivity. <i>Clinical Nutrition Experimental</i> , 2016, 6, 17-24.	2.0	28
742	Effect of high intensity ultrasound on the fermentation profile of <i>Lactobacillus sakei</i> in a meat model system. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 539-545.	3.8	31
743	Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs. <i>Food and Function</i> , 2016, 7, 1024-1032.	2.1	31
744	Non-toxicigenic <i>Clostridium difficile</i> to prevent recurrent <i>C. difficile</i> infection. <i>Evidence-Based Medicine</i> , 2016, 21, 67-67.	0.6	2
745	Effects of whey peptide extract on the growth of probiotics and gut microbiota. <i>Journal of Functional Foods</i> , 2016, 21, 507-516.	1.6	52
746	Can We Prevent Obesity-Related Metabolic Diseases by Dietary Modulation of the Gut Microbiota?. <i>Advances in Nutrition</i> , 2016, 7, 90-101.	2.9	112

#	ARTICLE	IF	CITATIONS
747	Toward a better understanding of mechanisms of probiotics and prebiotics action in poultry species. <i>Journal of Applied Poultry Research</i> , 2016, 25, 277-283.	0.6	39
748	The dual oxidase gene <i>BdDuoX</i> regulates the intestinal bacterial community homeostasis of <i>Bactrocera dorsalis</i> . <i>ISME Journal</i> , 2016, 10, 1037-1050.	4.4	118
749	Early-life exercise may promote lasting brain and metabolic health through gut bacterial metabolites. <i>Immunology and Cell Biology</i> , 2016, 94, 151-157.	1.0	42
750	Two Healthy Diets Modulate Gut Microbial Community Improving Insulin Sensitivity in a Human Obese Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 233-242.	1.8	223
751	Building a Beneficial Microbiome from Birth. <i>Advances in Nutrition</i> , 2016, 7, 323-330.	2.9	66
752	Altered gut microbiota profile in common variable immunodeficiency associates with levels of lipopolysaccharide and markers of systemic immune activation. <i>Mucosal Immunology</i> , 2016, 9, 1455-1465.	2.7	130
753	Indigenous microbiota and Leishmaniasis. <i>Parasite Immunology</i> , 2016, 38, 37-44.	0.7	21
754	Saturated and Unsaturated Dietary Fats Differentially Modulate Ethanol-Induced Changes in Gut Microbiome and Metabolome in a Mouse Model of Alcoholic Liver Disease. <i>American Journal of Pathology</i> , 2016, 186, 765-776.	1.9	80
755	Brief Report. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 72, 114-118.	0.9	25
756	The interplay of <i>Escherichia coli</i> O157:H7 and commensal <i>E. coli</i> : the importance of strain-level identification. <i>Expert Review of Gastroenterology and Hepatology</i> , 2016, 10, 415-417.	1.4	11
757	Functional analysis of the relationship between intestinal microbiota and the expression of hepatic genes and pathways during the course of liver regeneration. <i>Journal of Hepatology</i> , 2016, 64, 641-650.	1.8	102
758	Omega-3 fatty acids prevent early-life antibiotic exposure-induced gut microbiota dysbiosis and later-life obesity. <i>International Journal of Obesity</i> , 2016, 40, 1039-1042.	1.6	53
759	Obesity, Asthma, and the Microbiome. <i>Physiology</i> , 2016, 31, 108-116.	1.6	26
760	Butyrate production from high-fiber diet protects against lymphoma tumor. <i>Leukemia and Lymphoma</i> , 2016, 57, 2401-2408.	0.6	70
761	From pathogens to microbiota: How <i>Drosophila</i> intestinal stem cells react to gut microbes. <i>Developmental and Comparative Immunology</i> , 2016, 64, 22-38.	1.0	79
762	Metabolic effects of dietary carbohydrates: The importance of food digestion. <i>Food Research International</i> , 2016, 88, 336-341.	2.9	30
763	Targeting Dysbiosis for the Treatment of Liver Disease. <i>Seminars in Liver Disease</i> , 2016, 36, 037-047.	1.8	40
764	A role for circadian clock in metabolic disease. <i>Hypertension Research</i> , 2016, 39, 483-491.	1.5	40

#	ARTICLE	IF	CITATIONS
765	Unraveling the Molecular Mechanisms Underlying the Nasopharyngeal Bacterial Community Structure. <i>MBio</i> , 2016, 7, e00009-16.	1.8	11
766	Miniature Swine for Preclinical Modeling of Complexities of Human Disease for Translational Scientific Discovery and Accelerated Development of Therapies and Medical Devices. <i>Toxicologic Pathology</i> , 2016, 44, 299-314.	0.9	73
767	Stimulation of incretin secreting cells. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2016, 7, 24-42.	1.4	76
768	Diet, microbiota, and dysbiosis: a "recipe"™ for colorectal cancer. <i>Food and Function</i> , 2016, 7, 1731-1740.	2.1	97
769	The influence of commensal bacteria on infection with enteric viruses. <i>Nature Reviews Microbiology</i> , 2016, 14, 197-204.	13.6	151
770	Wine Safety, Consumer Preference, and Human Health. , 2016, , .		13
771	Interactions Between Wine Polyphenols and Gut Microbiota. , 2016, , 259-278.		7
772	Plasticity of the brush border " the yin and yang of intestinal homeostasis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 161-174.	8.2	78
773	The Intestinal Immune System in Obesity and Insulin Resistance. <i>Cell Metabolism</i> , 2016, 23, 413-426.	7.2	355
774	Structural Characterization and Bioactivity Analysis of the Two-Component Lantibiotic Flv System from a Ruminant Bacterium. <i>Cell Chemical Biology</i> , 2016, 23, 246-256.	2.5	32
775	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2016, , 447-459.		4
776	The Host Shapes the Gut Microbiota via Fecal MicroRNA. <i>Cell Host and Microbe</i> , 2016, 19, 32-43.	5.1	570
777	Immune recognition and response to the intestinal microbiome in type 1 diabetes. <i>Journal of Autoimmunity</i> , 2016, 71, 10-18.	3.0	52
778	Gut microbiota, obesity and diabetes. <i>Postgraduate Medical Journal</i> , 2016, 92, 286-300.	0.9	377
779	Exploring the Microbiome in Heart Failure. <i>Current Heart Failure Reports</i> , 2016, 13, 103-109.	1.3	67
780	Growing up in a Bubble: Using Germ-Free Animals to Assess the Influence of the Gut Microbiota on Brain and Behavior. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw020.	1.0	419
781	Metabolomic Modeling To Monitor Host Responsiveness to Gut Microbiota Manipulation in the BTBR ^{T+tf/j</sup>} Mouse. <i>Journal of Proteome Research</i> , 2016, 15, 1143-1150.	1.8	43
782	Does the intestinal microbial community of Korean Crohn's™ disease patients differ from that of western patients?. <i>BMC Gastroenterology</i> , 2016, 16, 28.	0.8	36

#	ARTICLE	IF	CITATIONS
783	Archaeal and bacterial community dynamics and bioprocess performance of a bench-scale two-stage anaerobic digester. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6013-6033.	1.7	50
784	The phenolic acids of Agen prunes (dried plums) or Agen prune juice concentrates do not account for the protective action on bone in a rat model of postmenopausal osteoporosis. <i>Nutrition Research</i> , 2016, 36, 161-173.	1.3	13
785	Obesity and Asthma: Microbiomeâ€™Metabolome Interactions. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 609-617.	1.4	73
787	Signaling in Host-Associated Microbial Communities. <i>Cell</i> , 2016, 164, 1288-1300.	13.5	130
788	The microbiotaâ€™gutâ€™brain axis and its potential therapeutic role in autism spectrum disorder. <i>Neuroscience</i> , 2016, 324, 131-139.	1.1	194
789	Mechanisms Linking the Gut Microbiome and Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1445-1454.	1.8	163
790	Pharmacology of bile acid receptors: Evolution of bile acids from simple detergents to complex signaling molecules. <i>Pharmacological Research</i> , 2016, 104, 9-21.	3.1	181
791	Arabinoxylans, gut microbiota and immunity. <i>Carbohydrate Polymers</i> , 2016, 139, 159-166.	5.1	123
792	Visualization of microbe-dietary remnant interactions in digesta from pigs, by fluorescence in situ hybridization and staining methods; effects of a dietary arabinoxylan-rich wheat fraction. <i>Food Hydrocolloids</i> , 2016, 52, 952-962.	5.6	10
793	Bromochloromethane, a Methane Analogue, Affects the Microbiota and Metabolic Profiles of the Rat Gastrointestinal Tract. <i>Applied and Environmental Microbiology</i> , 2016, 82, 778-787.	1.4	21
794	Losing weight for a better health: Role for the gut microbiota. <i>Clinical Nutrition Experimental</i> , 2016, 6, 39-58.	2.0	28
795	High-Protein Exposure during Gestation or Lactation or after Weaning Has a Period-Specific Signature on Rat Pup Weight, Adiposity, Food Intake, and Glucose Homeostasis up to 6 Weeks of Age. <i>Journal of Nutrition</i> , 2016, 146, 21-29.	1.3	18
796	Identification of Specialists and Abundance-Occupancy Relationships among Intestinal Bacteria of <i>Aves</i> , Mammalia, and Actinopterygii. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1496-1503.	1.4	3
797	Beneficial Microbes: The pharmacy in the gut. <i>Bioengineered</i> , 2016, 7, 11-20.	1.4	77
798	A Critical Look at Prebiotics Within the Dietary Fiber Concept. <i>Annual Review of Food Science and Technology</i> , 2016, 7, 167-190.	5.1	149
799	Regulation of metabolism by the innate immune system. <i>Nature Reviews Endocrinology</i> , 2016, 12, 15-28.	4.3	502
800	The Gut Microbiome and Cirrhosis: Basic Aspects. , 2016, , 139-168.		1
801	Synthetic Ecology of Microbes: Mathematical Models and Applications. <i>Journal of Molecular Biology</i> , 2016, 428, 837-861.	2.0	198

#	ARTICLE	IF	CITATIONS
802	The gut microbiome, diet, and links to cardiometabolic and chronic disorders. <i>Nature Reviews Nephrology</i> , 2016, 12, 169-181.	4.1	258
803	Functions of innate immune cells and commensal bacteria in gut homeostasis. <i>Journal of Biochemistry</i> , 2016, 159, 141-149.	0.9	45
804	Role of the Gut Microbiome in Uremia: A Potential Therapeutic Target. <i>American Journal of Kidney Diseases</i> , 2016, 67, 483-498.	2.1	271
805	Portal Hypertension VI. , 2016, , .		27
806	Microbiome to Brain: Unravelling the Multidirectional Axes of Communication. <i>Advances in Experimental Medicine and Biology</i> , 2016, 874, 301-336.	0.8	50
807	Genetic control of obesity, glucose homeostasis, dyslipidemia and fatty liver in a mouse model of diet-induced metabolic syndrome. <i>International Journal of Obesity</i> , 2016, 40, 346-355.	1.6	21
808	Potential Benefits of Probiotics, Prebiotics, and Synbiotics on the Intestinal Microbiota of the Elderly. , 2016, , 525-538.		3
809	The Influence of CKD on Colonic Microbial Metabolism. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1389-1399.	3.0	106
810	Comparative analysis of the gastrointestinal microbial communities of bar-headed goose (<i>Anser</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 2016, 182, 59-67.	2.5	65
811	The gut microbial community in metabolic syndrome patients is modified by diet. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 27-31.	1.9	166
812	Macrophage and dendritic cell subsets in IBD: ALDH+ cells are reduced in colon tissue of patients with ulcerative colitis regardless of inflammation. <i>Mucosal Immunology</i> , 2016, 9, 171-182.	2.7	115
813	<i>Akkermansia muciniphila</i> and improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. <i>Gut</i> , 2016, 65, 426-436.	6.1	1,379
814	Type 2 Diabetes Mellitus. , 2016, , 691-714.e6.		4
815	Regulation of body fat mass by the gut microbiota: Possible mediation by the brain. <i>Peptides</i> , 2016, 77, 54-59.	1.2	20
816	<i>Camellia sinensis</i> in asymptomatic hyperuricemia: A meta-analysis of tea or tea extract effects on uric acid levels. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 391-398.	5.4	18
817	Microbiota-induced obesity requires farnesoid X receptor. <i>Gut</i> , 2017, 66, 429-437.	6.1	355
818	Effect of multi-strain probiotics (multi-strain microbial cell preparation) on glycemic control and other diabetes-related outcomes in people with type 2 diabetes: a randomized controlled trial. <i>European Journal of Nutrition</i> , 2017, 56, 1535-1550.	1.8	144
819	The role of the gastrointestinal tract and microbiota on uremic toxins and chronic kidney disease development. <i>Clinical and Experimental Nephrology</i> , 2017, 21, 7-15.	0.7	46

#	ARTICLE	IF	CITATIONS
820	The Role of the Microbial Metabolites Including Tryptophan Catabolites and Short Chain Fatty Acids in the Pathophysiology of Immune-Inflammatory and Neuroimmune Disease. <i>Molecular Neurobiology</i> , 2017, 54, 4432-4451.	1.9	191
821	The possible mechanisms of the human microbiome in allergic diseases. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017, 274, 617-626.	0.8	84
822	Endurance exercise and gut microbiota: A review. <i>Journal of Sport and Health Science</i> , 2017, 6, 179-197.	3.3	226
823	Gut microbiota, diet, and obesity-related disorders”The good, the bad, and the future challenges. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600252.	1.5	143
824	Effects of a diet high in resistant starch on fermentation end-products of protein and mucin secretion in the colons of pigs. <i>Starch/Staerke</i> , 2017, 69, 1600032.	1.1	24
825	Effects of gut microbiota on the microRNA and mRNA expression in the hippocampus of mice. <i>Behavioural Brain Research</i> , 2017, 322, 34-41.	1.2	77
826	Current views on hunter-gatherer nutrition and the evolution of the human diet. <i>American Journal of Physical Anthropology</i> , 2017, 162, 84-109.	2.1	115
827	Host-microbiota interactions: epigenomic regulation. <i>Current Opinion in Immunology</i> , 2017, 44, 52-60.	2.4	80
828	Dietary Î-cyclodextrin reduces atherosclerosis and modifies gut flora in apolipoprotein E-deficient mice. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600804.	1.5	22
829	Reverse Cholesterol Transport Is Increased in Germ-Free Mice”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 419-422.	1.1	33
830	Urinary ¹ H Nuclear Magnetic Resonance Metabolomic Fingerprinting Reveals Biomarkers of Pulse Consumption Related to Energy-Metabolism Modulation in a Subcohort from the PREDIMED study. <i>Journal of Proteome Research</i> , 2017, 16, 1483-1491.	1.8	15
831	An expanding stage for commensal microbes in host immune regulation. <i>Cellular and Molecular Immunology</i> , 2017, 14, 339-348.	4.8	35
832	Alteration of metabolomic markers of amino-acid metabolism in piglets with in-feed antibiotics. <i>Amino Acids</i> , 2017, 49, 771-781.	1.2	46
833	Engineering of the <i>Bacillus circulans</i> Î ² -Galactosidase Product Specificity. <i>Biochemistry</i> , 2017, 56, 704-711.	1.2	30
834	Effects of Acarbose on the Gut Microbiota of Prediabetic Patients: A Randomized, Double-blind, Controlled Crossover Trial. <i>Diabetes Therapy</i> , 2017, 8, 293-307.	1.2	128
835	Generation of <i>Lactobacillus plantarum</i> strains with improved potential to target gastrointestinal disorders related to sugar malabsorption. <i>Food Research International</i> , 2017, 94, 45-53.	2.9	14
836	MicroRNAs at the epicenter of intestinal homeostasis. <i>BioEssays</i> , 2017, 39, 1600200.	1.2	37
837	AISF position paper on nonalcoholic fatty liver disease (NAFLD): Updates and future directions. <i>Digestive and Liver Disease</i> , 2017, 49, 471-483.	0.4	254

#	ARTICLE	IF	CITATIONS
838	The Effect of <i>Lactobacillus</i> isolates on growth performance, immune response, intestinal bacterial community composition of growing Rex Rabbits. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, e1-e13.	1.0	32
839	Impact of nutrition on pollutant toxicity: an update with new insights into epigenetic regulation. <i>Reviews on Environmental Health</i> , 2017, 32, 65-72.	1.1	18
840	Historical Perspective on the Rise and Fall and Rise of Antibiotics and Human Weight Gain. <i>Annals of Internal Medicine</i> , 2017, 166, 133.	2.0	18
841	Effects of subchronic oral toxic metal exposure on the intestinal microbiota of mice. <i>Science Bulletin</i> , 2017, 62, 831-840.	4.3	106
842	Two biomass preparation methods provide insights into studying microbial communities of intestinal mucosa in grass carp (<i>Ctenopharyngodon idellus</i>). <i>Aquaculture Research</i> , 2017, 48, 4272-4283.	0.9	7
843	Patterns in Gut Microbiota Similarity Associated with Degree of Sociality among Sex Classes of a Neotropical Primate. <i>Microbial Ecology</i> , 2017, 74, 250-258.	1.4	70
844	Microbiome, autoimmunity, allergy, and helminth infection: The importance of the pregnancy period. <i>American Journal of Reproductive Immunology</i> , 2017, 78, e12654.	1.2	10
845	Biomedical applications of cell- and tissue-specific metabolic network models. <i>Journal of Biomedical Informatics</i> , 2017, 68, 35-49.	2.5	29
846	Effects of symbiotic bacteria on chemical sensitivity of <i>Daphnia magna</i> . <i>Marine Environmental Research</i> , 2017, 128, 70-75.	1.1	12
847	Stress during pregnancy alters temporal and spatial dynamics of the maternal and offspring microbiome in a sex-specific manner. <i>Scientific Reports</i> , 2017, 7, 44182.	1.6	183
848	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. <i>Cell Metabolism</i> , 2017, 25, 522-534.	7.2	108
849	Can lentil (<i>Lens culinaris</i> Medikus) reduce the risk of obesity?. <i>Journal of Functional Foods</i> , 2017, 38, 706-715.	1.6	17
850	Multi-Omics Reveals that Lead Exposure Disturbs Gut Microbiome Development, Key Metabolites, and Metabolic Pathways. <i>Chemical Research in Toxicology</i> , 2017, 30, 996-1005.	1.7	141
851	Application of packed-fiber solid-phase extraction coupled with GC-MS for the determination of short-chain fatty acids in children's urine. <i>Clinica Chimica Acta</i> , 2017, 468, 120-125.	0.5	39
852	Effects of tussah immunoreactive substances on growth, immunity, disease resistance against <i>Vibrio splendidus</i> and gut microbiota profile of <i>Apostichopus japonicus</i> . <i>Fish and Shellfish Immunology</i> , 2017, 63, 471-479.	1.6	24
853	Gut-Specific Delivery of T-Helper 17 Cells Reduces Obesity and Insulin Resistance in Mice. <i>Gastroenterology</i> , 2017, 152, 1998-2010.	0.6	85
854	Metabolic in Vivo Labeling Highlights Differences of Metabolically Active Microbes from the Mucosal Gastrointestinal Microbiome between High-Fat and Normal Chow Diet. <i>Journal of Proteome Research</i> , 2017, 16, 1593-1604.	1.8	26
855	From Evolutionary Advantage to Disease Agents: Forensic Reevaluation of Host-Microbe Interactions and Pathogenicity. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	7

#	ARTICLE	IF	CITATIONS
856	Moderate dietary protein restriction alters the composition of gut microbiota and improves ileal barrier function in adult pig model. <i>Scientific Reports</i> , 2017, 7, 43412.	1.6	249
857	Disease-Associated Changes in Bile Acid Profiles and Links to Altered Gut Microbiota. <i>Digestive Diseases</i> , 2017, 35, 169-177.	0.8	84
858	The Immune System in IBD: Antimicrobial Peptides. , 2017, , 75-86.		1
859	Biological Uptake, Distribution, and Depuration of Radio-Labeled Graphene in Adult Zebrafish: Effects of Graphene Size and Natural Organic Matter. <i>ACS Nano</i> , 2017, 11, 2872-2885.	7.3	98
860	Dietary fibres modulate the composition and activity of butyrate-producing bacteria in the large intestine of suckling piglets. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 687-696.	0.7	43
861	<i>C. elegans</i> and its bacterial diet as a model for systems-level understanding of host-microbiota interactions. <i>Current Opinion in Biotechnology</i> , 2017, 46, 74-80.	3.3	82
862	Citrus bergamia powder: Antioxidant, antimicrobial and anti-inflammatory properties. <i>Journal of Functional Foods</i> , 2017, 31, 255-265.	1.6	48
863	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. <i>Cell Reports</i> , 2017, 18, 1739-1750.	2.9	143
864	Human diseases, immunity and the oral microbiota—Insights gained from metagenomic studies. <i>Oral Science International</i> , 2017, 14, 27-32.	0.3	35
865	Effects of A One-week Fasting Therapy in Patients with Type-2 Diabetes Mellitus and Metabolic Syndrome — A Randomized Controlled Explorative Study. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2017, 125, 618-624.	0.6	73
866	Association of Maternal Gestational Weight Gain With the Infant Fecal Microbiota. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 65, 509-515.	0.9	16
867	Ethical Issues in Fecal Microbiota Transplantation in Practice. <i>American Journal of Bioethics</i> , 2017, 17, 34-45.	0.5	48
868	The Diverse Metabolic Roles of Peripheral Serotonin. <i>Endocrinology</i> , 2017, 158, 1049-1063.	1.4	164
869	The intestinal microbiota, energy balance, and malnutrition: emphasis on the role of short-chain fatty acids. <i>Expert Review of Endocrinology and Metabolism</i> , 2017, 12, 215-226.	1.2	30
870	Effect of high-fat diet and growth stage on the diversity and composition of intestinal microbiota in healthy bovine livestock. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 5004-5013.	1.7	16
871	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. <i>Genome Biology</i> , 2017, 18, 70.	3.8	245
872	Recent advances in smart biotechnology: Hydrogels and nanocarriers for tailored bioactive molecules depot. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 163-180.	7.0	44
873	Beneficial effects on host energy metabolism of short-chain fatty acids and vitamins produced by commensal and probiotic bacteria. <i>Microbial Cell Factories</i> , 2017, 16, 79.	1.9	581

#	ARTICLE	IF	CITATIONS
874	Comprehensive evaluation of SCFA production in the intestinal bacteria regulated by berberine using gas-chromatography combined with polymerase chain reaction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1057, 70-80.	1.2	42
875	Polysaccharides from by-products of the Wonderful and Laffan pomegranate varieties: New insight into extraction and characterization. <i>Food Chemistry</i> , 2017, 235, 58-66.	4.2	39
876	Metabolic concerns in aging HIV-infected persons. <i>Aids</i> , 2017, 31, S147-S156.	1.0	37
877	Emulating Host-Microbiome Ecosystem of Human Gastrointestinal Tract in Vitro. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 321-334.	5.6	66
878	Saccharin induced liver inflammation in mice by altering the gut microbiota and its metabolic functions. <i>Food and Chemical Toxicology</i> , 2017, 107, 530-539.	1.8	129
880	New Insights on Antiviral Probiotics. , 2017, , .		15
881	Structure of protein emulsion in food impacts intestinal microbiota, caecal luminal content composition and distal intestine characteristics in rats. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700078.	1.5	12
882	An equation-free method reveals the ecological interaction networks within complex microbial ecosystems. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1774-1785.	2.2	23
883	Temporal microbiota changes of high-protein diet intake in a rat model. <i>Anaerobe</i> , 2017, 47, 218-225.	1.0	48
884	Dipeptidyl Peptidase-4 and Adolescent Idiopathic Scoliosis: Expression in Osteoblasts. <i>Scientific Reports</i> , 2017, 7, 3173.	1.6	8
885	Impact of high-fat diet on the intestinal microbiota and small intestinal physiology before and after the onset of obesity. <i>Biochimie</i> , 2017, 141, 97-106.	1.3	196
886	Absorption and degradation of sulfated polysaccharide from pacific abalone in in vitro and in vivo models. <i>Journal of Functional Foods</i> , 2017, 35, 127-133.	1.6	30
887	Gut Microbiota and the Gut-Brain Axis: New Insights in the Pathophysiology of Metabolic Syndrome. <i>Psychosomatic Medicine</i> , 2017, 79, 874-879.	1.3	44
888	Obstacles to reducing plasma levels of uremic solutes by hemodialysis. <i>Seminars in Dialysis</i> , 2017, 30, 403-408.	0.7	8
889	Meta-analysis To Define a Core Microbiota in the Swine Gut. <i>MSystems</i> , 2017, 2, .	1.7	240
890	Fecal microbiota transplantation for gastrointestinal disorders. <i>Current Opinion in Gastroenterology</i> , 2017, 33, 8-13.	1.0	34
891	Microbiome and NAFLD: potential influence of aerobic fitness and lifestyle modification. <i>Physiological Genomics</i> , 2017, 49, 385-399.	1.0	31
892	Review of the gut microbiome and esophageal cancer: Pathogenesis and potential clinical implications. <i>Annals of Gastroenterological Surgery</i> , 2017, 1, 99-104.	1.2	94

#	ARTICLE	IF	CITATIONS
893	MetabolitePredict: A de novo human metabolomics prediction system and its applications in rheumatoid arthritis. <i>Journal of Biomedical Informatics</i> , 2017, 71, 222-228.	2.5	9
894	GPCR-Mediated Signaling of Metabolites. <i>Cell Metabolism</i> , 2017, 25, 777-796.	7.2	403
895	Impact and consequences of polyphenols and fructooligosaccharide interplay on gut microbiota in rats. <i>Food and Function</i> , 2017, 8, 1925-1932.	2.1	41
896	The Gut Microbiota and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 1-15.	1.2	624
897	Airway microbial dysbiosis in asthmatic patients: A target for prevention and treatment?. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1071-1081.	1.5	124
898	Comparative genomics of transport proteins in probiotic and pathogenic <i>Escherichia coli</i> and <i>Salmonella enterica</i> strains. <i>Microbial Pathogenesis</i> , 2017, 107, 106-115.	1.3	21
899	Radiation physiology – evidence for a higher biological effect of 24% Gy in four fractions as compared to three. <i>Acta Oncologica</i> , 2017, 56, 1240-1243.	0.8	5
900	Engineering bacterial thiosulfate and tetrathionate sensors for detecting gut inflammation. <i>Molecular Systems Biology</i> , 2017, 13, 923.	3.2	194
901	Three serum metabolite signatures for diagnosing low-grade and high-grade bladder cancer. <i>Scientific Reports</i> , 2017, 7, 46176.	1.6	44
904	Supplementation of Diet With Galacto-oligosaccharides Increases Bifidobacteria, but Not Insulin Sensitivity, in Obese Prediabetic Individuals. <i>Gastroenterology</i> , 2017, 153, 87-97.e3.	0.6	150
905	Probiotics may delay the progression of nonalcoholic fatty liver disease by restoring the gut microbiota structure and improving intestinal endotoxemia. <i>Scientific Reports</i> , 2017, 7, 45176.	1.6	201
906	Diet and Gut Microbiota in Health and Disease. <i>Nestle Nutrition Institute Workshop Series</i> , 2017, 88, 117-126.	1.5	51
907	The Human Microbiota in Health and Disease. <i>Engineering</i> , 2017, 3, 71-82.	3.2	583
908	HIV-infected persons with type 2 diabetes show evidence of endothelial dysfunction and increased inflammation. <i>BMC Infectious Diseases</i> , 2017, 17, 234.	1.3	19
909	Gut Microbiota in Cardiovascular Health and Disease. <i>Circulation Research</i> , 2017, 120, 1183-1196.	2.0	1,079
910	Primary Sclerosing Cholangitis (PSC): Current Concepts in Biology and Strategies for New Therapy. , 2017, , 183-218.		0
911	Remote Sensing Between Liver and Intestine: Importance of Microbial Metabolites. <i>Current Pharmacology Reports</i> , 2017, 3, 101-113.	1.5	49
912	Nonalcoholic Fatty Liver Disease, the Gut Microbiome, and Diet. <i>Advances in Nutrition</i> , 2017, 8, 240-252.	2.9	125

#	ARTICLE	IF	CITATIONS
913	Systems Biology of Metabolism. Annual Review of Biochemistry, 2017, 86, 245-275.	5.0	173
914	The Host Microbiome Regulates and Maintains Human Health: A Primer and Perspective for Non-Microbiologists. Cancer Research, 2017, 77, 1783-1812.	0.4	270
915	Effects of Gliadin consumption on the Intestinal Microbiota and Metabolic Homeostasis in Mice Fed a High-fat Diet. Scientific Reports, 2017, 7, 44613.	1.6	24
916	Novel Indications for Fecal Microbial Transplantation: Update and Review of the Literature. Digestive Diseases and Sciences, 2017, 62, 1131-1145.	1.1	50
917	The CB1 Receptor as the Cornerstone of Exostasis. Neuron, 2017, 93, 1252-1274.	3.8	60
918	Ageing: Lessons from <i>C. elegans</i> . Healthy Ageing and Longevity, 2017, , .	0.2	14
919	Microbiota, Probiotic Bacteria and Ageing. Healthy Ageing and Longevity, 2017, , 411-429.	0.2	3
920	A safflower oil based high-fat/high-sucrose diet modulates the gut microbiota and liver phospholipid profiles associated with early glucose intolerance in the absence of tissue inflammation. Molecular Nutrition and Food Research, 2017, 61, 1600528.	1.5	19
921	Fecal microbiota transplantation induces hepatitis B virus e-antigen (HBeAg) clearance in patients with positive HBeAg after long-term antiviral therapy. Hepatology, 2017, 65, 1765-1768.	3.6	126
922	By their own devices: invasive Argentine ants have shifted diet without clear aid from symbiotic microbes. Molecular Ecology, 2017, 26, 1608-1630.	2.0	36
923	Orally Administered Berberine Modulates Hepatic Lipid Metabolism by Altering Microbial Bile Acid Metabolism and the Intestinal FXR Signaling Pathway. Molecular Pharmacology, 2017, 91, 110-122.	1.0	142
924	B cells present skewed profile and lose the function of supporting T cell inflammation after Roux-en-Y gastric bypass. International Immunopharmacology, 2017, 43, 16-22.	1.7	16
925	Understanding the Molecular Mechanisms of the Interplay Between Herbal Medicines and Gut Microbiota. Medicinal Research Reviews, 2017, 37, 1140-1185.	5.0	241
926	Management of chronic constipation in patients with diabetes mellitus. Indian Journal of Gastroenterology, 2017, 36, 11-22.	0.7	39
927	Dietary strategies for improving iron status: balancing safety and efficacy. Nutrition Reviews, 2017, 75, 49-60.	2.6	100
928	Roles of the gut in the metabolic syndrome: an overview. Journal of Internal Medicine, 2017, 281, 319-336.	2.7	97
929	The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects. Mucosal Immunology, 2017, 10, 1279-1293.	2.7	103
930	Evaluating metabolic response to light exposure in <i>Lactobacillus</i> species via targeted metabolic profiling. Journal of Microbiological Methods, 2017, 133, 14-19.	0.7	28

#	ARTICLE	IF	CITATIONS
931	Current paradigms in the etiology of obesity. <i>Techniques in Gastrointestinal Endoscopy</i> , 2017, 19, 2-11.	0.3	37
932	Yeasts in Natural Ecosystems: Ecology. , 2017, , .		12
933	The Microbiome That Shapes Us: Can It Cause Obesity?. <i>Current Gastroenterology Reports</i> , 2017, 19, 59.	1.1	16
935	Twin Derivatization Strategy for High-Coverage Quantification of Free Fatty Acids by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 12223-12230.	3.2	72
936	Ammonia exposure alters the expression of immune-related and antioxidant enzymes-related genes and the gut microbial community of crucian carp (<i>Carassius auratus</i>). <i>Fish and Shellfish Immunology</i> , 2017, 70, 485-492.	1.6	88
937	Human microflora, probiotics and wound healing. <i>Wound Medicine</i> , 2017, 19, 33-38.	2.7	46
938	Type 2 Diabetes and Bacteremia. <i>Annals of Nutrition and Metabolism</i> , 2017, 71, 17-22.	1.0	22
940	Cereal products derived from wheat, sorghum, rice and oats alter the infant gut microbiota in vitro. <i>Scientific Reports</i> , 2017, 7, 14312.	1.6	48
942	Commensalism: The Case of the Human Zymbiome. , 2017, , 211-228.		4
943	Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes. <i>Food and Function</i> , 2017, 8, 4374-4383.	2.1	55
944	RNA-Seq Profiling of Intestinal Expression of Xenobiotic Processing Genes in Germ-Free Mice. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1225-1238.	1.7	49
945	<i>Lactobacillus rhamnosus</i> NCD17 ameliorates type-2 diabetes by improving gut function, oxidative stress and inflammation in high-fat-diet fed and streptozotocintreated rats. <i>Beneficial Microbes</i> , 2017, 8, 243-255.	1.0	85
946	Bacterial Translocation from the Gut to the Distant Organs: An Overview. <i>Annals of Nutrition and Metabolism</i> , 2017, 71, 11-16.	1.0	142
947	Comparative study of probiotic effects of <i>Lactobacillus</i> and <i>Bifidobacteria</i> strains on cholesterol levels, liver morphology and the gut microbiota in obese mice. <i>EPMA Journal</i> , 2017, 8, 357-376.	3.3	67
948	Effects of a High-Fat Diet on Adipose Tissue CD8+ T Cells in Young vs. Adult Mice. <i>Inflammation</i> , 2017, 40, 1944-1958.	1.7	9
950	Enterococci Mediate the Oviposition Preference of <i>Drosophila melanogaster</i> through Sucrose Catabolism. <i>Scientific Reports</i> , 2017, 7, 13420.	1.6	29
951	A hospital-to-home evaluation of an enhanced recovery protocol for elective pancreaticoduodenectomy in China. <i>Medicine (United States)</i> , 2017, 96, e8206.	0.4	7
952	Physiological linkage of gender, bioavailable hydroxytyrosol derivatives, and their metabolites with systemic catecholamine metabolism. <i>Food and Function</i> , 2017, 8, 4570-4581.	2.1	12

#	ARTICLE	IF	CITATIONS
953	Macrophages in Nonalcoholic Fatty Liver Disease: A Role Model of Pathogenic Immunometabolism. <i>Seminars in Liver Disease</i> , 2017, 37, 189-197.	1.8	48
954	The Effects of an Environmentally Relevant Level of Arsenic on the Gut Microbiome and Its Functional Metagenome. <i>Toxicological Sciences</i> , 2017, 160, 193-204.	1.4	101
955	Probiotics modulate gut microbiota and improve insulin sensitivity in DIO mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 50, 16-25.	1.9	193
956	Do bacteria shape our development? Crosstalk between intestinal microbiota and HPA axis. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 458-471.	2.9	144
957	2. Grundlagen. , 2017, , .		0
958	Regulation of Inflammatory Signaling in Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017, , .	0.8	7
959	Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population. <i>Scientific Reports</i> , 2017, 7, 11789.	1.6	181
960	Microbial Factors in Inflammatory Diseases and Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1024, 153-174.	0.8	20
961	A review of the relationship between the gut microbiota and amino acid metabolism. <i>Amino Acids</i> , 2017, 49, 2083-2090.	1.2	227
963	Soluble Dietary Fiber Reduces Trimethylamine Metabolism via Gut Microbiota and Coâ€Regulates Host AMPK Pathways. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700473.	1.5	51
964	Health relevance of the modification of low grade inflammation in ageing (inflammageing) and the role of nutrition. <i>Ageing Research Reviews</i> , 2017, 40, 95-119.	5.0	337
965	How fucose of blood group glycotypes programs human gut microbiota. <i>Biochemistry (Moscow)</i> , 2017, 82, 973-989.	0.7	6
966	Lifestyle alters GUT-bacteria function: Linking immune response and host. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2017, 31, 625-635.	1.0	13
967	The Hibernator Microbiome: Host-Bacterial Interactions in an Extreme Nutritional Symbiosis. <i>Annual Review of Nutrition</i> , 2017, 37, 477-500.	4.3	58
968	Gut microbiota may predict host divergence time during Glires evolution. <i>FEMS Microbiology Ecology</i> , 2017, 93, fix009.	1.3	30
969	Reproducibility of studies with genetically modified mice. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1883-1884.	1.9	3
970	Gut microbiome diversity influenced more by the Westernized dietary regime than the body mass index as assessed using effect size statistic. <i>MicrobiologyOpen</i> , 2017, 6, e00476.	1.2	46
971	Evolution, human-microbe interactions, and life history plasticity. <i>Lancet, The</i> , 2017, 390, 521-530.	6.3	178

#	ARTICLE	IF	CITATIONS
972	Interleukin-15 in obesity and metabolic dysfunction: current understanding and future perspectives. <i>Obesity Reviews</i> , 2017, 18, 1147-1158.	3.1	33
973	Composition and abundance of microbiota in the pharynx in patients with laryngeal carcinoma and vocal cord polyps. <i>Journal of Microbiology</i> , 2017, 55, 648-654.	1.3	21
974	10-oxo-12(13)-octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, enhances energy metabolism by activation of TRPV1. <i>FASEB Journal</i> , 2017, 31, 5036-5048.	0.2	65
975	Association Between Gut Microbiota and Bone Health: Potential Mechanisms and Prospective. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3635-3646.	1.8	103
976	Short-chain fatty acids and inulin, but not guar gum, prevent diet-induced obesity and insulin resistance through differential mechanisms in mice. <i>Scientific Reports</i> , 2017, 7, 6109.	1.6	158
977	Bacteriophages as potential new mammalian pathogens. <i>Scientific Reports</i> , 2017, 7, 7043.	1.6	94
978	Dissection of the module network implementation "LemonTree" enhancements towards applications in metagenomics and translation in autoimmune maladies. <i>Molecular BioSystems</i> , 2017, 13, 2083-2091.	2.9	6
979	Primary sclerosing cholangitis " a comprehensive review. <i>Journal of Hepatology</i> , 2017, 67, 1298-1323.	1.8	538
980	Adherence to the Mediterranean diet is associated with the gut microbiota pattern and gastrointestinal characteristics in an adult population. <i>British Journal of Nutrition</i> , 2017, 117, 1645-1655.	1.2	221
981	Gastrointestinal microbial population of turkey (<i>Meleagris gallopavo</i>) affected by hemorrhagic enteritis virus. <i>Poultry Science</i> , 2017, 96, 3550-3558.	1.5	21
982	Gut microbiota trajectory in patients with severe burn: A time series study. <i>Journal of Critical Care</i> , 2017, 42, 310-316.	1.0	25
983	Icariin combined with snailase shows improved intestinal hydrolysis and absorption in osteoporosis rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 1048-1056.	2.5	14
984	Chardonnay grape seed flour supplemented diets alter intestinal microbiota in diet-induced obese mice. <i>Journal of Food Biochemistry</i> , 2017, 41, e12396.	1.2	21
985	Gut Microbiota: A New Marker of Cardiovascular Disease. <i>Current Pharmaceutical Design</i> , 2017, 23, 3233-3238.	0.9	25
986	Antibiotics-Induced Obesity: A Mitochondrial Perspective. <i>Public Health Genomics</i> , 2017, 20, 257-273.	0.6	16
987	Exploring the microbiome in health and disease. <i>Toxicology Research and Application</i> , 2017, 1, 239784731774188.	0.7	36
988	Changes in the gut microbiota composition and the plasma ghrelin level in patients with <i>Helicobacter pylori</i> -infected patients with eradication therapy. <i>BMJ Open Gastroenterology</i> , 2017, 4, e000182.	1.1	49
989	Cecal microbiome divergence of broiler chickens by sex and body weight. <i>Journal of Microbiology</i> , 2017, 55, 939-945.	1.3	69

#	ARTICLE	IF	CITATIONS
990	Correlations between gut microbiota community structures of Tibetans and geography. <i>Scientific Reports</i> , 2017, 7, 16982.	1.6	65
991	Direct PCR Offers a Fast and Reliable Alternative to Conventional DNA Isolation Methods for Gut Microbiomes. <i>MSystems</i> , 2017, 2, .	1.7	26
992	Changes of gut microbiota structure and morphology in weaned piglets treated with fresh fermented soybean meal. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 213.	1.7	29
993	The dopamine motive system: implications for drug and food addiction. <i>Nature Reviews Neuroscience</i> , 2017, 18, 741-752.	4.9	658
994	Dietary Impacts on the Composition of Microbiota in Human Health and Disease. , 2017, , 377-404.		0
995	Eosinophilic esophagitis. The North against the South? A bio-economic-social mechanistic approach and clinical implications. <i>Revista De GastroenterologÁa De MÃ©xico (English Edition)</i> , 2017, 82, 328-336.	0.1	3
996	Dietary changes in nutritional studies shape the structural and functional composition of the pigsâ€™ fecal microbiomeâ€™ from days to weeks. <i>Microbiome</i> , 2017, 5, 144.	4.9	66
997	Obesity and microbiota: an example of an intricate relationship. <i>Genes and Nutrition</i> , 2017, 12, 18.	1.2	86
998	Fatty acid composition and phospholipid types used in infant formulas modifies the establishment of human gut bacteria in germ-free mice. <i>Scientific Reports</i> , 2017, 7, 3975.	1.6	69
999	The gut eukaryotic microbiota influences the growth performance among cohabitating shrimp. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6447-6457.	1.7	77
1000	The gut microbiome and liver cancer: mechanisms and clinical translation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 527-539.	8.2	401
1001	Inflammasomes on the Crossroads of Innate Immune Recognition and Metabolic Control. <i>Cell Metabolism</i> , 2017, 26, 71-93.	7.2	223
1002	The microbiota and autoimmunity: Their role in thyroid autoimmune diseases. <i>Clinical Immunology</i> , 2017, 183, 63-74.	1.4	91
1003	La esofagitis eosinofÃlica. Â¿El Norte contra el Sur? Enfoque mecanicista bio-econÃmico-social e implicaciones clÃnicas. <i>Revista De GastroenterologÁa De MÃ©xico</i> , 2017, 82, 328-336.	0.4	9
1004	Yeasts Harbored by Vespine Wasps in the Pacific Northwest. <i>Environmental Entomology</i> , 2017, 46, 217-225.	0.7	17
1005	Eating Disorders and the Intestinal Microbiota: Mechanisms of Energy Homeostasis and Behavioral Influence. <i>Current Psychiatry Reports</i> , 2017, 19, 51.	2.1	51
1006	Depressed gut? The microbiota-diet-inflammation triologue in depression. <i>Current Opinion in Psychiatry</i> , 2017, 30, 369-377.	3.1	94
1007	Microbiota-dependent metabolite and cardiovascular disease marker trimethylamine-N-oxide (TMAO) is associated with monocyte activation but not platelet function in untreated HIV infection. <i>BMC Infectious Diseases</i> , 2017, 17, 445.	1.3	30

#	ARTICLE	IF	CITATIONS
1008	Deficiency in plasmacytoid dendritic cells and type I interferon signalling prevents diet-induced obesity and insulin resistance in mice. <i>Diabetologia</i> , 2017, 60, 2033-2041.	2.9	53
1009	Clock Genes, Metabolism, and Cardiovascular Risk. <i>Heart Failure Clinics</i> , 2017, 13, 645-655.	1.0	25
1010	Early-Life Diet Affects Host Microbiota and Later-Life Defenses Against Parasites in Frogs. <i>Integrative and Comparative Biology</i> , 2017, 57, 732-742.	0.9	44
1011	Hypertension-Linked Pathophysiological Alterations in the Gut. <i>Circulation Research</i> , 2017, 120, 312-323.	2.0	374
1012	Sex-specific modulation of the gut microbiome and behavior in Siberian hamsters. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 51-62.	2.0	59
1013	Environmental spread of microbes impacts the development of metabolic phenotypes in mice transplanted with microbial communities from humans. <i>ISME Journal</i> , 2017, 11, 676-690.	4.4	63
1014	From obesity through immunity to type 2 diabetes mellitus. <i>International Journal of Diabetes in Developing Countries</i> , 2017, 37, 407-418.	0.3	5
1015	Towards a multidisciplinary approach to understand and manage obesity and related diseases. <i>Clinical Nutrition</i> , 2017, 36, 917-938.	2.3	141
1016	Effects of long-term <i>Bacillus subtilis</i> CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens. <i>Poultry Science</i> , 2017, 96, 1280-1289.	1.5	45
1017	Detrimental effect of systemic antimicrobial $\text{CD}4^+$ T cell reactivity on gut epithelial integrity. <i>Immunology</i> , 2017, 150, 221-235.	2.0	4
1018	Novel encapsulation improves recovery of probiotic strains in fecal samples of human volunteers. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1419-1425.	1.7	19
1019	Mediterranean diet and nonalcoholic fatty liver disease: molecular mechanisms of protection. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 18-27.	1.3	69
1020	Communicating systems in the body: how microbiota and microglia cooperate. <i>Immunology</i> , 2017, 150, 7-15.	2.0	130
1021	The microbial epigenome in metabolic syndrome. <i>Molecular Aspects of Medicine</i> , 2017, 54, 71-77.	2.7	26
1022	Physiological and molecular responses to bariatric surgery: markers or mechanisms underlying T2DM resolution?. <i>Annals of the New York Academy of Sciences</i> , 2017, 1391, 5-19.	1.8	17
1023	Parasites, microbiota and metabolic disease. <i>Parasite Immunology</i> , 2017, 39, e12390.	0.7	13
1024	Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations. <i>European Journal of Nutrition</i> , 2017, 56, 2193-2206.	1.8	27
1025	Probiotics modulate gut microbiota and health status in Japanese cedar pollinosis patients during the pollen season. <i>European Journal of Nutrition</i> , 2017, 56, 2245-2253.	1.8	43

#	ARTICLE	IF	CITATIONS
1026	Life history and eco-evolutionary dynamics in light of the gut microbiota. <i>Oikos</i> , 2017, 126, 508-531.	1.2	139
1027	Dietary fucoidan improves metabolic syndrome in association with increased <i>Akkermansia</i> population in the gut microbiota of high-fat diet-fed mice. <i>Journal of Functional Foods</i> , 2017, 28, 138-146.	1.6	207
1028	The role of microbiota in compensatory growth of protein-restricted rats. <i>Microbial Biotechnology</i> , 2017, 10, 480-491.	2.0	16
1029	Human gut microbiota: the links with dementia development. <i>Protein and Cell</i> , 2017, 8, 90-102.	4.8	199
1030	Emerging Concepts Linking Obesity with the Hallmarks of Cancer. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 46-62.	3.1	106
1031	Antimicrobial growth promoter use in livestock: a requirement to understand their modes of action to develop effective alternatives. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 12-24.	1.1	147
1033	Gut region influences the diversity and interactions of bacterial communities in pikas (<i>Ochotona</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.3	28
1034	Gut Microbiota in Obesity and Metabolic Abnormalities: A Matter of Composition or Functionality?. <i>Archives of Medical Research</i> , 2017, 48, 735-753.	1.5	59
1035	Fish oil affects the metabolic process of trimethylamine N-oxide precursor through trimethylamine production and flavin-containing monooxygenase activity in male C57BL/6 mice. <i>RSC Advances</i> , 2017, 7, 56655-56661.	1.7	15
1036	Functional heterogeneity of gut-resident regulatory T cells. <i>Clinical and Translational Immunology</i> , 2017, 6, e156.	1.7	58
1037	The Microbiome in Primary Sclerosing Cholangitis: Current Evidence and Potential Concepts. <i>Seminars in Liver Disease</i> , 2017, 37, 314-331.	1.8	52
1038	Amino acid supplements and metabolic health: a potential interplay between intestinal microbiota and systems control. <i>Genes and Nutrition</i> , 2017, 12, 27.	1.2	40
1039	5. Endogene Mechanismen. , 2017, , 96-126.		0
1041	The Importance of Endophenotypes to Evaluate the Relationship between Genotype and External Phenotype. <i>International Journal of Molecular Sciences</i> , 2017, 18, 472.	1.8	23
1042	System Pharmacology-Based Dissection of the Synergistic Mechanism of Huangqi and Huanglian for Diabetes Mellitus. <i>Frontiers in Pharmacology</i> , 2017, 8, 694.	1.6	128
1043	Gut Microbiome Response to Sucralose and Its Potential Role in Inducing Liver Inflammation in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 487.	1.3	184
1044	Links between Dietary Protein Sources, the Gut Microbiota, and Obesity. <i>Frontiers in Physiology</i> , 2017, 8, 1047.	1.3	83
1045	The Scope of Big Data in One Medicine: Unprecedented Opportunities and Challenges. <i>Frontiers in Veterinary Science</i> , 2017, 4, 194.	0.9	55

#	ARTICLE	IF	CITATIONS
1046	Potential mechanisms linking probiotics to diabetes: a narrative review of the literature. Sao Paulo Medical Journal, 2017, 135, 169-178.	0.4	42
1047	Does Nutrition Matter in Liver Disease?. , 2017, , 743-759.		2
1048	Identification of the Microbiota in the Aging Process. , 2017, , 37-56.		3
1049	Deviation of the Fecal Stream in Colonic Bowel Segments Results in Increased Numbers of Isolated Lymphoid Follicles in the Submucosal Compartment in a Novel Murine Model of Diversion Colitis. BioMed Research International, 2017, 2017, 1-10.	0.9	7
1050	The Gut Microbiome Feelings of the Brain: A Perspective for Non-Microbiologists. Microorganisms, 2017, 5, 66.	1.6	71
1051	In Vitro Study of the Metabolic Characteristics of Eight Isoquinoline Alkaloids from Natural Plants in Rat Gut Microbiota. Molecules, 2017, 22, 932.	1.7	23
1052	Pharmacokinetics, Tissue Distribution, and Elimination of Three Active Alkaloids in Rats after Oral Administration of the Effective Fraction of Alkaloids from Ramulus Mori, an Innovative Hypoglycemic Agent. Molecules, 2017, 22, 1616.	1.7	15
1053	Pharmabiotics as an Emerging Medication for Metabolic Syndrome and Its Related Diseases. Molecules, 2017, 22, 1795.	1.7	21
1054	Bridging the Gap between Gut Microbial Dysbiosis and Cardiovascular Diseases. Nutrients, 2017, 9, 859.	1.7	132
1055	Fatty Acids Consumption: The Role Metabolic Aspects Involved in Obesity and Its Associated Disorders. Nutrients, 2017, 9, 1158.	1.7	162
1056	Integrated Immunomodulatory Mechanisms through which Long-Chain n-3 Polyunsaturated Fatty Acids Attenuate Obese Adipose Tissue Dysfunction. Nutrients, 2017, 9, 1289.	1.7	28
1057	p-Cresyl Sulfate. Toxins, 2017, 9, 52.	1.5	262
1058	Walleye Autochthonous Bacteria as Promising Probiotic Candidates against Flavobacterium columnare. Frontiers in Microbiology, 2017, 8, 1349.	1.5	28
1059	The Gut Microbiota and Autism Spectrum Disorders. Frontiers in Cellular Neuroscience, 2017, 11, 120.	1.8	311
1060	Houttuynia cordata Facilitates Metformin on Ameliorating Insulin Resistance Associated with Gut Microbiota Alteration in OLETF Rats. Genes, 2017, 8, 239.	1.0	39
1061	Effects of Antidiabetic Drugs on Gut Microbiota Composition. Genes, 2017, 8, 250.	1.0	104
1062	Ephedra-Treated Donor-Derived Gut Microbiota Transplantation Ameliorates High Fat Diet-Induced Obesity in Rats. International Journal of Environmental Research and Public Health, 2017, 14, 555.	1.2	28
1063	The Intestinal Eukaryotic and Bacterial Biome of Spotted Hyenas: The Impact of Social Status and Age on Diversity and Composition. Frontiers in Cellular and Infection Microbiology, 2017, 7, 262.	1.8	34

#	ARTICLE	IF	CITATIONS
1064	Connection of Nicotine to Diet-Induced Obesity and Non-Alcoholic Fatty Liver Disease: Cellular and Mechanistic Insights. <i>Frontiers in Endocrinology</i> , 2017, 8, 23.	1.5	37
1065	Regulation of Mammalian Physiology by Interconnected Circadian and Feeding Rhythms. <i>Frontiers in Endocrinology</i> , 2017, 8, 42.	1.5	33
1066	Free Fatty Acids Profiles Are Related to Gut Microbiota Signatures and Short-Chain Fatty Acids. <i>Frontiers in Immunology</i> , 2017, 8, 823.	2.2	75
1067	Detection of Increased Plasma Interleukin-6 Levels and Prevalence of <i>Prevotella copri</i> and <i>Bacteroides vulgatus</i> in the Feces of Type 2 Diabetes Patients. <i>Frontiers in Immunology</i> , 2017, 8, 1107.	2.2	113
1068	Dysbiosis of Gut Microbiota Associated with Clinical Parameters in Polycystic Ovary Syndrome. <i>Frontiers in Microbiology</i> , 2017, 8, 324.	1.5	224
1069	Different Types of Dietary Fibers Trigger Specific Alterations in Composition and Predicted Functions of Colonic Bacterial Communities in BALB/c Mice. <i>Frontiers in Microbiology</i> , 2017, 8, 966.	1.5	47
1070	Preparing the Gut with Antibiotics Enhances Gut Microbiota Reprogramming Efficiency by Promoting Xenomicrobiota Colonization. <i>Frontiers in Microbiology</i> , 2017, 8, 1208.	1.5	75
1071	Metagenomic Analysis of Cecal Microbiome Identified Microbiota and Functional Capacities Associated with Feed Efficiency in Landrace Finishing Pigs. <i>Frontiers in Microbiology</i> , 2017, 8, 1546.	1.5	80
1072	Microbiota-Derived Extracellular Vesicles as New Systemic Regulators. <i>Frontiers in Microbiology</i> , 2017, 8, 1610.	1.5	96
1073	Role of Gut Microbiota on Cardio-Metabolic Parameters and Immunity in Coronary Artery Disease Patients with and without Type-2 Diabetes Mellitus. <i>Frontiers in Microbiology</i> , 2017, 8, 1936.	1.5	77
1074	Diet, Environments, and Gut Microbiota. A Preliminary Investigation in Children Living in Rural and Urban Burkina Faso and Italy. <i>Frontiers in Microbiology</i> , 2017, 8, 1979.	1.5	222
1075	Prebiotic and Synbiotic Modifications of Beta Oxidation and Lipogenic Gene Expression after Experimental Hypercholesterolemia in Rat Liver. <i>Frontiers in Microbiology</i> , 2017, 8, 2010.	1.5	33
1076	Antibiotic-Induced Alterations in Gut Microbiota Are Associated with Changes in Glucose Metabolism in Healthy Mice. <i>Frontiers in Microbiology</i> , 2017, 8, 2306.	1.5	103
1077	Gut Microbiota: A Potential Regulator of Neurodevelopment. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 25.	1.8	120
1078	EGCG Prevents High Fat Diet-Induced Changes in Gut Microbiota, Decreases of DNA Strand Breaks, and Changes in Expression and DNA Methylation of <i>Dnmt1</i> and <i>MLH1</i> in C57BL/6J Male Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-17.	1.9	79
1079	Association Study of Gut Flora in Coronary Heart Disease through High-Throughput Sequencing. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	90
1080	Dahuang Zexie Decoction Protects against High-Fat Diet-Induced NAFLD by Modulating Gut Microbiota-Mediated Toll-Like Receptor 4 Signaling Activation and Loss of Intestinal Barrier. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-13.	0.5	17
1081	New Insights into the Mechanisms of Chinese Herbal Products on Diabetes: A Focus on the Bacteria-Mucosal Immunity-Inflammation-Diabetes Axis. <i>Journal of Immunology Research</i> , 2017, 2017, 1-13.	0.9	37

#	ARTICLE	IF	CITATIONS
1082	Nonalcoholic fatty liver disease: Evolving paradigms. <i>World Journal of Gastroenterology</i> , 2017, 23, 6571-6592.	1.4	138
1083	Gut Fermentation of Dietary Fibres: Physico-Chemistry of Plant Cell Walls and Implications for Health. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2203.	1.8	165
1084	Olive oil bioactives protect pigs against experimentally-induced chronic inflammation independently of alterations in gut microbiota. <i>PLoS ONE</i> , 2017, 12, e0174239.	1.1	35
1085	Maternal treatment with short-chain fatty acids modulates the intestinal microbiota and immunity and ameliorates type 1 diabetes in the offspring. <i>PLoS ONE</i> , 2017, 12, e0183786.	1.1	46
1086	Obesogenic diet-induced gut barrier dysfunction and pathobiont expansion aggravate experimental colitis. <i>PLoS ONE</i> , 2017, 12, e0187515.	1.1	71
1087	Intestinal microbiota profiles associated with low and high residual feed intake in chickens across two geographical locations. <i>PLoS ONE</i> , 2017, 12, e0187766.	1.1	73
1088	Gene expression profiling of the mouse gut: Effect of intestinal flora on intestinal health. <i>Molecular Medicine Reports</i> , 2018, 17, 3667-3673.	1.1	5
1090	Microbiota in anorexia nervosa: The triangle between bacterial species, metabolites and psychological tests. <i>PLoS ONE</i> , 2017, 12, e0179739.	1.1	187
1091	Advanced glycation end products dietary restriction effects on bacterial gut microbiota in peritoneal dialysis patients; a randomized open label controlled trial. <i>PLoS ONE</i> , 2017, 12, e0184789.	1.1	107
1092	Habitat and indigenous gut microbes contribute to the plasticity of gut microbiome in oriental river prawn during rapid environmental change. <i>PLoS ONE</i> , 2017, 12, e0181427.	1.1	67
1093	Bile acid is a significant host factor shaping the gut microbiome of diet-induced obese mice. <i>BMC Biology</i> , 2017, 15, 120.	1.7	208
1094	Perilipin-2 modulates dietary fat-induced microbial global gene expression profiles in the mouse intestine. <i>Microbiome</i> , 2017, 5, 117.	4.9	17
1095	Impact of prematurity and nutrition on the developing gut microbiome and preterm infant growth. <i>Microbiome</i> , 2017, 5, 158.	4.9	115
1096	Modulation of the gut microbiota by prebiotic fibres and bacteriocins. <i>Microbial Ecology in Health and Disease</i> , 2017, 28, 1348886.	3.8	78
1097	Potential Molecular Mechanism of Probiotics in Alcoholic Liver Disease. <i>Journal of Alcoholism and Drug Dependence</i> , 2017, 05, .	0.2	4
1098	Gut microbial diversity analysis using Illumina sequencing for functional dyspepsia with liver depression-spleen deficiency syndrome and the interventional Xiaoyaosan in a rat model. <i>World Journal of Gastroenterology</i> , 2017, 23, 810.	1.4	38
1099	ZiBuPiYin recipe improves cognitive decline by regulating gut microbiota in Zucker diabetic fatty rats. <i>Oncotarget</i> , 2017, 8, 27693-27703.	0.8	24
1100	The Importance of Being Eubiotic. <i>Journal of Probiotics & Health</i> , 2017, 05, .	0.6	6

#	ARTICLE	IF	CITATIONS
1101	Impact of Nutrition on Healthy Aging. , 2017, , 3-10.		1
1102	Gut microbiota and obesity: implications for fecal microbiota transplantation therapy. <i>Hormones</i> , 2017, 16, 223-234.	0.9	47
1103	Eubiotic properties of rifaximin: Disruption of the traditional concepts in gut microbiota modulation. <i>World Journal of Gastroenterology</i> , 2017, 23, 4491.	1.4	118
1104	Overview of Clostridium difficile Infection: Life Cycle, Epidemiology, Antimicrobial Resistance and Treatment. , 0, , .		9
1105	Effect on the Host Metabolism. , 2017, , 249-253.		2
1106	Intestinal Microbiota, Nonalcoholic Steatohepatitis and Hepatocellular Carcinoma: The Potential Role of Dysbiosis in the Hepatocarcinogenesis. , 0, , .		0
1107	Response of Intestinal Bacterial Flora to the Long-term Feeding of Aflatoxin B1 (AFB1) in Mice. <i>Toxins</i> , 2017, 9, 317.	1.5	32
1108	The Influence of Microbiota on Mechanisms of Bariatric Surgery. , 2017, , 267-281.		3
1109	Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier. <i>World Journal of Gastroenterology</i> , 2017, 23, 60.	1.4	288
1110	The Impact of Exclusive Enteral Nutrition (EEN) on the Gut Microbiome in Crohn's Disease: A Review. <i>Nutrients</i> , 2017, 9, 0447.	1.7	84
1111	Structural shift of gut microbiota during chemo-preventive effects of epigallocatechin gallate on colorectal carcinogenesis in mice. <i>World Journal of Gastroenterology</i> , 2017, 23, 8128-8139.	1.4	46
1112	Rethinking the bile acid/gut microbiome axis in cancer. <i>Oncotarget</i> , 2017, 8, 115736-115747.	0.8	34
1113	Galectin-9 Is Critical for Mucosal Adaptive Immunity through the T Helper 17-IgA Axis. <i>American Journal of Pathology</i> , 2018, 188, 1225-1235.	1.9	7
1114	Freeze-dried alginate-silica microparticles as carriers of probiotic bacteria in apple juice and beer. <i>LWT - Food Science and Technology</i> , 2018, 91, 175-179.	2.5	27
1115	Specific synbiotics in early life protect against diet-induced obesity in adult mice. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1408-1418.	2.2	45
1116	Fuzhuan Brick Tea Polysaccharides Attenuate Metabolic Syndrome in High-Fat Diet Induced Mice in Association with Modulation in the Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2783-2795.	2.4	166
1117	Dietary nutrition and gut microflora: A promising target for treating diseases. <i>Trends in Food Science and Technology</i> , 2018, 75, 72-80.	7.8	75
1118	Mind-altering with the gut: Modulation of the gut-brain axis with probiotics. <i>Journal of Microbiology</i> , 2018, 56, 172-182.	1.3	133

#	ARTICLE	IF	CITATIONS
1119	Xiexin Tang improves the symptom of type 2 diabetic rats by modulation of the gut microbiota. <i>Scientific Reports</i> , 2018, 8, 3685.	1.6	173
1120	Intestinal microbiota and the immune system in metabolic diseases. <i>Journal of Microbiology</i> , 2018, 56, 154-162.	1.3	80
1121	A systems biology approach to predict and characterize human gut microbial metabolites in colorectal cancer. <i>Scientific Reports</i> , 2018, 8, 6225.	1.6	14
1122	Vascular Cognitive Impairment and the Gut Microbiota. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 1209-1222.	1.2	27
1123	Gut Microbiota: From Microorganisms to Metabolic Organ Influencing Obesity. <i>Obesity</i> , 2018, 26, 801-809.	1.5	110
1124	Changes in intestinal microbiota across an altitudinal gradient in the lizard <i>Phrynocephalus vlangalii</i> . <i>Ecology and Evolution</i> , 2018, 8, 4695-4703.	0.8	51
1125	Comparative analyses of the gut microbiota among three different wild geese species in the genus <i>Anser</i> . <i>Journal of Basic Microbiology</i> , 2018, 58, 543-553.	1.8	10
1126	Disruptions in gut microbial-host co-metabolism and the development of metabolic disorders. <i>Clinical Science</i> , 2018, 132, 791-811.	1.8	32
1127	The human gut microbiota: Metabolism and perspective in obesity. <i>Gut Microbes</i> , 2018, 9, 1-18.	4.3	304
1128	ABO Genotype Does Not Modify the Association between the Blood-Type-Diet and Biomarkers of Cardiometabolic Disease in Overweight Adults. <i>Journal of Nutrition</i> , 2018, 148, 518-525.	1.3	1
1129	Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice. <i>MicrobiologyOpen</i> , 2018, 7, e00612.	1.2	57
1130	Connection Between BMI-Related Plasma Metabolite Profile and Gut Microbiota. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 1491-1501.	1.8	163
1131	Yeast culture dietary supplementation modulates gut microbiota, growth and biochemical parameters of grass carp. <i>Microbial Biotechnology</i> , 2018, 11, 551-565.	2.0	36
1132	Helminth infection in mice improves insulin sensitivity via modulation of gut microbiota and fatty acid metabolism. <i>Pharmacological Research</i> , 2018, 132, 33-46.	3.1	38
1133	Microbiome and Gut Dysbiosis. <i>Experientia Supplementum (2012)</i> , 2018, 109, 459-476.	0.5	121
1134	Interaction of genotype and diet on small intestine microbiota of Japanese quail fed a cholesterol enriched diet. <i>Scientific Reports</i> , 2018, 8, 2381.	1.6	14
1135	Dietary L-glutamine supplementation improves growth performance, gut morphology, and serum biochemical indices of broiler chickens during necrotic enteritis challenge. <i>Poultry Science</i> , 2018, 97, 1334-1341.	1.5	50
1136	Metaorganisms in extreme environments: do microbes play a role in organismal adaptation?. <i>Zoology</i> , 2018, 127, 1-19.	0.6	194

#	ARTICLE	IF	CITATIONS
1137	Targeting the Microbiota, From Irritable Bowel Syndrome to Mood Disorders: Focus on Probiotics and Prebiotics. <i>Current Pathobiology Reports</i> , 2018, 6, 1-13.	1.6	32
1138	A potential relationship between gut microbes and atrial fibrillation: Trimethylamine N-oxide, a gut microbe-derived metabolite, facilitates the progression of atrial fibrillation. <i>International Journal of Cardiology</i> , 2018, 255, 92-98.	0.8	85
1139	Gut microbiome and depression: what we know and what we need to know. <i>Reviews in the Neurosciences</i> , 2018, 29, 629-643.	1.4	219
1140	Time for food: The impact of diet on gut microbiota and human health. <i>Nutrition</i> , 2018, 51-52, 80-85.	1.1	94
1141	Cervicovaginal Microbiota and Reproductive Health: The Virtue of Simplicity. <i>Cell Host and Microbe</i> , 2018, 23, 159-168.	5.1	182
1142	Digestibility of sulfated polysaccharide from the brown seaweed <i>Ascophyllum nodosum</i> and its effect on the human gut microbiota in vitro. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 1055-1061.	3.6	94
1143	Comparative metaproteomics analysis shows altered fecal microbiota signatures in patients with major depressive disorder. <i>NeuroReport</i> , 2018, 29, 417-425.	0.6	126
1144	<i>Saccharomyces cerevisiae</i> -based probiotic as novel anti-fungal and anti-inflammatory agent for therapy of vaginal candidiasis. <i>Beneficial Microbes</i> , 2018, 9, 219-230.	1.0	29
1145	Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice. <i>Food and Function</i> , 2018, 9, 1612-1620.	2.1	70
1146	Clinical Relevance of Gastrointestinal Microbiota During Pregnancy: A Primer for Nurses. <i>Biological Research for Nursing</i> , 2018, 20, 84-102.	1.0	9
1148	Microbiota Signaling Pathways that Influence Neurologic Disease. <i>Neurotherapeutics</i> , 2018, 15, 135-145.	2.1	127
1149	Kudingcha and Fuzhuan Brick Tea Prevent Obesity and Modulate Gut Microbiota in High-Fat Diet Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700485.	1.5	161
1150	Microbiota regulate the development and function of the immune cells. <i>International Reviews of Immunology</i> , 2018, 37, 79-89.	1.5	19
1151	Subjective satiety and plasma PYY concentration after wholemeal pasta. <i>Appetite</i> , 2018, 125, 172-181.	1.8	21
1152	Obesity and Pancreatic Cancer. <i>Pancreas</i> , 2018, 47, 158-162.	0.5	87
1153	Microbial regulation of the L cell transcriptome. <i>Scientific Reports</i> , 2018, 8, 1207.	1.6	52
1154	Dysregulation of Intestinal Health by Environmental Pollutants: Involvement of the Estrogen Receptor and Aryl Hydrocarbon Receptor. <i>Environmental Science & Technology</i> , 2018, 52, 2323-2330.	4.6	78
1155	Diet and microbiota linked in health and disease. <i>Food and Function</i> , 2018, 9, 688-704.	2.1	148

#	ARTICLE	IF	CITATIONS
1156	Effects of weight loss with a moderate-protein, high-fiber diet on body composition, voluntary physical activity, and fecal microbiota of obese cats. <i>American Journal of Veterinary Research</i> , 2018, 79, 181-190.	0.3	25
1157	Intestinal epithelial Toll-like receptor 4 prevents metabolic syndrome by regulating interactions between microbes and intestinal epithelial cells in mice. <i>Mucosal Immunology</i> , 2018, 11, 727-740.	2.7	34
1158	Dysbiosis of gut microbiota by chronic coexposure to titanium dioxide nanoparticles and bisphenol A: Implications for host health in zebrafish. <i>Environmental Pollution</i> , 2018, 234, 307-317.	3.7	136
1159	In vitro digestion by saliva, simulated gastric and small intestinal juices and fermentation by human fecal microbiota of sulfated polysaccharides from <i>Gracilaria rubra</i> . <i>Journal of Functional Foods</i> , 2018, 40, 18-27.	1.6	135
1160	Regulatory Efficacy of Brown Seaweed <i>Lessonia nigrescens</i> Extract on the Gene Expression Profile and Intestinal Microflora in Type 2 Diabetic Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700730.	1.5	52
1161	Gut flora-dependent metabolite Trimethylamine-N-oxide accelerates endothelial cell senescence and vascular aging through oxidative stress. <i>Free Radical Biology and Medicine</i> , 2018, 116, 88-100.	1.3	174
1162	Influence of fruit and invertebrate consumption on the gut microbiota of wild white-faced capuchins (<i>Cebus capucinus</i>). <i>American Journal of Physical Anthropology</i> , 2018, 165, 576-588.	2.1	36
1163	Effect of the consumption of a synbiotic diet mousse containing <i>Lactobacillus acidophilus</i> La-5 by individuals with metabolic syndrome: A randomized controlled trial. <i>Journal of Functional Foods</i> , 2018, 41, 55-61.	1.6	25
1164	The Local Defender and Functional Mediator: Gut Microbiome. <i>Digestion</i> , 2018, 97, 137-145.	1.2	26
1165	An introduction to the microbiome and MS. <i>Multiple Sclerosis Journal</i> , 2018, 24, 53-57.	1.4	5
1166	Differences in intestinal size, structure, and function contributing to feed efficiency in broiler chickens reared at geographically distant locations. <i>Poultry Science</i> , 2018, 97, 578-591.	1.5	25
1167	Gut as a target for cadmium toxicity. <i>Environmental Pollution</i> , 2018, 235, 429-434.	3.7	156
1168	A novel affordable reagent for room temperature storage and transport of fecal samples for metagenomic analyses. <i>Microbiome</i> , 2018, 6, 43.	4.9	53
1169	Linking gut microbiota to cardiovascular disease and hypertension: Lessons from chronic kidney disease. <i>Pharmacological Research</i> , 2018, 133, 101-107.	3.1	38
1170	Stochastic processes govern bacterial communities from the blood of pikas and from their arthropod vectors. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	14
1171	New concepts on intestinal microbiota and the role of the non-absorbable antibiotics with special reference to rifaximin in digestive diseases. <i>Digestive and Liver Disease</i> , 2018, 50, 741-749.	0.4	24
1172	<i>Lactobacillus paracasei</i> H1101, xylooligosaccharides, and synbiotics reduce gut disturbance in obese rats. <i>Nutrition</i> , 2018, 54, 40-47.	1.1	76
1173	Healthy Aging and Epigenetic Drugs for Diabetes and Obesity. , 2018, , 419-438.		1

#	ARTICLE	IF	CITATIONS
1174	Droplet digital PCR improves absolute quantification of viable lactic acid bacteria in faecal samples. <i>Journal of Microbiological Methods</i> , 2018, 148, 64-73.	0.7	64
1175	Gut microbiota and mTOR signaling: Insight on a new pathophysiological interaction. <i>Microbial Pathogenesis</i> , 2018, 118, 98-104.	1.3	67
1176	Non-obese type 2 diabetes patients present intestinal B cell dysregulations associated with hyperactive intestinal Tfh cells. <i>Molecular Immunology</i> , 2018, 97, 27-32.	1.0	14
1177	Synbiotic encapsulation of probiotic <i>Latobacillus plantarum</i> by alginate -arabinoxylan composite microspheres. <i>LWT - Food Science and Technology</i> , 2018, 93, 135-141.	2.5	50
1178	A biomimetic design for a sialylated, glycan-specific smart polymer. <i>NPG Asia Materials</i> , 2018, 10, e472-e472.	3.8	11
1179	From feedback loop transitions to biomarkers in the psycho-immune-neuroendocrine network: Detecting the critical transition from health to major depression. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 1-15.	2.9	43
1180	Understanding the prebiotic potential of different dietary fibers using an in vitro continuous adult fermentation model (PolyFermS). <i>Scientific Reports</i> , 2018, 8, 4318.	1.6	125
1181	Diet, the intestinal microbiota, and immune health in aging. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 651-661.	5.4	84
1182	Osteomicrobiology: The influence of gut microbiota on bone in health and disease. <i>Bone</i> , 2018, 115, 59-67.	1.4	57
1183	Do the Microbiota Influence Vaccines and Protective Immunity to Pathogens?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a028860.	2.3	27
1184	New insight into inter-organ crosstalk contributing to the pathogenesis of non-alcoholic fatty liver disease (NAFLD). <i>Protein and Cell</i> , 2018, 9, 164-177.	4.8	92
1185	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	28
1186	Impact of dietary fat on gut microbiota and low-grade systemic inflammation: mechanisms and clinical implications on obesity. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 125-143.	1.3	171
1187	Microbiotaâ€œHost Transgenomic Metabolism, Bioactive Molecules from the Inside. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 47-61.	2.9	91
1188	Effects of probiotics on body weight, body mass index, fat mass and fat percentage in subjects with overweight or obesity: a systematic review and metaâ€œanalysis of randomized controlled trials. <i>Obesity Reviews</i> , 2018, 19, 219-232.	3.1	174
1189	Ophiopogonin D alleviates highâ€œfat dietâ€œinduced metabolic syndrome and changes the structure of gut microbiota in mice. <i>FASEB Journal</i> , 2018, 32, 1139-1153.	0.2	35
1190	Interactions of the Hindgut Mucosa-Associated Microbiome with Its Host Regulate Shedding of <i>Escherichia coli</i> O157:H7 by Cattle. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	24
1191	Osteomicrobiology: A New Cross-Disciplinary Research Field. <i>Calcified Tissue International</i> , 2018, 102, 426-432.	1.5	45

#	ARTICLE	IF	CITATIONS
1192	Gut microbiota and obesity: Concepts relevant to clinical care. <i>European Journal of Internal Medicine</i> , 2018, 48, 18-24.	1.0	95
1193	Synthetic Biology and the Gut Microbiome. <i>Biotechnology Journal</i> , 2018, 13, e1700159.	1.8	35
1194	From Osteoimmunology to Osteomicrobiology: How the Microbiota and the Immune System Regulate Bone. <i>Calcified Tissue International</i> , 2018, 102, 512-521.	1.5	64
1195	High intake of dairy during energy restriction does not affect energy balance or the intestinal microflora compared with low dairy intake in overweight individuals in a randomized controlled trial. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 1-10.	0.9	23
1196	Bone Remodeling and the Microbiome. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a031203.	2.9	58
1197	Fecal Microbiota Transplantation: Therapeutic Potential for a Multitude of Diseases beyond <i>Clostridium difficile</i> . <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	52
1198	A new animal diet based on human Western diet is a robust diet-induced obesity model: comparison to high-fat and cafeteria diets in term of metabolic and gut microbiota disruption. <i>International Journal of Obesity</i> , 2018, 42, 525-534.	1.6	148
1199	Gut microbiota fermentation of marine polysaccharides and its effects on intestinal ecology: An overview. <i>Carbohydrate Polymers</i> , 2018, 179, 173-185.	5.1	165
1200	Prescribing Probiotics. , 2018, , 986-995.e4.		0
1201	Lessons from single-cell transcriptome analysis of oxygen-sensing cells. <i>Cell and Tissue Research</i> , 2018, 372, 403-415.	1.5	8
1202	Effect of dietary bile acids on growth, body composition, lipid metabolism and microbiota in grass carp (<i>Ctenopharyngodon idella</i>). <i>Aquaculture Nutrition</i> , 2018, 24, 802-813.	1.1	61
1203	Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700670.	1.5	58
1204	Linking inter-individual variability to endocrine disruptors: insights for epigenetic inheritance. <i>Mammalian Genome</i> , 2018, 29, 141-152.	1.0	13
1205	Removal of the cecum affects intestinal fermentation, enteric bacterial community structure, and acute colitis in mice. <i>Gut Microbes</i> , 2018, 9, 218-235.	4.3	63
1206	The gut microbiota: An emerging risk factor for cardiovascular and cerebrovascular disease. <i>European Journal of Immunology</i> , 2018, 48, 564-575.	1.6	114
1207	Finding the needle in the haystack: systematic identification of psychobiotics. <i>British Journal of Pharmacology</i> , 2018, 175, 4430-4438.	2.7	79
1208	From Epidemiology to Epigenetics: Evidence for the Importance of Nutrition to Optimal Health Development Across the Life Course. , 2018, , 431-462.		4
1209	Manno-oligosaccharides as Prebiotic-Valued Products from Agro-waste. <i>Energy, Environment, and Sustainability</i> , 2018, , 205-221.	0.6	11

#	ARTICLE	IF	CITATIONS
1210	Berberine treatment increases Akkermansia in the gut and improves high-fat diet-induced atherosclerosis in ApoE ^{-/-} mice. <i>Atherosclerosis</i> , 2018, 268, 117-126.	0.4	170
1211	Fungi in Gastrointestinal Tracts of Human and Mice: from Community to Functions. <i>Microbial Ecology</i> , 2018, 75, 821-829.	1.4	94
1212	Active migration is associated with specific and consistent changes to gut microbiota in <i>Calidris</i> shorebirds. <i>Journal of Animal Ecology</i> , 2018, 87, 428-437.	1.3	73
1213	Adipose tissue complement factor B promotes adipocyte maturation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 740-748.	1.0	22
1214	Reciprocal interactions between bile acids and gut microbiota in human liver diseases. <i>Hepatology Research</i> , 2018, 48, 15-27.	1.8	37
1215	The gut virome of the protochordate model organism, <i>Ciona intestinalis</i> subtype A. <i>Virus Research</i> , 2018, 244, 137-146.	1.1	17
1216	Endotoxemia is modulated by quantity and quality of dietary fat in older adults. <i>Experimental Gerontology</i> , 2018, 109, 119-125.	1.2	13
1217	Co-supplementation of isomalto-oligosaccharides potentiates metabolic health benefits of polyphenol-rich cranberry extract in high fat diet-fed mice via enhanced gut butyrate production. <i>European Journal of Nutrition</i> , 2018, 57, 2897-2911.	1.8	47
1218	Gut Microbiota-Dependent Modulation of Energy Metabolism. <i>Journal of Innate Immunity</i> , 2018, 10, 163-171.	1.8	184
1219	Isolation and identification of respiratory tract and intestinal microflora of <i>Meriones meridianus</i> in a conventional animal facility. <i>Animal Models and Experimental Medicine</i> , 2018, 1, 322-327.	1.3	1
1220	Laboratory investigations in lipidology. <i>South African Medical Journal</i> , 2018, 108, 266.	0.2	1
1221	ROLE OF GUT MICROBIOTA IN LIPID METABOLISM. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 4.	0.3	4
1222	Elevated Seawater Temperatures Decrease Microbial Diversity in the Gut of <i>Mytilus coruscus</i> . <i>Frontiers in Physiology</i> , 2018, 9, 839.	1.3	77
1223	Benefits of procyanidins on gut microbiota in Bama minipigs and implications in replacing antibiotics. <i>Journal of Veterinary Science</i> , 2018, 19, 798.	0.5	4
1224	Gegen Qinlian Decoction Attenuates High-Fat Diet-Induced Steatohepatitis in Rats via Gut Microbiota. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-8.	0.5	20
1225	Association between metabolic profile and microbiomic changes in rats with functional dyspepsia. <i>RSC Advances</i> , 2018, 8, 20166-20181.	1.7	28
1226	Childhood obesity in China: trends, risk factors, policies and actions. <i>Global Health Journal (Amsterdam, Netherlands)</i> , 2018, 2, 1-13.	1.9	13
1227	Metagenomic Approaches for Investigating the Role of the Microbiome in Gut Health and Inflammatory Diseases. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
1228	Land-Use Spatio-Temporal Change and Its Driving Factors in an Artificial Forest Area in Southwest China. <i>Sustainability</i> , 2018, 10, 4066.	1.6	32
1229	Comparison of Gut Microbial Diversity in Beijing Oil and Arbor Acres Chickens. <i>Brazilian Journal of Poultry Science</i> , 2018, 20, 37-44.	0.3	5
1230	ClassificaÃ§Ã£o da obesidade infantil. <i>Medicina</i> , 2018, 51, 138-152.	0.0	0
1231	Molecular Basis for Pathogenesis of Steatohepatitis: Contemporary Understanding and New Insights. , 0, , .		3
1232	Microbiota-sensitive epigenetic signature predicts inflammation in Crohnâ€™s disease. <i>JCI Insight</i> , 2018, 3, .	2.3	54
1233	Human microbiome brings new insights to traditional Chinese medicine. <i>Journal of Bio-X Research</i> , 2018, 1, 41-44.	0.3	2
1234	46 Ãœbergewicht und Adipositas im Erwachsenenalter. , 2018, , .		0
1235	The prebiotic inulin modulates gut microbiota but does not ameliorate atherosclerosis in hypercholesterolemic APOE*3-Leiden.CETP mice. <i>Scientific Reports</i> , 2018, 8, 16515.	1.6	26
1236	Perfluorobutanesulfonate Exposure Causes Durable and Transgenerational Dysbiosis of Gut Microbiota in Marine Medaka. <i>Environmental Science and Technology Letters</i> , 2018, 5, 731-738.	3.9	50
1237	Applications of Lactic Acid Bacteria in Heavy Metal Pollution Environment. , 2018, , 213-248.		2
1238	Causal Relationship between Diet-Induced Gut Microbiota Changes and Diabetes: A Novel Strategy to Transplant <i>Faecalibacterium prausnitzii</i> in Preventing Diabetes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3720.	1.8	138
1239	Impact of a Healthy Dietary Pattern on Gut Microbiota and Systemic Inflammation in Humans. <i>Nutrients</i> , 2018, 10, 1783.	1.7	71
1240	Biotransformation by the Gut Microbiome. , 2018, , 59-73.		0
1241	Gut Microbiome Dysbiosis and Immunometabolism: New Frontiers for Treatment of Metabolic Diseases. <i>Mediators of Inflammation</i> , 2018, 2018, 1-12.	1.4	199
1242	Comparative analysis of <i>Faecalibacterium prausnitzii</i> genomes shows a high level of genome plasticity and warrants separation into new species-level taxa. <i>BMC Genomics</i> , 2018, 19, 931.	1.2	78
1243	Amelioration of hepatic steatosis is associated with modulation of gut microbiota and suppression of hepatic miR-34a in <i>Gynostemma pentaphylla</i> (Thunb.) Makino treated mice. <i>Nutrition and Metabolism</i> , 2018, 15, 86.	1.3	26
1244	Population-Based Gut Microbiome Associations With Hypertension. <i>Circulation Research</i> , 2018, 123, 1185-1187.	2.0	6
1245	Effects of urbanization on the foraging ecology and microbiota of the generalist seabird <i>Larus argentatus</i> . <i>PLoS ONE</i> , 2018, 13, e0209200.	1.1	72

#	ARTICLE	IF	CITATIONS
1246	Dietary Protein and Gut Microbiota Composition and Function. <i>Current Protein and Peptide Science</i> , 2018, 20, 145-154.	0.7	183
1247	Dietary Supplementation With Chinese Herbal Residues or Their Fermented Products Modifies the Colonic Microbiota, Bacterial Metabolites, and Expression of Genes Related to Colon Barrier Function in Weaned Piglets. <i>Frontiers in Microbiology</i> , 2018, 9, 3181.	1.5	15
1248	Multioomic Strategies Reveal Diversity and Important Functional Aspects of Human Gut Microbiome. <i>BioMed Research International</i> , 2018, 2018, 1-13.	0.9	11
1249	A Metabologenomic Approach Reveals Changes in the Intestinal Environment of Mice Fed on American Diet. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4079.	1.8	41
1250	The Dietary Intervention of Transgenic Low-Gliadin Wheat Bread in Patients with Non-Celiac Gluten Sensitivity (NCGS) Showed No Differences with Gluten Free Diet (GFD) but Provides Better Gut Microbiota Profile. <i>Nutrients</i> , 2018, 10, 1964.	1.7	28
1251	Iron Biofortified Carioca Bean (<i>Phaseolus vulgaris</i> L.)-Based Brazilian Diet Delivers More Absorbable Iron and Affects the Gut Microbiota In Vivo (<i>Gallus gallus</i>). <i>Nutrients</i> , 2018, 10, 1970.	1.7	36
1252	The gut microbiota-derived metabolite trimethylamine N-oxide is elevated in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 124.	3.0	273
1253	Microbial Intervention as a Novel Target in Treatment of Non-Alcoholic Fatty Liver Disease Progression. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2123-2135.	1.1	32
1254	Discovering biomarkers in bladder cancer by metabolomics. <i>Biomarkers in Medicine</i> , 2018, 12, 1347-1359.	0.6	21
1255	Lactic Acid Bacteria in Foodborne Hazards Reduction. , 2018, , .		8
1256	Short- and long-term impacts of azithromycin treatment on the gut microbiota in children: A double-blind, randomized, placebo-controlled trial. <i>EBioMedicine</i> , 2018, 38, 265-272.	2.7	58
1257	An overview on the interplay between nutraceuticals and gut microbiota. <i>PeerJ</i> , 2018, 6, e4465.	0.9	27
1258	Sodium butyrate reduces high-fat diet-induced non-alcoholic steatohepatitis through upregulation of hepatic GLP-1R expression. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-12.	3.2	113
1259	Skin and gut microbiomes of a wild mammal respond to different environmental cues. <i>Microbiome</i> , 2018, 6, 209.	4.9	47
1260	The valproic acid rat model of autism presents with gut bacterial dysbiosis similar to that in human autism. <i>Molecular Autism</i> , 2018, 9, 61.	2.6	74
1261	Assessing Metagenomic Signals Recovered from Lyuba, a 42,000-Year-Old Permafrost-Preserved Woolly Mammoth Calf. <i>Genes</i> , 2018, 9, 436.	1.0	30
1262	Divergence of Fecal Microbiota and Their Associations With Host Phylogeny in Cervinae. <i>Frontiers in Microbiology</i> , 2018, 9, 1823.	1.5	9
1263	Beef, Casein, and Soy Proteins Differentially Affect Lipid Metabolism, Triglycerides Accumulation and Gut Microbiota of High-Fat Diet-Fed C57BL/6J Mice. <i>Frontiers in Microbiology</i> , 2018, 9, 2200.	1.5	81

#	ARTICLE	IF	CITATIONS
1264	Neutral and selective dynamics in a synthetic microbial community. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9842-E9848.	3.3	44
1265	The "Gut Feeling": Breaking Down the Role of Gut Microbiome in Multiple Sclerosis. <i>Neurotherapeutics</i> , 2018, 15, 109-125.	2.1	117
1266	Recent Advances in the Analysis of Gut Microbiota and their Relationship with Disease. , 2018, , .		0
1267	Huang-Lian-Jie-Du-Decoction Ameliorates Hyperglycemia and Insulin Resistant in Association With Gut Microbiota Modulation. <i>Frontiers in Microbiology</i> , 2018, 9, 2380.	1.5	88
1268	Methanobacterium formicum as a target rumen methanogen for the development of new methane mitigation interventions: A review. <i>Veterinary and Animal Science</i> , 2018, 6, 86-94.	0.6	33
1269	Hepatic Expression of PEMT, but Not Dietary Choline Supplementation, Reverses the Protection against Atherosclerosis in Pemt/Ldlr Mice. <i>Journal of Nutrition</i> , 2018, 148, 1513-1520.	1.3	6
1270	Obesity in Type 1 Diabetes: Pathophysiology, Clinical Impact, and Mechanisms. <i>Endocrine Reviews</i> , 2018, 39, 629-663.	8.9	154
1271	Microbiomes as Metacommunities: Understanding Host-Associated Microbes through Metacommunity Ecology. <i>Trends in Ecology and Evolution</i> , 2018, 33, 926-935.	4.2	195
1272	Microbiota epitope similarity either dampens or enhances the immunogenicity of disease-associated antigenic epitopes. <i>PLoS ONE</i> , 2018, 13, e0196551.	1.1	31
1273	Intestinal toxicity of deoxynivalenol is limited by supplementation with <i>Lactobacillus plantarum</i> JM113 and consequentially altered gut microbiota in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 74.	2.1	65
1274	Fecal microbiota transplantation confers beneficial metabolic effects of diet and exercise on diet-induced obese mice. <i>Scientific Reports</i> , 2018, 8, 15625.	1.6	122
1275	The Microbiotic Highway to Health"New Perspective on Food Structure, Gut Microbiota, and Host Inflammation. <i>Nutrients</i> , 2018, 10, 1590.	1.7	45
1276	Trimethylamine N-Oxide: A Link among Diet, Gut Microbiota, Gene Regulation of Liver and Intestine Cholesterol Homeostasis and HDL Function. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3228.	1.8	138
1277	Sex-Gender Differences in Irritable Bowel Syndrome. <i>Journal of Neurogastroenterology and Motility</i> , 2018, 24, 544-558.	0.8	161
1278	Biology and Taxonomy of crAss-like Bacteriophages, the Most Abundant Virus in the Human Gut. <i>Cell Host and Microbe</i> , 2018, 24, 653-664.e6.	5.1	233
1279	A comprehensive analysis of the faecal microbiome and metabolome of <i>Strongyloides stercoralis</i> infected volunteers from a non-endemic area. <i>Scientific Reports</i> , 2018, 8, 15651.	1.6	51
1280	Transmission modes of the mammalian gut microbiota. <i>Science</i> , 2018, 362, 453-457.	6.0	189
1281	Preparation, characterization and improvement in intestinal function of polysaccharide fractions from okra. <i>Journal of Functional Foods</i> , 2018, 50, 147-157.	1.6	39

#	ARTICLE	IF	CITATIONS
1282	Dissecting the Physiology and Pathophysiology of Glucagon-Like Peptide-1. <i>Frontiers in Endocrinology</i> , 2018, 9, 584.	1.5	54
1283	Fecal Microbiota Transplantation Beneficially Regulates Intestinal Mucosal Autophagy and Alleviates Gut Barrier Injury. <i>MSystems</i> , 2018, 3, .	1.7	94
1284	Pleiotropic effects of metformin: Shaping the microbiome to manage type 2 diabetes and postpone ageing. <i>Ageing Research Reviews</i> , 2018, 48, 87-98.	5.0	80
1285	Interaction between gut microbiome and cardiovascular disease. <i>Life Sciences</i> , 2018, 214, 153-157.	2.0	106
1286	Comparative Analysis of the Gut Microbial Composition and Meat Flavor of Two Chicken Breeds in Different Rearing Patterns. <i>BioMed Research International</i> , 2018, 2018, 1-13.	0.9	24
1287	The divergent restoration effects of <i>Lactobacillus</i> strains in antibiotic-induced dysbiosis. <i>Journal of Functional Foods</i> , 2018, 51, 142-152.	1.6	13
1288	Mucosal Vaccination Challenges in Aging: Understanding Immunosenescence in the Aerodigestive Tract. , 2018, , 1-27.		0
1289	The Role of Gut Microbiota in Atherosclerosis and Hypertension. <i>Frontiers in Pharmacology</i> , 2018, 9, 1082.	1.6	164
1290	Disentangling Host-Microbiota Regulation of Lipid Secretion by Enterocytes: Insights from Commensals <i>Lactobacillus paracasei</i> and <i>Escherichia coli</i> . <i>MBio</i> , 2018, 9, .	1.8	30
1292	Nutritional Modulation of Innate Immunity: The Fat-Bile-Gut Connection. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 686-698.	3.1	23
1293	The improvements of functional ingredients from marine foods in lipid metabolism. <i>Trends in Food Science and Technology</i> , 2018, 81, 74-89.	7.8	29
1294	More than an Anti-diabetic Bariatric Surgery, Metabolic Surgery Alleviates Systemic and Local Inflammation in Obesity. <i>Obesity Surgery</i> , 2018, 28, 3658-3668.	1.1	29
1295	Continuous Antibiotic Prophylaxis in Pediatric Urology. <i>Urologic Clinics of North America</i> , 2018, 45, 525-538.	0.8	6
1296	Analysis of gut microbiota profiles and microbe-disease associations in children with autism spectrum disorders in China. <i>Scientific Reports</i> , 2018, 8, 13981.	1.6	128
1297	Microbiome alterations following solid-organ transplantation: consequences, solutions, and prevention. <i>Transplant Research and Risk Management</i> , 0, Volume 10, 1-11.	0.7	4
1298	Dietary Bile Salt Types Influence the Composition of Biliary Bile Acids and Gut Microbiota in Grass Carp. <i>Frontiers in Microbiology</i> , 2018, 9, 2209.	1.5	31
1299	Gut microbiota modulates drug pharmacokinetics. <i>Drug Metabolism Reviews</i> , 2018, 50, 357-368.	1.5	97
1300	Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased <i>Akkermansia muciniphila</i> Population Modulated by Dietary Black Raspberries. <i>ACS Omega</i> , 2018, 3, 10927-10937.	1.6	49

#	ARTICLE	IF	CITATIONS
1301	Sex differences in lipid metabolism are affected by presence of the gut microbiota. <i>Scientific Reports</i> , 2018, 8, 13426.	1.6	68
1302	The microbiome and inborn errors of metabolism: Why we should look carefully at their interplay?. <i>Genetics and Molecular Biology</i> , 2018, 41, 515-532.	0.6	14
1303	Consequences of colonialism: A microbial perspective to contemporary Indigenous health. <i>American Journal of Physical Anthropology</i> , 2018, 167, 423-437.	2.1	12
1304	Yeast quality in juvenile diet affects <i>Drosophila melanogaster</i> adult life traits. <i>Scientific Reports</i> , 2018, 8, 13070.	1.6	37
1305	Fecal Microbiota Transplantation: Therapeutic Potential for a Multitude of Diseases beyond <i>Clostridium difficile</i> . , 2018, , 291-308.		2
1306	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. , 2018, , 131-148.		0
1307	Anti-diabetic effect of baicalein is associated with the modulation of gut microbiota in streptozotocin and high-fat-diet induced diabetic rats. <i>Journal of Functional Foods</i> , 2018, 46, 256-267.	1.6	98
1308	Intestinal microbiota and lipid metabolism responses in the common carp (<i>Cyprinus carpio</i> L.) following copper exposure. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 257-264.	2.9	131
1309	Interaction between Host MicroRNAs and the Gut Microbiota in Colorectal Cancer. <i>MSystems</i> , 2018, 3, .	1.7	97
1310	Citrus peel extracts attenuated obesity and modulated gut microbiota in mice with high-fat diet-induced obesity. <i>Food and Function</i> , 2018, 9, 3363-3373.	2.1	75
1311	p300-Mediated Lysine 2-Hydroxyisobutyrylation Regulates Glycolysis. <i>Molecular Cell</i> , 2018, 70, 663-678.e6.	4.5	126
1312	Innate Recognition of the Microbiota by TLR1 Promotes Epithelial Homeostasis and Prevents Chronic Inflammation. <i>Journal of Immunology</i> , 2018, 201, 230-242.	0.4	32
1313	Prebiotic effects of white button mushroom (<i>Agaricus bisporus</i>) feeding on succinate and intestinal gluconeogenesis in C57BL/6 mice. <i>Journal of Functional Foods</i> , 2018, 45, 223-232.	1.6	28
1314	Ethanolamine enhances intestinal functions by altering gut microbiome and mucosal anti-stress capacity in weaned rats. <i>British Journal of Nutrition</i> , 2018, 120, 241-249.	1.2	29
1315	Sterilized bifidobacteria suppressed fat accumulation and blood glucose level. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 1041-1047.	1.0	59
1316	Caecal infusion of the short-chain fatty acid propionate affects the microbiota and expression of inflammatory cytokines in the colon in a fistula pig model. <i>Microbial Biotechnology</i> , 2018, 11, 859-868.	2.0	43
1317	Effect of cysteamine hydrochloride supplementation on the growth performance, enterotoxic status, and glutathione turnover of broilers fed aflatoxin B1 contaminated diets. <i>Poultry Science</i> , 2018, 97, 3594-3600.	1.5	9
1318	Type 1 diabetes: Through the lens of human genome and metagenome interplay. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 332-342.	2.5	14

#	ARTICLE	IF	CITATIONS
1319	The role of intestinal microbiota in the pathogenesis of NAFLD: starting points for intervention. Archives of Medical Science, 2018, 14, 701-706.	0.4	25
1320	Association of Tongue Bacterial Flora and Subtypes of Liver-Fire Hyperactivity Syndrome in Hypertensive Patients. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-10.	0.5	2
1321	Gut Dysbiosis and Muscle Aging: Searching for Novel Targets against Sarcopenia. Mediators of Inflammation, 2018, 2018, 1-15.	1.4	104
1322	Improving the standards for gut microbiome analysis of fecal samples: insights from the field biology of Japanese macaques on Yakushima Island. Primates, 2018, 59, 423-436.	0.7	18
1323	An Overview of the Roles of the Gut Microbiome in Obesity and Diabetes. , 2018, , 65-91.		4
1324	Diet Effects on Gut Microbiome Composition, Function, and Host Physiology. , 2018, , 755-766.		1
1325	Bacterial Methionine Metabolism Genes Influence Drosophila melanogaster Starvation Resistance. Applied and Environmental Microbiology, 2018, 84, .	1.4	28
1326	Aflatoxin B1 (AFB1) induced dysregulation of intestinal microbiota and damage of antioxidant system in pacific white shrimp (Litopenaeus vannamei). Aquaculture, 2018, 495, 940-947.	1.7	62
1327	Impact of sugar on the body brain and behavior. Frontiers in Bioscience - Landmark, 2018, 23, 2255-2266.	3.0	81
1328	Quantitative Crotonylome Analysis Expands the Roles of p300 in the Regulation of Lysine Crotonylation Pathway. Proteomics, 2018, 18, e1700230.	1.3	63
1329	Influence of gender and menopausal status on gut microbiota. Maturitas, 2018, 116, 43-53.	1.0	153
1330	Metagenomic Analysis of Bacteria, Fungi, Bacteriophages, and Helminths in the Gut of Giant Pandas. Frontiers in Microbiology, 2018, 9, 1717.	1.5	55
1331	Shifts in intestinal microbiota after duodenal exclusion favor glycemic control and weight loss: a randomized controlled trial. Surgery for Obesity and Related Diseases, 2018, 14, 1748-1754.	1.0	27
1332	Butyrate and Dietary Soluble Fiber Improve Neuroinflammation Associated With Aging in Mice. Frontiers in Immunology, 2018, 9, 1832.	2.2	192
1333	Bioactive Lipids. Reference Series in Phytochemistry, 2018, , 1-61.	0.2	1
1334	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. Npj Systems Biology and Applications, 2018, 4, 27.	1.4	59
1335	Fiber Supplements Derived From Sugarcane Stem, Wheat Dextrin and Psyllium Husk Have Different In Vitro Effects on the Human Gut Microbiota. Frontiers in Microbiology, 2018, 9, 1618.	1.5	25
1336	Effects of anthocyanins from the fruit of Lycium ruthenicum Murray on intestinal microbiota. Journal of Functional Foods, 2018, 48, 533-541.	1.6	69

#	ARTICLE	IF	CITATIONS
1337	Therapeutic reduction of lysophospholipids in the digestive tract recapitulates the metabolic benefits of bariatric surgery and promotes diabetes remission. <i>Molecular Metabolism</i> , 2018, 16, 55-64.	3.0	8
1338	Gut microbiota, short chain fatty acids, and obesity across the epidemiologic transition: the METS-Microbiome study protocol. <i>BMC Public Health</i> , 2018, 18, 978.	1.2	32
1339	Gut Microbiota-Regulated Pharmacokinetics of Berberine and Active Metabolites in Beagle Dogs After Oral Administration. <i>Frontiers in Pharmacology</i> , 2018, 9, 214.	1.6	53
1340	Understanding the Representative Gut Microbiota Dysbiosis in Metformin-Treated Type 2 Diabetes Patients Using Genome-Scale Metabolic Modeling. <i>Frontiers in Physiology</i> , 2018, 9, 775.	1.3	58
1341	Association between <i>Fusobacterium nucleatum</i> and colorectal cancer: Progress and future directions. <i>Journal of Cancer</i> , 2018, 9, 1652-1659.	1.2	63
1342	Intestinal microbiota composition is altered according to nutritional biorhythms in the leopard coral grouper (<i>Plectropomus leopardus</i>). <i>PLoS ONE</i> , 2018, 13, e0197256.	1.1	44
1343	Impact of continuous low-dose antibiotic prophylaxis on growth in children with vesicoureteral reflux. <i>Journal of Pediatric Urology</i> , 2018, 14, 325.e1-325.e7.	0.6	10
1344	The effects of a wool hydrolysate on short-chain fatty acid production and fecal microbial composition in the domestic cat (<i>Felis catus</i>). <i>Food and Function</i> , 2018, 9, 4107-4121.	2.1	9
1345	A community-based study on the association between <i>Helicobacter pylori</i> Infection and obesity. <i>Scientific Reports</i> , 2018, 8, 10746.	1.6	31
1346	Moderate Dietary Protein Restriction Optimized Gut Microbiota and Mucosal Barrier in Growing Pig Model. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 246.	1.8	70
1347	Food-grade TiO ₂ is trapped by intestinal mucus in vitro but does not impair mucin O-glycosylation and short-chain fatty acid synthesis in vivo: implications for gut barrier protection. <i>Journal of Nanobiotechnology</i> , 2018, 16, 53.	4.2	47
1348	Targeting gut microbiota in hepatocellular carcinoma: probiotics as a novel therapy. <i>Hepatobiliary Surgery and Nutrition</i> , 2018, 7, 11-20.	0.7	84
1349	Microbiomeâ€“Metabolomics Analysis of the Impacts of Long-Term Dietary Advanced-Glycation-End-Product Consumption on C57BL/6 Mouse Fecal Microbiota and Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8864-8875.	2.4	58
1350	Adiposity and metabolic health in mice deficient in intestinal alkaline phosphatase. <i>Adipocyte</i> , 2018, 7, 149-155.	1.3	4
1351	Ecological Restoration of Antibiotic-Disturbed Gastrointestinal Microbiota in Foregut and Hindgut of Cows. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 79.	1.8	31
1352	Preliminary Comparison of Oral and Intestinal Human Microbiota in Patients with Colorectal Cancer: A Pilot Study. <i>Frontiers in Microbiology</i> , 2017, 8, 2699.	1.5	93
1353	Gut Microbiota: An Integral Moderator in Health and Disease. <i>Frontiers in Microbiology</i> , 2018, 9, 151.	1.5	306
1354	Transglycosylated Starch Modulates the Gut Microbiome and Expression of Genes Related to Lipid Synthesis in Liver and Adipose Tissue of Pigs. <i>Frontiers in Microbiology</i> , 2018, 9, 224.	1.5	30

#	ARTICLE	IF	CITATIONS
1355	The Virome and Its Major Component, Anellovirus, a Convolved System Molding Human Immune Defenses and Possibly Affecting the Development of Asthma and Respiratory Diseases in Childhood. <i>Frontiers in Microbiology</i> , 2018, 9, 686.	1.5	73
1356	A Small Molecule-Screening Pipeline to Evaluate the Therapeutic Potential of 2-Aminoimidazole Molecules Against <i>Clostridium difficile</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1206.	1.5	17
1357	Microbial Regulation of Glucose Metabolism and Insulin Resistance. <i>Genes</i> , 2018, 9, 10.	1.0	38
1358	Low Maternal Microbiota Sharing across Gut, Breast Milk and Vagina, as Revealed by 16S rRNA Gene and Reduced Metagenomic Sequencing. <i>Genes</i> , 2018, 9, 231.	1.0	35
1359	Analysis of the Gut Microbiome of Rural and Urban Healthy Indians Living in Sea Level and High Altitude Areas. <i>Scientific Reports</i> , 2018, 8, 10104.	1.6	104
1360	Gut Microbiota and Type 1 Diabetes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 995.	1.8	148
1361	The Expensive-Tissue Hypothesis in Vertebrates: Gut Microbiota Effect, a Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1792.	1.8	19
1362	Gastrointestinal Transit Time, Glucose Homeostasis and Metabolic Health: Modulation by Dietary Fibers. <i>Nutrients</i> , 2018, 10, 275.	1.7	188
1363	Effects of Dietary Intake of Japanese Mushrooms on Visceral Fat Accumulation and Gut Microbiota in Mice. <i>Nutrients</i> , 2018, 10, 610.	1.7	38
1364	The Role of Gut Microbiota and Diet on Uremic Retention Solutes Production in the Context of Chronic Kidney Disease. <i>Toxins</i> , 2018, 10, 155.	1.5	54
1365	Is the Impact of Starvation on the Gut Microbiota Specific or Unspecific to Anorexia Nervosa? A Narrative Review Based on a Systematic Literature Search. <i>Current Neuropharmacology</i> , 2018, 16, 1131-1149.	1.4	55
1366	Modulation of gut microbiota by mulberry fruit polysaccharide treatment of obese diabetic mice. <i>Food and Function</i> , 2018, 9, 3732-3742.	2.1	116
1367	Physiology and central carbon metabolism of the gut bacterium <i>Prevotella copri</i> . <i>Molecular Microbiology</i> , 2018, 109, 528-540.	1.2	87
1368	<i>Lactobacillus plantarum</i> ZDY04 exhibits a strain-specific property of lowering TMAO via the modulation of gut microbiota in mice. <i>Food and Function</i> , 2018, 9, 4299-4309.	2.1	110
1369	Intestinal Microbiota Influences Non-intestinal Related Autoimmune Diseases. <i>Frontiers in Microbiology</i> , 2018, 9, 432.	1.5	137
1370	Dietary Fibers: A Way to a Healthy Microbiome. , 2018, , 299-345.		10
1371	An anti-inflammatory approach to the dietary management of multiple sclerosis: a condensed review. <i>South African Journal of Clinical Nutrition</i> , 2018, 31, 67-73.	0.3	10
1372	Alfalfa-containing diets alter luminal microbiota structure and short chain fatty acid sensing in the caecal mucosa of pigs. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 11.	2.1	45

#	ARTICLE	IF	CITATIONS
1373	Mind the gut: genomic insights to population divergence and gut microbial composition of two marine keystone species. <i>Microbiome</i> , 2018, 6, 82.	4.9	28
1374	Disruption of bacterial balance in the gut of <i>Portunus trituberculatus</i> induced by <i>Vibrio alginolyticus</i> infection. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1891-1898.	0.6	8
1375	Colon epithelial cells luminal environment and physiopathological consequences: impact of nutrition and exercise. <i>Nutrire</i> , 2018, 43, .	0.3	9
1376	Gut microbiota profiling in Han Chinese with type 1 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2018, 141, 256-263.	1.1	68
1377	Acute exposure to PBDEs at an environmentally realistic concentration causes abrupt changes in the gut microbiota and host health of zebrafish. <i>Environmental Pollution</i> , 2018, 240, 17-26.	3.7	96
1378	Microbial tryptophan catabolites in health and disease. <i>Nature Communications</i> , 2018, 9, 3294.	5.8	1,067
1379	The gut microbiome and aquatic toxicology: An emerging concept for environmental health. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2758-2775.	2.2	100
1380	Effects of <i>Bifidobacterium breve</i> B-3 on body fat reductions in pre-obese adults: a randomized, double-blind, placebo-controlled trial. <i>Bioscience of Microbiota, Food and Health</i> , 2018, 37, 67-75.	0.8	77
1381	Lentil (<i>Lens culinaris</i> Medikus) Diet Affects the Gut Microbiome and Obesity Markers in Rat. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8805-8813.	2.4	25
1382	Structural and compositional mismatch between captive and wild Atlantic salmon (<i>Salmo</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 management and conservation methods. <i>Evolutionary Applications</i> , 2018, 11, 1671-1685.	1.5	33
1383	Application of Electronic-Nose Technologies and VOC-Biomarkers for the Noninvasive Early Diagnosis of Gastrointestinal Diseases. <i>Sensors</i> , 2018, 18, 2613.	2.1	111
1384	Depicting the composition of gut microbiota in a population with varied ethnic origins but shared geography. <i>Nature Medicine</i> , 2018, 24, 1526-1531.	15.2	436
1385	Structural and Functional Alterations in the Microbial Community and Immunological Consequences in a Mouse Model of Antibiotic-Induced Dysbiosis. <i>Frontiers in Microbiology</i> , 2018, 9, 1948.	1.5	62
1386	Effects of Psychological, Environmental and Physical Stressors on the Gut Microbiota. <i>Frontiers in Microbiology</i> , 2018, 9, 2013.	1.5	323
1387	Human biomarker interpretation: the importance of intra-class correlation coefficients (ICC) and their calculations based on mixed models, ANOVA, and variance estimates. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 161-180.	2.9	43
1388	Green tea polyphenols modify gut-microbiota dependent metabolisms of energy, bile constituents and micronutrients in female Sprague-Dawley rats. <i>Journal of Nutritional Biochemistry</i> , 2018, 61, 68-81.	1.9	43
1389	The underlying microbial mechanism of epizootic rabbit enteropathy triggered by a low fiber diet. <i>Scientific Reports</i> , 2018, 8, 12489.	1.6	37
1390	Diet simplification selects for high gut microbial diversity and strong fermenting ability in high-altitude pikas. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6739-6751.	1.7	75

#	ARTICLE	IF	CITATIONS
1391	Efficacy of Probiotics in Prevention and Treatment of Infectious Diseases. <i>Clinical Microbiology Newsletter</i> , 2018, 40, 97-103.	0.4	10
1392	Water soluble fraction from ethanolic extract of <i>Clousena lansium</i> seeds alleviates obesity and insulin resistance, and changes the composition of gut microbiota in high-fat diet-fed mice. <i>Journal of Functional Foods</i> , 2018, 47, 192-199.	1.6	17
1393	Variation in the Plasma Levels of Polyunsaturated Fatty Acids in Control vis-À-vis Nonalcoholic Fatty Liver Disease Subjects and Its Possible Association with Gut Microbiome. <i>Metabolic Syndrome and Related Disorders</i> , 2018, 16, 329-335.	0.5	7
1394	Prenatal Exposure to Antibiotics and Risk of Childhood Obesity in a Multicenter Cohort Study. <i>American Journal of Epidemiology</i> , 2018, 187, 2159-2167.	1.6	33
1395	<i>Enterobacter cloacae</i> administration induces hepatic damage and subcutaneous fat accumulation in high-fat diet fed mice. <i>PLoS ONE</i> , 2018, 13, e0198262.	1.1	22
1396	Integrated phenotypic-genotypic approach to understand the influence of ultrasound on metabolic response of <i>Lactobacillus sakei</i> . <i>PLoS ONE</i> , 2018, 13, e0191053.	1.1	17
1397	Clinical trials of kimchi intakes on the regulation of metabolic parameters and colon health in healthy Korean young adults. <i>Journal of Functional Foods</i> , 2018, 47, 325-333.	1.6	30
1398	Microbiome and butyrate production are altered in the gut of rats fed a glycated fish protein diet. <i>Journal of Functional Foods</i> , 2018, 47, 423-433.	1.6	56
1399	Camellia Oil (<i>Camellia oleifera</i> Abel.) Modifies the Composition of Gut Microbiota and Alleviates Acetic Acid-Induced Colitis in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7384-7392.	2.4	52
1400	Increased Pancreatic Protease Activity in Response to Antibiotics Impairs Gut Barrier and Triggers Colitis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 370-388.e3.	2.3	22
1401	High throughput sequence profiling of gut microbiome in Northern Indian infants during the first four months and its global comparison. <i>Meta Gene</i> , 2018, 17, 184-191.	0.3	8
1402	<i>Helicobacter pylori</i> eradication with bismuth quadruple therapy leads to dysbiosis of gut microbiota with an increased relative abundance of Proteobacteria and decreased relative abundances of Bacteroidetes and Actinobacteria. <i>Helicobacter</i> , 2018, 23, e12498.	1.6	66
1403	Fecal Bacteriome and Mycobiome in Bats with Diverse Diets in South China. <i>Current Microbiology</i> , 2018, 75, 1352-1361.	1.0	37
1404	“œl will survive” A tale of bacteriophage-bacteria coevolution in the gut. <i>Gut Microbes</i> , 2019, 10, 92-99.	4.3	65
1405	Prior antibiotic exposure and risk of type 2 diabetes among Veterans. <i>Primary Care Diabetes</i> , 2019, 13, 49-56.	0.9	11
1406	<i>N</i> -Acetylcysteine alleviates gut dysbiosis and glucose metabolic disorder in high-fat diet-fed mice. <i>Journal of Diabetes</i> , 2019, 11, 32-45.	0.8	39
1407	Lack of liver steatosis in germ-free mice following hypercaloric diets. <i>European Journal of Nutrition</i> , 2019, 58, 1933-1945.	1.8	28
1408	Metagenomics analysis reveals significant modulation of cecal microbiota of broilers fed palm kernel expeller diets. <i>Poultry Science</i> , 2019, 98, 56-68.	1.5	10

#	ARTICLE	IF	CITATIONS
1409	Effects of medicines used to treat gastrointestinal diseases on the pharmacokinetics of coadministered drugs: a PEARRL Review. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 643-673.	1.2	11
1410	Human colonic microbiota modulation and branched chain fatty acids production affected by soy protein hydrolysate. <i>International Journal of Food Science and Technology</i> , 2019, 54, 141-148.	1.3	32
1411	Outside the liver box: The gut microbiota as pivotal modulator of liver diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 912-919.	1.8	22
1412	Environmental filtering increases with elevation for the assembly of gut microbiota in wild pikas. <i>Microbial Biotechnology</i> , 2019, 12, 976-992.	2.0	55
1413	The impact of human-facilitated selection on the gut microbiota of domesticated mammals. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	29
1414	Using poly(β -hydroxybutyrate- β -hydroxyvalerate) as carbon source in biofloc-systems: Nitrogen dynamics and shift of <i>Oreochromis niloticus</i> gut microbiota. <i>Science of the Total Environment</i> , 2019, 694, 133664.	3.9	21
1415	Twin Registries Moving Forward and Meeting the Future: A Review. <i>Twin Research and Human Genetics</i> , 2019, 22, 201-209.	0.3	4
1416	Oral vancomycin treatment does not alter markers of postprandial inflammation in lean and obese subjects. <i>Physiological Reports</i> , 2019, 7, e14199.	0.7	10
1417	Maternal Genistein Intake Mitigates the Deleterious Effects of High-Fat Diet on Glucose and Lipid Metabolism and Modulates Gut Microbiota in Adult Life of Male Mice. <i>Frontiers in Physiology</i> , 2019, 10, 985.	1.3	31
1418	Can functional oligosaccharides reduce the risk of diabetes mellitus?. <i>FASEB Journal</i> , 2019, 33, 11655-11667.	0.2	25
1419	Comparative Analyses of Fecal Microbiota in European Mouflon (<i>Ovis orientalis musimon</i>) and Blue Sheep (<i>Pseudois nayaur</i>) Living at Low or High Altitudes. <i>Frontiers in Microbiology</i> , 2019, 10, 1735.	1.5	27
1420	The Human Gut Microbiome is Structured to Optimize Molecular Interaction Networks. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1040-1046.	1.9	6
1421	Changes in Ileal Microbial Composition and Microbial Metabolism by an Early-Life Galacto-Oligosaccharides Intervention in a Neonatal Porcine Model. <i>Nutrients</i> , 2019, 11, 1753.	1.7	37
1422	Commensal <i>Neisseria</i> Kill <i>Neisseria gonorrhoeae</i> through a DNA-Dependent Mechanism. <i>Cell Host and Microbe</i> , 2019, 26, 228-239.e8.	5.1	52
1423	Changes of serum lipopolysaccharide, inflammatory factors, and cecal microbiota in obese rats with type 2 diabetes induced by Roux-en-Y gastric bypass. <i>Nutrition</i> , 2019, 67-68, 110565.	1.1	6
1424	Phage-guided modulation of the gut microbiota of mouse models of colorectal cancer augments their responses to chemotherapy. <i>Nature Biomedical Engineering</i> , 2019, 3, 717-728.	11.6	229
1425	Dietary plants, gut microbiota, and obesity: Effects and mechanisms. <i>Trends in Food Science and Technology</i> , 2019, 92, 194-204.	7.8	119
1426	Effect of chrysin on changes in intestinal environment and microbiome induced by fructose-feeding in rats. <i>Food and Function</i> , 2019, 10, 4566-4576.	2.1	18

#	ARTICLE	IF	CITATIONS
1427	Glycerolâ€Monolaurateâ€Mediated Attenuation of Metabolic Syndrome is Associated with the Modulation of Gut Microbiota in Highâ€Fatâ€Dietâ€Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801417.	1.5	45
1428	Effect of dietary vitamin B ₆ supplementation on growth and intestinal microflora of juvenile golden pompano (<i>Trachinotus ovatus</i>). <i>Aquaculture Research</i> , 2019, 50, 2359-2370.	0.9	9
1429	Glutamic acid supplementation reduces body fat weight in finishing pigs when provided solely or in combination with arginine and it is associated with colonic propionate and butyrate concentrations. <i>Food and Function</i> , 2019, 10, 4693-4704.	2.1	28
1430	Contribution of gut microbiota to metabolism of dietary glycine betaine in mice and in vitro colonic fermentation. <i>Microbiome</i> , 2019, 7, 103.	4.9	65
1431	31Â° South: The physiology of adaptation to arid conditions in a passerine bird. <i>Molecular Ecology</i> , 2019, 28, 3709-3721.	2.0	11
1432	Pectin as an Alternative Feed Additive and Effects on Microbiota. , 2019, , 305-319.		1
1433	<i>Fusobacterium</i> nucleatum positive colorectal cancer (Review). <i>Oncology Letters</i> , 2019, 18, 975-982.	0.8	20
1434	Probiotics Beverages: An Alternative Treatment for Metabolic Syndrome. , 2019, , 459-482.		2
1435	Dysbiosis of intestinal microbiota induced by dietary oxidized fish oil and recovery of diet-induced dysbiosis via taurine supplementation in rice field eel (<i>Monopterus albus</i>). <i>Aquaculture</i> , 2019, 512, 734288.	1.7	40
1436	Current and emerging avenues for Alzheimer's disease drug targets. <i>Journal of Internal Medicine</i> , 2019, 286, 398-437.	2.7	102
1437	Prognostic Value of Plasma Trimethylamine N-Oxide Levels in Patients with Acute Ischemic Stroke. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 1201-1206.	1.7	35
1438	Identification of <i>Clostridium cochlearium</i> as an electroactive microorganism from the mouse gut microbiome. <i>Bioelectrochemistry</i> , 2019, 130, 107334.	2.4	23
1439	Effect of live yeast <i>Saccharomyces cerevisiae</i> supplementation on the performance and cecum microbial profile of suckling piglets. <i>PLoS ONE</i> , 2019, 14, e0219557.	1.1	43
1440	Bioinspired and Biomimetic Nanotherapies for the Treatment of Infectious Diseases. <i>Frontiers in Pharmacology</i> , 2019, 10, 751.	1.6	68
1441	Marine Metagenomics. , 2019, , .		1
1442	Gut microbial metabolites of linoleic acid are metabolized by accelerated peroxisomal β -oxidation in mammalian cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1619-1628.	1.2	7
1443	The effects of benzo[a]pyrene on the composition of gut microbiota and the gut health of the juvenile sea cucumber <i>Apostichopus japonicus</i> Selenka. <i>Fish and Shellfish Immunology</i> , 2019, 93, 369-379.	1.6	32
1444	Gut Microbiome and Immunity. , 2019, , 167-181.		1

#	ARTICLE	IF	CITATIONS
1445	New Aquaculture Technology Based on Host-Symbiotic Co-metabolism. , 2019, , 189-228.		0
1446	The effect of palmitic acid on inflammatory response in macrophages: an overview of molecular mechanisms. <i>Inflammation Research</i> , 2019, 68, 915-932.	1.6	263
1447	Microbiota-Immune Interaction in the Pathogenesis of Gut-Derived Infection. <i>Frontiers in Immunology</i> , 2019, 10, 1873.	2.2	91
1448	<i>Hermetia illucens</i> larvae as a potential dietary protein source altered the microbiota and modulated mucosal immune status in the colon of finishing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 50.	2.1	53
1449	Bridging intestinal immunity and gut microbiota by metabolites. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3917-3937.	2.4	176
1450	Impact of Maternal Malnutrition on Gut Barrier Defense: Implications for Pregnancy Health and Fetal Development. <i>Nutrients</i> , 2019, 11, 1375.	1.7	30
1451	The Commensal Microbiota and Viral Infection: A Comprehensive Review. <i>Frontiers in Immunology</i> , 2019, 10, 1551.	2.2	195
1452	Health Effect of Dietary Fibers. , 2019, , 125-163.		7
1453	<i>Akkermansia muciniphila</i> abundance is lower in severe obesity, but its increased level after bariatric surgery is not associated with metabolic health improvement. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E446-E459.	1.8	67
1454	The specific use of alginate from <i>Laminaria japonica</i> by <i>Bacteroides</i> species determined its modulation of the <i>Bacteroides</i> community. <i>Food and Function</i> , 2019, 10, 4304-4314.	2.1	21
1455	–The protective effect and mechanism of the FXR agonist obeticholic acid via targeting gut microbiota in non-alcoholic fatty liver disease–. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 2249-2270.	2.0	31
1456	The Chinese Herbal Formula Shenzhu Tiaopi Granule Results in Metabolic Improvement in Type 2 Diabetic Rats by Modulating the Gut Microbiota. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-14.	0.5	22
1457	Antibiotic Treatment Protocols and Germ-Free Mouse Models in Vascular Research. <i>Frontiers in Immunology</i> , 2019, 10, 2174.	2.2	25
1458	Host plants influence the composition of the gut bacteria in <i>Henosepilachna vigintioctopunctata</i> . <i>PLoS ONE</i> , 2019, 14, e0224213.	1.1	26
1459	Effect of a Chinese medical nutrition therapy diet on gut microbiota and short chain fatty acids in the simulator of the human intestinal microbial ecosystem (SHIME). <i>Journal of Functional Foods</i> , 2019, 62, 103555.	1.6	16
1460	Genetic Pathways of Aging and Their Relevance in the Dog as a Natural Model of Human Aging. <i>Frontiers in Genetics</i> , 2019, 10, 948.	1.1	36
1461	The gut–kidney–heart axis in chronic kidney disease. <i>Physiology International</i> , 2019, 106, 195-206.	0.8	43
1462	Light-Stress Influences the Composition of the Murine Gut Microbiome, Memory Function, and Plasma Metabolome. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 108.	1.6	26

#	ARTICLE	IF	CITATIONS
1463	An examination of data from the American Gut Project reveals that the dominance of the genus <i>Bifidobacterium</i> is associated with the diversity and robustness of the gut microbiota. <i>MicrobiologyOpen</i> , 2019, 8, e939.	1.2	27
1464	Finding Solutions for Optimal Reactive Power Dispatch Problem by a Novel Improved Antlion Optimization Algorithm. <i>Energies</i> , 2019, 12, 2968.	1.6	43
1465	Isolation and characterization of five novel probiotic strains from Korean infant and children faeces. <i>PLoS ONE</i> , 2019, 14, e0223913.	1.1	23
1466	Neuroinflammation and the Gut Microbiota: Possible Alternative Therapeutic Targets to Counteract Alzheimer's Disease?. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 284.	1.7	95
1467	Duck Egg White-Derived Peptide VSEE (Val ¹ -Ser ¹ -Glu ¹ -Glu) Regulates Bone and Lipid Metabolisms by Wnt/ β -Catenin Signaling Pathway and Intestinal Microbiota. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900525.	1.5	28
1468	Potential Role of Gut Microbiota in Induction and Regulation of Innate Immune Memory. <i>Frontiers in Immunology</i> , 2019, 10, 2441.	2.2	136
1469	Cross-Regional View of Functional and Taxonomic Microbiota Composition in Obesity and Post-obesity Treatment Shows Country Specific Microbial Contribution. <i>Frontiers in Microbiology</i> , 2019, 10, 2346.	1.5	17
1470	Activation of aryl hydrocarbon receptor by dioxin directly shifts gut microbiota in zebrafish. <i>Environmental Pollution</i> , 2019, 255, 113357.	3.7	25
1471	Deciphering the communication between microbes and the intestinal mucosa? A brief review on Pathogenic Microbiome Molecular's latest research. <i>Cellular Microbiology</i> , 2019, 21, e131118.	1.1	5
1472	Effect of Fermented Corn-Soybean Meal on Serum Immunity, the Expression of Genes Related to Gut Immunity, Gut Microbiota, and Bacterial Metabolites in Grower-Finisher Pigs. <i>Frontiers in Microbiology</i> , 2019, 10, 2620.	1.5	36
1473	A horizon scan of priorities for coastal marine microbiome research. <i>Nature Ecology and Evolution</i> , 2019, 3, 1509-1520.	3.4	77
1474	City life alters the gut microbiome and stable isotope profiling of the eastern water dragon (<i>Intellagama lesueurii</i>). <i>Molecular Ecology</i> , 2019, 28, 4592-4607.	2.0	27
1475	Late-Night Eating-Induced Physiological Dysregulation and Circadian Misalignment Are Accompanied by Microbial Dysbiosis. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900867.	1.5	28
1476	Effects of ammonia on intestinal microflora and productive performance of laying ducks. <i>Poultry Science</i> , 2019, 98, 1947-1959.	1.5	23
1477	Purified fraction of polysaccharides from Fuzhuan brick tea modulates the composition and metabolism of gut microbiota in anaerobic fermentation in vitro. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 858-870.	3.6	58
1478	Effects of polysaccharides on glycometabolism based on gut microbiota alteration. <i>Trends in Food Science and Technology</i> , 2019, 92, 65-70.	7.8	105
1479	Ozone-induced changes in the serum metabolome: Role of the microbiome. <i>PLoS ONE</i> , 2019, 14, e0221633.	1.1	12
1480	Oral Bacteria and Intestinal Dysbiosis in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4146.	1.8	142

#	ARTICLE	IF	CITATIONS
1481	A Reasonable Diet Promotes Balance of Intestinal Microbiota: Prevention of Precolorectal Cancer. <i>BioMed Research International</i> , 2019, 2019, 1-10.	0.9	37
1482	Dietary supplementation with fermented Mao-tai lees beneficially affects gut microbiota structure and function in pigs. <i>AMB Express</i> , 2019, 9, 26.	1.4	21
1483	Evaluation of the effects of four media on human intestinal microbiota culture in vitro. <i>AMB Express</i> , 2019, 9, 69.	1.4	22
1484	Age-dependent association of gut bacteria with coronary atherosclerosis: Tampere Sudden Death Study. <i>PLoS ONE</i> , 2019, 14, e0221345.	1.1	25
1485	Early life determinants induce sustainable changes in the gut microbiome of six-year-old children. <i>Scientific Reports</i> , 2019, 9, 12675.	1.6	32
1486	Antibiotics-Driven Gut Microbiome Perturbation Alters Immunity to Vaccines in Humans. <i>Cell</i> , 2019, 178, 1313-1328.e13.	13.5	402
1487	Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia. <i>Journal of Oleo Science</i> , 2019, 68, 909-922.	0.6	11
1488	Diverse Mechanisms Underlie Enhancement of Enteric Viruses by the Mammalian Intestinal Microbiota. <i>Viruses</i> , 2019, 11, 760.	1.5	15
1489	The Gut Microbiota in the First Decade of Life. <i>Trends in Microbiology</i> , 2019, 27, 997-1010.	3.5	368
1490	The interleukin-33 receptor contributes to pulmonary responses to ozone in male mice: role of the microbiome. <i>Respiratory Research</i> , 2019, 20, 197.	1.4	19
1491	Regulation of bile acid metabolism-related signaling pathways by gut microbiota in diseases. <i>Journal of Zhejiang University: Science B</i> , 2019, 20, 781-792.	1.3	31
1492	Decoding the microbiome for the development of translational applications: Overview, challenges and pitfalls. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	1
1493	Comparative analysis of the fecal microbiota from different species of domesticated and wild suids. <i>Scientific Reports</i> , 2019, 9, 13616.	1.6	30
1494	Characteristics of intestinal bacteria with fatty liver diseases and cirrhosis. <i>Annals of Hepatology</i> , 2019, 18, 796-803.	0.6	38
1495	Microbiome composition shapes rapid genomic adaptation of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20025-20032.	3.3	103
1496	Protective effects of the fructooligosaccharide on the growth performance, hematology, immunology indicators and survival of tambaqui (<i>Colossoma macropomum</i> , Characiformes: Tj ETQq1 1 0.784314 arXiv:1908.01010v1 [q-bio] / Overlook 10		
1497	Gut microbial transformation, a potential improving factor in the therapeutic activities of four groups of natural compounds isolated from herbal medicines. <i>FÄ-toterapÄ-tÄc</i> , 2019, 138, 104293.	1.1	16
1498	Administration of <i>Akkermansia muciniphila</i> Ameliorates Dextran Sulfate Sodium-Induced Ulcerative Colitis in Mice. <i>Frontiers in Microbiology</i> , 2019, 10, 2259.	1.5	335

#	ARTICLE	IF	CITATIONS
1499	Dendrobium sonia polysaccharide regulates immunity and restores the dysbiosis of the gut microbiota of the cyclophosphamide-induced immunosuppressed mice. Chinese Journal of Natural Medicines, 2019, 17, 600-607.	0.7	15
1500	Sample Preservation and Storage Significantly Impact Taxonomic and Functional Profiles in Metaproteomics Studies of the Human Gut Microbiome. Microorganisms, 2019, 7, 367.	1.6	32
1501	Repeated mild traumatic brain injury affects microbial diversity in rat jejunum. Journal of Biosciences, 2019, 44, 1.	0.5	23
1502	Antibiotic Exposure Disturbs the Gut Microbiota and Its Metabolic Phenotype Differently in Rats with Advanced-Stage Type 1 Diabetes and Age-Matched Controls. Journal of Proteome Research, 2019, 18, 3944-3954.	1.8	2
1503	Microbes help to track time. Science, 2019, 365, 1379-1380.	6.0	9
1504	The Microbial Pecking Order: Utilization of Intestinal Microbiota for Poultry Health. Microorganisms, 2019, 7, 376.	1.6	51
1505	Gnotobiotic mice inoculated with Firmicutes, but not Bacteroidetes, deteriorate nonalcoholic fatty liver disease severity by modulating hepatic lipid metabolism. Nutrition Research, 2019, 69, 20-29.	1.3	30
1506	Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs. Environmental Pollution, 2019, 255, 113139.	3.7	38
1507	Beneficial Effects of Dietary Polyphenols on Gut Microbiota and Strategies to Improve Delivery Efficiency. Nutrients, 2019, 11, 2216.	1.7	268
1508	Impact of the Lipopolysaccharide Chemotype of Salmonella Enterica Serovar Typhimurium on Virulence in Gnotobiotic Piglets. Toxins, 2019, 11, 534.	1.5	8
1509	Gut microbiota: A new protagonist in the risk of cardiovascular disease?. Clínica E Investigaci3n En Arteriosclerosis (English Edition), 2019, 31, 178-185.	0.1	1
1510	Gut microbiota: what is its place in pharmacology?. Expert Review of Clinical Pharmacology, 2019, 12, 921-930.	1.3	11
1511	Conceptual Development of Immunotherapeutic Approaches to Gastrointestinal Cancer. International Journal of Molecular Sciences, 2019, 20, 4624.	1.8	5
1512	Gut microbial metabolites in obesity, NAFLD and T2DM. Nature Reviews Endocrinology, 2019, 15, 261-273.	4.3	817
1513	Antibiotic treatment triggers gut dysbiosis and modulates metabolism in a chicken model of gastro-intestinal infection. BMC Veterinary Research, 2019, 15, 37.	0.7	29
1514	Altered fecal bacterial composition correlates with disease activity in inflammatory bowel disease and the extent of IL8 induction. Current Research in Translational Medicine, 2019, 67, 41-50.	1.2	29
1515	Endocrine organs of cardiovascular diseases: Gut microbiota. Journal of Cellular and Molecular Medicine, 2019, 23, 2314-2323.	1.6	27
1516	Effects of the long-term storage of human fecal microbiota samples collected in RNAlater. Scientific Reports, 2019, 9, 601.	1.6	36

#	ARTICLE	IF	CITATIONS
1517	Effects of antibiotics on degradation and bioavailability of different vitamin E forms in mice. <i>BioFactors</i> , 2019, 45, 450-462.	2.6	18
1518	Probiotic <i>Lactobacillus reuteri</i> Prevents Postantibiotic Bone Loss by Reducing Intestinal Dysbiosis and Preventing Barrier Disruption. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 681-698.	3.1	119
1519	The unique composition of Indian gut microbiome, gene catalogue, and associated fecal metabolome deciphered using multi-omics approaches. <i>GigaScience</i> , 2019, 8, .	3.3	143
1520	Protein-Bound Î²-Glucan from <i>Coriolus Versicolor</i> has Potential for Use Against Obesity. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801231.	1.5	18
1521	Immunometabolism: Insights from the <i>Drosophila</i> model. <i>Developmental and Comparative Immunology</i> , 2019, 94, 22-34.	1.0	35
1522	Exploration of microbiota targets for major depressive disorder and mood related traits. <i>Journal of Psychiatric Research</i> , 2019, 111, 74-82.	1.5	105
1523	Time-restricted feeding causes irreversible metabolic disorders and gut microbiota shift in pediatric mice. <i>Pediatric Research</i> , 2019, 85, 518-526.	1.1	32
1524	Arsenic and Heavy Metal (Cadmium, Lead, Mercury and Nickel) Contamination in Plant-Based Foods. , 2019, , 447-490.		27
1525	Gut Microbiota and Predicted Metabolic Pathways in a Sample of Mexican Women Affected by Obesity and Obesity Plus Metabolic Syndrome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 438.	1.8	129
1526	Bioactive Lipids. <i>Reference Series in Phytochemistry</i> , 2019, , 467-527.	0.2	9
1527	Contextual risk factors impacting the colonization and development of the intestinal microbiota: Implications for children in low- and middle-income countries. <i>Developmental Psychobiology</i> , 2019, 61, 714-728.	0.9	5
1528	Screening and identification of gut anaerobes (Bacteroidetes) from human diabetic stool samples with and without retinopathy in comparison to control subjects. <i>Microbial Pathogenesis</i> , 2019, 129, 88-92.	1.3	23
1529	Ancient DNA in the Study of Ancient Disease. , 2019, , 183-210.		14
1530	High-amylose Starches to Bridge the "Fiber Gap": Development, Structure, and Nutritional Functionality. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 362-379.	5.9	172
1531	Circulating Gut Microbiota Metabolite Trimethylamine N-Oxide (TMAO) and Changes in Bone Density in Response to Weight Loss Diets: The POUNDS Lost Trial. <i>Diabetes Care</i> , 2019, 42, 1365-1371.	4.3	31
1532	Effect of dietary Aloe vera polysaccharides supplementation on growth performance, feed utilization, hemato-biochemical parameters, and survival at low pH in African catfish (<i>Clarias gariepinus</i>) fingerlings. <i>International Aquatic Research</i> , 2019, 11, 57-72.	1.5	27
1533	Investigation the effect of oleoylethanolamide supplementation on the abundance of <i>Akkermansia muciniphila</i> bacterium and the dietary intakes in people with obesity: A randomized clinical trial. <i>Appetite</i> , 2019, 141, 104301.	1.8	33
1534	Microbiome-Metabolomics Analysis Investigating the Impacts of Dietary Starch Types on the Composition and Metabolism of Colonic Microbiota in Finishing Pigs. <i>Frontiers in Microbiology</i> , 2019, 10, 1143.	1.5	37

#	ARTICLE	IF	CITATIONS
1535	Drinking Warm Water Improves Growth Performance and Optimizes the Gut Microbiota in Early Postweaning Rabbits during Winter. <i>Animals</i> , 2019, 9, 346.	1.0	25
1536	Effects of <i>Lactobacillus plantarum</i> 15-1 and fructooligosaccharides on the response of broilers to pathogenic <i>Escherichia coli</i> O78 challenge. <i>PLoS ONE</i> , 2019, 14, e0212079.	1.1	32
1537	Research progress in the relationship between type 2 diabetes mellitus and intestinal flora. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109138.	2.5	205
1538	Effects of low-protein diet on the intestinal morphology, digestive enzyme activity, blood urea nitrogen, and gut microbiota and metabolites in weaned pigs. <i>Archives of Animal Nutrition</i> , 2019, 73, 287-305.	0.9	27
1539	Gastrointestinal Microbiota in Patients with Chronic Kidney Disease: A Systematic Review. <i>Advances in Nutrition</i> , 2019, 10, 888-901.	2.9	40
1540	Daily Supplementation with Fresh <i>Angelica keiskei</i> Juice Alleviates High-Fat Diet-Induced Obesity in Mice by Modulating Gut Microbiota Composition. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900248.	1.5	31
1541	Antibiotic Exposure Has Sex-Dependent Effects on the Gut Microbiota and Metabolism of Short-Chain Fatty Acids and Amino Acids in Mice. <i>MSystems</i> , 2019, 4, .	1.7	42
1542	The gut microbiota perspective for interventions in MS. <i>Autoimmunity Reviews</i> , 2019, 18, 814-824.	2.5	19
1543	In Vitro Digestion and Fermentation of Three Polysaccharide Fractions from <i>Laminaria japonica</i> and Their Impact on Lipid Metabolism-Associated Human Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7496-7505.	2.4	52
1544	Gut microbiome differences between wild and captive black rhinoceros – implications for rhino health. <i>Scientific Reports</i> , 2019, 9, 7570.	1.6	97
1545	Gut microbiota disorders cause type 2 diabetes mellitus and homeostatic disturbances in gut-related metabolism in Japanese subjects. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 64, 231-238.	0.6	44
1546	Growth performance, carcass quality characteristics and colonic microbiota profiles in finishing pigs fed diets with different inclusion levels of rice distillers™ by-product. <i>Animal Science Journal</i> , 2019, 90, 948-960.	0.6	10
1547	Dysbiosis of the intestinal microbiota in neurocritically ill patients and the risk for death. <i>Critical Care</i> , 2019, 23, 195.	2.5	84
1548	Bacterial signatures of productivity decay in <i>Penaeus monodon</i> ponds infected with PirA toxin. <i>Aquaculture</i> , 2019, 511, 734202.	1.7	14
1549	The Bidirectional Interactions between Resveratrol and Gut Microbiota: An Insight into Oxidative Stress and Inflammatory Bowel Disease Therapy. <i>BioMed Research International</i> , 2019, 2019, 1-9.	0.9	69
1550	Gut microbial modulation in the treatment of chemotherapy-induced diarrhea with Shenzhu Capsule. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 126.	3.7	22
1551	Dietary interventions, intestinal microenvironment, and obesity: a systematic review. <i>Nutrition Reviews</i> , 2019, 77, 601-613.	2.6	6
1552	Gut microbiota adaptation to high altitude in indigenous animals. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 120-126.	1.0	48

#	ARTICLE	IF	CITATIONS
1553	Pectin reduces environmental pollutant-induced obesity in mice through regulating gut microbiota: A case study of p,p'-DDE. <i>Environment International</i> , 2019, 130, 104861.	4.8	35
1554	Studies of the mechanism of fatty liver formation in Takifugu fasciatus following copper exposure. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 353-361.	2.9	27
1555	Short-term and long-term impacts of <i>Helicobacter pylori</i> eradication with reverse hybrid therapy on the gut microbiota. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 1968-1976.	1.4	39
1556	Nutrient Sensing in CD11c Cells Alters the Gut Microbiota to Regulate Food Intake and Body Mass. <i>Cell Metabolism</i> , 2019, 30, 364-373.e7.	7.2	31
1557	Core Gut Bacteria Analysis of Healthy Mice. <i>Frontiers in Microbiology</i> , 2019, 10, 887.	1.5	96
1558	Using fecal microbiota as biomarkers for predictions of performance in the selective breeding process of pedigree broiler breeders. <i>PLoS ONE</i> , 2019, 14, e0216080.	1.1	27
1559	Glycated fish protein supplementation modulated gut microbiota composition and reduced inflammation but increased accumulation of advanced glycation end products in high-fat diet fed rats. <i>Food and Function</i> , 2019, 10, 3439-3451.	2.1	25
1560	Ecophysiology of Reef-Building Corals in the Red Sea. <i>Coral Reefs of the World</i> , 2019, , 33-52.	0.3	8
1561	Nutritional Modulation of Immune and Central Nervous System Homeostasis: The Role of Diet in Development of Neuroinflammation and Neurological Disease. <i>Nutrients</i> , 2019, 11, 1076.	1.7	35
1563	Functional adaptations in the cecal and colonic metagenomes associated with the consumption of transglycosylated starch in a pig model. <i>BMC Microbiology</i> , 2019, 19, 87.	1.3	13
1564	Consumption of polysaccharides from <i>Auricularia auricular</i> modulates the intestinal microbiota in mice. <i>Food Research International</i> , 2019, 123, 383-392.	2.9	63
1565	Targeting gut microbiota as a possible therapy for mastitis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1409-1423.	1.3	44
1567	Role of Gut Microbiota in Hepatocarcinogenesis. <i>Microorganisms</i> , 2019, 7, 121.	1.6	85
1568	High-throughput sequencing of 16S rRNA amplicons characterizes gut microbiota shift of juvenile sea cucumber <i>Apostichopus japonicus</i> feeding with three antibiotics. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 1714-1725.	0.6	16
1569	Gut microbial diversity increases with social rank in the African cichlid fish, <i>Astatotilapia burtoni</i> . <i>Animal Behaviour</i> , 2019, 152, 79-91.	0.8	7
1570	Faecal Microbiota Are Related to Insulin Sensitivity and Secretion in Overweight or Obese Adults. <i>Journal of Clinical Medicine</i> , 2019, 8, 452.	1.0	68
1571	Chemoproteomic Profiling of Gut Microbiota-Associated Bile Salt Hydrolase Activity. <i>ACS Central Science</i> , 2019, 5, 867-873.	5.3	54
1572	Effects of food additives on gut microbiota: friend or foe?. <i>Nutrition and Food Science</i> , 2019, 49, 955-964.	0.4	9

#	ARTICLE	IF	CITATIONS
1573	Polyphenolic Nutraceuticals to Combat Oxidative Stress Through Microbiota Modulation. <i>Frontiers in Pharmacology</i> , 2019, 10, 492.	1.6	24
1574	Effects of <i>Codonopsis bulleyana</i> forest ex diels on <i>Deferribacteres</i> in constipation predominant intestine tumor: Differential analysis. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 395-401.	1.8	31
1575	Macrophages as Key Players during Adipose Tissueâ€œLiver Crosstalk in Nonalcoholic Fatty Liver Disease. <i>Seminars in Liver Disease</i> , 2019, 39, 291-300.	1.8	18
1576	Characterization of the Early Life Microbiota Development and Predominant <i>Lactobacillus</i> Species at Distinct Gut Segments of Low- and Normal-Birth-Weight Piglets. <i>Frontiers in Microbiology</i> , 2019, 10, 797.	1.5	48
1577	Shortâ€œchain fatty acids: Bacterial messengers modulating the immunometabolism of T cells. <i>European Journal of Immunology</i> , 2019, 49, 842-848.	1.6	116
1578	New therapeutic approaches to target gut-brain axis dysfunction during anorexia nervosa. <i>Clinical Nutrition Experimental</i> , 2019, 28, 33-41.	2.0	9
1579	Host-Microbiome Synergistic Control on Sphingolipid Metabolism by Mechanotransduction in Model Arthritis. <i>Biomolecules</i> , 2019, 9, 144.	1.8	6
1580	The impacts of natural polysaccharides on intestinal microbiota and immune responses â€œ a review. <i>Food and Function</i> , 2019, 10, 2290-2312.	2.1	157
1581	Azoreductase activity of dye-decolorizing bacteria isolated from the human gut microbiota. <i>Scientific Reports</i> , 2019, 9, 5508.	1.6	78
1582	Fermented feed regulates growth performance and the cecal microbiota community in geese. <i>Poultry Science</i> , 2019, 98, 4673-4684.	1.5	46
1583	A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. <i>Frontiers in Physiology</i> , 2018, 9, 1958.	1.3	39
1584	Gut microbiome interventions in human health and diseases. <i>Medicinal Research Reviews</i> , 2019, 39, 2286-2313.	5.0	52
1585	Alterations in the gut microbiome and metabolism with coronary artery disease severity. <i>Microbiome</i> , 2019, 7, 68.	4.9	212
1586	Evaluation and Optimization of Sample Handling Methods for Quantification of Short-Chain Fatty Acids in Human Fecal Samples by GCâ€œMS. <i>Journal of Proteome Research</i> , 2019, 18, 1948-1957.	1.8	61
1587	Interactions Between Food and Gut Microbiota: Impact on Human Health. <i>Annual Review of Food Science and Technology</i> , 2019, 10, 389-408.	5.1	52
1588	Microbial catabolism of <i>Porphyra haitanensis</i> polysaccharides by human gut microbiota. <i>Food Chemistry</i> , 2019, 289, 177-186.	4.2	98
1589	Effects of <i>Bacillus subtilis</i> DSM32315 supplementation and dietary crude protein level on performance, gut barrier function and microbiota profile in weaned piglets1. <i>Journal of Animal Science</i> , 2019, 97, 2125-2138.	0.2	44
1590	Gut eukaryotic disease-discriminatory taxa are indicative of Pacific white shrimp (<i>Litopenaeus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.7	29

#	ARTICLE	IF	CITATIONS
1591	Impacts of Duck-Origin Parvovirus Infection on Cherry Valley Ducklings From the Perspective of Gut Microbiota. <i>Frontiers in Microbiology</i> , 2019, 10, 624.	1.5	10
1592	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. <i>Cell Reports</i> , 2019, 26, 2720-2737.e5.	2.9	173
1593	Dietary lysozyme supplementation contributes to enhanced intestinal functions and gut microflora of piglets. <i>Food and Function</i> , 2019, 10, 1696-1706.	2.1	25
1594	Impact of molecular interactions with phenolic compounds on food polysaccharides functionality. <i>Advances in Food and Nutrition Research</i> , 2019, 90, 135-181.	1.5	34
1595	Validity of an observational assessment tool for multifaceted evaluation of faecal condition. <i>Scientific Reports</i> , 2019, 9, 3760.	1.6	10
1596	Isolation and characterization of a high molecular mass β -glucan from <i>Lactobacillus fermentum</i> Lf2 and evaluation of its immunomodulatory activity. <i>Carbohydrate Research</i> , 2019, 476, 44-52.	1.1	16
1597	Colonic M1 macrophage is associated with the prolongation of gastrointestinal motility and obesity in mice treated with vancomycin. <i>Molecular Medicine Reports</i> , 2019, 19, 2591-2598.	1.1	5
1598	Migration and proliferation of cancer cells in culture are differentially affected by molecular size of modified citrus pectin. <i>Carbohydrate Polymers</i> , 2019, 211, 141-151.	5.1	33
1599	Interaction between microplastics and microorganism as well as gut microbiota: A consideration on environmental animal and human health. <i>Science of the Total Environment</i> , 2019, 667, 94-100.	3.9	258
1600	Study rationale and protocol of the BARICO study: a longitudinal, prospective, observational study to evaluate the effects of weight loss on brain function and structure after bariatric surgery. <i>BMJ Open</i> , 2019, 9, e025464.	0.8	8
1602	Effects of <i>Flammulina velutipes</i> polysaccharide on immune response and intestinal microbiota in mice. <i>Journal of Functional Foods</i> , 2019, 56, 255-264.	1.6	79
1603	<i>Momordica charantia</i> (bitter melon) modulates adipose tissue inflammasome gene expression and adipose-gut inflammatory cross talk in high-fat diet (HFD)-fed mice. <i>Journal of Nutritional Biochemistry</i> , 2019, 68, 16-32.	1.9	17
1604	Precarious Symbiosis Between Host and Microbiome in Cardiovascular Health. <i>Hypertension</i> , 2019, 73, 926-935.	1.3	10
1605	Gut microbiota dysbiosis in a cohort of patients with psoriasis. <i>British Journal of Dermatology</i> , 2019, 181, 1287-1295.	1.4	128
1606	Health Benefits of Culinary Herbs and Spices. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 395-411.	0.7	147
1607	Subchronic low-dose 2,4-D exposure changed plasma acylcarnitine levels and induced gut microbiome perturbations in mice. <i>Scientific Reports</i> , 2019, 9, 4363.	1.6	22
1608	Alteration of GLP-1/GPR43 expression and gastrointestinal motility in dysbiotic mice treated with vancomycin. <i>Scientific Reports</i> , 2019, 9, 4381.	1.6	21
1609	Gut microbiota modulation and anti-inflammatory properties of anthocyanins from the fruits of <i>Lycium ruthenicum</i> Murray in dextran sodium sulfate-induced colitis in mice. <i>Free Radical Biology and Medicine</i> , 2019, 136, 96-108.	1.3	241

#	ARTICLE	IF	CITATIONS
1610	Current Understanding of the Gut Microflora in Subjects with Nutrition-Associated Metabolic Disorder Such as Obesity and/or Diabetes: Is There Any Relevance with Oral Microflora?. <i>Current Oral Health Reports</i> , 2019, 6, 100-109.	0.5	0
1611	Adaptation of the Human Gut Microbiota Metabolic Network During the First Year After Birth. <i>Frontiers in Microbiology</i> , 2019, 10, 848.	1.5	11
1612	Differential influence of molybdenum disulfide at the nanometer and micron scales in the intestinal metabolome and microbiome of mice. <i>Environmental Science: Nano</i> , 2019, 6, 1594-1606.	2.2	21
1613	Factors influencing the gut microbiome in children: from infancy to childhood. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	81
1614	Development of a RecE/T α -Assisted CRISPR α -Cas9 Toolbox for <i>Lactobacillus</i> . <i>Biotechnology Journal</i> , 2019, 14, e1800690.	1.8	66
1615	Gut <i>Prevotella</i> as a possible biomarker of diet and its eubiotic versus dysbiotic roles: a comprehensive literature review. <i>British Journal of Nutrition</i> , 2019, 122, 131-140.	1.2	204
1616	Effect of intake pattern of sulfated polysaccharides on its biological activity in high fat diet-fed mice. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 9-16.	3.6	19
1617	The gut microbiota community and antioxidant enzymes activity of barramundi reared at seawater and freshwater. <i>Fish and Shellfish Immunology</i> , 2019, 89, 127-131.	1.6	34
1618	Serum level of sex steroid hormone is associated with diversity and profiles of human gut microbiome. <i>Research in Microbiology</i> , 2019, 170, 192-201.	1.0	175
1619	Meta-analysis of fecal metagenomes reveals global microbial signatures that are specific for colorectal cancer. <i>Nature Medicine</i> , 2019, 25, 679-689.	15.2	734
1620	The Influence of the Gut Microbiome on Host Metabolism Through the Regulation of Gut Hormone Release. <i>Frontiers in Physiology</i> , 2019, 10, 428.	1.3	228
1621	Diet-Induced Epigenetic Modifications and Implications for Intestinal Diseases. , 2019, , 1513-1533.		0
1622	The effect of diet on hypertensive pathology: is there a link via gut microbiota-driven immunometabolism?. <i>Cardiovascular Research</i> , 2019, 115, 1435-1447.	1.8	58
1623	Gut microbe-derived metabolite trimethylamine N-oxide activates the cardiac autonomic nervous system and facilitates ischemia-induced ventricular arrhythmia via two different pathways. <i>EBioMedicine</i> , 2019, 44, 656-664.	2.7	25
1624	Microbiome and Human Malignancies. <i>Current Cancer Research</i> , 2019, , 1-22.	0.2	1
1625	Host and Microbiome Genome-Wide Association Studies: Current State and Challenges. <i>Frontiers in Genetics</i> , 2018, 9, 637.	1.1	71
1626	Microbiota intestinal: ¿un nuevo protagonista en el riesgo de enfermedad cardiovascular?. <i>Clínica E Investigaci3n En Arteriosclerosis</i> , 2019, 31, 178-185.	0.4	2
1627	Neuro-Immune Networks in Gastrointestinal Disorders. <i>Visceral Medicine</i> , 2019, 35, 52-60.	0.5	13

#	ARTICLE	IF	CITATIONS
1628	Connections Between Gut Microbiota and Bone Health. , 2019, , 341-348.		0
1629	Fecal Microbiota Analysis in Patients Going through a Depressive Episode during Treatment in a Psychiatric Hospital Setting. <i>Journal of Clinical Medicine</i> , 2019, 8, 164.	1.0	29
1630	Intestinal Barrier Functionâ€“Non-alcoholic Fatty Liver Disease Interactions and Possible Role of Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2754-2762.	2.4	118
1631	Dualâ€“Stimuliâ€“Responsive Gut Microbiotaâ€“Targeting Berberineâ€“CS/PTâ€“NPs Improved Metabolic Status in Obese Hamsters. <i>Advanced Functional Materials</i> , 2019, 29, 1808197.	7.8	37
1632	Genetic risk factors for eating disorders: an update and insights into pathophysiology. <i>Therapeutic Advances in Psychopharmacology</i> , 2019, 9, 204512531881473.	1.2	64
1633	Amelioration of Growth Performance, Lipid Accumulation, and Intestinal Health in Mice by a Cooked Mixture of Lean Meat and Resistant Starch. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801364.	1.5	17
1634	Comparative effect of black, green, oolong, and white tea intake on weight gain and bile acid metabolism. <i>Nutrition</i> , 2019, 65, 208-215.	1.1	40
1635	Polyamines and microbiota in bicuspid and tricuspid aortic valve aortopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 179-187.	0.9	9
1636	Dynamic Development of Fecal Microbiome During the Progression of Diabetes Mellitus in Zucker Diabetic Fatty Rats. <i>Frontiers in Microbiology</i> , 2019, 10, 232.	1.5	73
1637	Depletion of Gram-Positive Bacteria Impacts Hepatic Biological Functions During the Light Phase. <i>International Journal of Molecular Sciences</i> , 2019, 20, 812.	1.8	8
1638	A pilot study on clinicopathological features and intestinal microflora changes in colorectal cancer patients born over a nine-year period encompassing three years before and after the Great Chinese famine. <i>Cancer Epidemiology</i> , 2019, 59, 166-172.	0.8	8
1639	Establishment of an ideal gut microbiota to boost healthy growth of neonates. <i>Critical Reviews in Microbiology</i> , 2019, 45, 118-129.	2.7	16
1640	Changes in Gut Microbiota and Hormones After Bariatric Surgery: a Bench-to-Bedside Review. <i>Obesity Surgery</i> , 2019, 29, 1663-1674.	1.1	29
1641	Review article: dietary fibre in the era of microbiome science. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 506-515.	1.9	97
1642	The Glucoamylase Inhibitor Acarbose Has a Diet-Dependent and Reversible Effect on the Murine Gut Microbiome. <i>MSphere</i> , 2019, 4, .	1.3	68
1643	Data-driven multiple-level analysis of gut-microbiome-immune-joint interactions in rheumatoid arthritis. <i>BMC Genomics</i> , 2019, 20, 124.	1.2	30
1644	The Relationship between Platelet Count and Host Gut Microbiota: A Population-Based Retrospective Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 230.	1.0	8
1645	The gut microbiota and blood pressure in experimental models. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 97-104.	1.0	44

#	ARTICLE	IF	CITATIONS
1646	Antidiabetic effect of milk fermented using intestinal probiotics. Nutrition and Food Science, 2019, 49, 1063-1074.	0.4	10
1647	<i>Bifidobacterium breve</i> MCC1274 with glycosidic activity enhances <i>in vivo</i> isoflavone bioavailability. Beneficial Microbes, 2019, 10, 521-531.	1.0	11
1648	Gut Microbiota and Its Mysteries. Indian Journal of Medical Microbiology, 2019, 37, 268-277.	0.3	75
1649	Mining possible associations of faecal <i>A. muciniphila</i> colonisation patterns with host adiposity and cardiometabolic markers in an adult population. Beneficial Microbes, 2019, 10, 741-749.	1.0	12
1650	<i>Saccharomyces boulardii</i> CNCM I-745 changes lipidemic profile and gut microbiota in a hamster hypercholesterolemic model. Beneficial Microbes, 2019, 10, 555-567.	1.0	20
1652	Role of Gut Microbiota in Type 2 Diabetes Mellitus and Its Complications: Novel Insights and Potential Intervention Strategies. Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi, The, 2019, 74, 314.	0.2	40
1653	Abundance of Gut Microbiota, Concentration of Short-Chain Fatty Acids, and Inflammatory Markers Associated with Elevated Body Fat, Overweight, and Obesity in Female Adolescents. Mediators of Inflammation, 2019, 2019, 1-11.	1.4	24
1654	The Interplay between Immune System and Microbiota in Diabetes. Mediators of Inflammation, 2019, 2019, 1-10.	1.4	29
1655	Microbiome and metabonomics study of quercetin for the treatment of atherosclerosis. Cardiovascular Diagnosis and Therapy, 2019, 9, 545-560.	0.7	30
1656	Insufficient risk assessment of herbicide-tolerant genetically engineered soybeans intended for import into the EU. Environmental Sciences Europe, 2019, 31, .	2.6	14
1657	The chimpanzees of the Taï Forest as models for hominine microorganism ecology and evolution. , 2019, , 366-384.		0
1658	Characterization of the Pig Gut Microbiome and Antibiotic Resistome in Industrialized Feedlots in China. MSystems, 2019, 4, .	1.7	44
1659	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
1660	Ursolic Acid Improves Intestinal Damage and Bacterial Dysbiosis in Liver Fibrosis Mice. Frontiers in Pharmacology, 2019, 10, 1321.	1.6	36
1661	Characterization of gut microbiota in children with pulmonary tuberculosis. BMC Pediatrics, 2019, 19, 445.	0.7	43
1662	Interaction of antibacterial silver nanoparticles and microbiota-dependent holobionts revealed by metatranscriptomic analysis. Environmental Science: Nano, 2019, 6, 3242-3255.	2.2	6
1663	The Gut Microbiota in Cardiovascular Disease and Arterial Thrombosis. Microorganisms, 2019, 7, 691.	1.6	16
1664	Viral-Infected Change of the Digestive Tract Microbiota Associated With Mucosal Immunity in Teleost Fish. Frontiers in Immunology, 2019, 10, 2878.	2.2	28

#	ARTICLE	IF	CITATIONS
1665	The Role of the Gut Microbiome in Predicting Response to Diet and the Development of Precision Nutrition Modelsâ€”Part I: Overview of Current Methods. <i>Advances in Nutrition</i> , 2019, 10, 953-978.	2.9	53
1666	Temperature elevation and <i>Vibrio cyclitrophicus</i> infection reduce the diversity of haemolymph microbiome of the mussel <i>Mytilus coruscus</i> . <i>Scientific Reports</i> , 2019, 9, 16391.	1.6	27
1667	Effects of ginseng dietary supplementation on a high-Fat diet-induced obesity in C57BL/6 Mice. <i>Food Science and Human Wellness</i> , 2019, 8, 344-350.	2.2	6
1668	Human Gut Microbiome Transplantation in Ileitis Prone Mice: A Tool for the Functional Characterization of the Microbiota in Inflammatory Bowel Disease Patients. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 347-359.	0.9	12
1669	The gut microbiota modulates both browning of white adipose tissue and the activity of brown adipose tissue. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019, 20, 387-397.	2.6	68
1670	Oral Administration of miR-30d from Feces of MS Patients Suppresses MS-like Symptoms in Mice by Expanding <i>Akkermansia muciniphila</i> . <i>Cell Host and Microbe</i> , 2019, 26, 779-794.e8.	5.1	118
1671	Parallel changes in gut microbiome composition and function during colonization, local adaptation and ecological speciation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191911.	1.2	41
1672	<i>Akkermansia muciniphila</i> bacteria: a new perspective on the management of obesity: an updated review. <i>Reviews in Medical Microbiology</i> , 2019, 30, 83-89.	0.4	9
1673	Soluble Fiber and Insoluble Fiber Regulate Colonic Microbiota and Barrier Function in a Piglet Model. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	40
1674	Diet in Parkinson's Disease: Critical Role for the Microbiome. <i>Frontiers in Neurology</i> , 2019, 10, 1245.	1.1	83
1675	Enteral Nutrition in Pediatric Patients Undergoing Hematopoietic SCT Promotes the Recovery of Gut Microbiome Homeostasis. <i>Nutrients</i> , 2019, 11, 2958.	1.7	63
1676	PPAR Î´ inhibition protects against palmitic acid-LPS induced lipidosis and injury in cultured hepatocyte L02 cell. <i>International Journal of Medical Sciences</i> , 2019, 16, 1593-1603.	1.1	15
1677	Current understanding of gut microbiota alterations and related therapeutic intervention strategies in heart failure. <i>Chinese Medical Journal</i> , 2019, 132, 1843-1855.	0.9	40
1678	Distinct gut microbiota profile in antiretroviral therapy-treated perinatally HIV-infected patients associated with cardiac and inflammatory biomarkers. <i>Aids</i> , 2019, 33, 1001-1011.	1.0	31
1679	High Mobility Group Box 1 and TLR4 Signaling Pathway in Gnotobiotic Piglets Colonized/Infected with <i>L. amylovorus</i> , <i>L. mucosae</i> , <i>E. coli</i> Nissle 1917 and <i>S. Typhimurium</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 6294.	1.8	13
1680	Impact of the Gut Microbiome on Immune Checkpoint Inhibitor Efficacyâ€”A Systematic Review. <i>Current Oncology</i> , 2019, 26, 395-403.	0.9	44
1681	Effects of glucose oxidase on growth performance, gut function, and cecal microbiota of broiler chickens. <i>Poultry Science</i> , 2019, 98, 828-841.	1.5	50
1682	A Review on Gut Remediation of Selected Environmental Contaminants: Possible Roles of Probiotics and Gut Microbiota. <i>Nutrients</i> , 2019, 11, 22.	1.7	76

#	ARTICLE	IF	CITATIONS
1683	Abnormality in Maternal Dietary Calcium Intake During Pregnancy and Lactation Promotes Body Weight Gain by Affecting the Gut Microbiota in Mouse Offspring. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800399.	1.5	18
1684	Conservation metagenomics: a new branch of conservation biology. <i>Science China Life Sciences</i> , 2019, 62, 168-178.	2.3	61
1685	Influences of dietary selenomethionine exposure on tissue accumulation, blood biochemical profiles, gene expression and intestinal microbiota of <i>Carassius auratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 218, 21-29.	1.3	23
1686	High fat diet exacerbates intestinal barrier dysfunction and changes gut microbiota in intestinal-specific ACF7 knockout mice. <i>Biomedicine and Pharmacotherapy</i> , 2019, 110, 537-545.	2.5	25
1687	Enhancing Clinical Efficacy through the Gut Microbiota: A New Field of Traditional Chinese Medicine. <i>Engineering</i> , 2019, 5, 40-49.	3.2	21
1688	Crosstalk between nonalcoholic fatty liver disease and cardiometabolic syndrome. <i>Obesity Reviews</i> , 2019, 20, 599-611.	3.1	59
1689	Dietary nucleotides can directly stimulate the immunity of zebrafish independent of the intestinal microbiota. <i>Fish and Shellfish Immunology</i> , 2019, 86, 1064-1071.	1.6	28
1690	Effects of Dicafeoylquinic Acids from <i>Ilex kudingcha</i> on Lipid Metabolism and Intestinal Microbiota in High-Fat-Diet-Fed Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 171-183.	2.4	41
1691	Antibiotics and the nervous system: More than just the microbes?. <i>Brain, Behavior, and Immunity</i> , 2019, 77, 7-15.	2.0	46
1692	Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development. <i>Anaerobe</i> , 2019, 55, 67-77.	1.0	78
1693	Gut microbiota dysbiosis correlates with a low-dose PCB126-induced dyslipidemia and non-alcoholic fatty liver disease. <i>Science of the Total Environment</i> , 2019, 653, 274-282.	3.9	65
1694	Exploring the Human Microbiome: The Potential Future Role of Next-Generation Sequencing in Disease Diagnosis and Treatment. <i>Frontiers in Immunology</i> , 2018, 9, 2868.	2.2	207
1695	Gut microbiota: a potential manipulator for host adipose tissue and energy metabolism. <i>Journal of Nutritional Biochemistry</i> , 2019, 64, 206-217.	1.9	46
1696	Impact of red blood cell transfusions on intestinal barrier function in preterm infants. <i>Journal of Neonatal-Perinatal Medicine</i> , 2019, 12, 95-101.	0.4	2
1697	Interaction of gut microbiota with dysregulation of bile acids in the pathogenesis of nonalcoholic fatty liver disease and potential therapeutic implications of probiotics. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 2713-2720.	1.2	95
1698	The Role of the Virome in the Gut-Liver Axis. , 2019, , 121-131.		0
1699	Identification and quantification of oxo-bile acids in human faeces with liquid chromatography-mass spectrometry: A potent tool for human gut acidic sterolbiome studies. <i>Journal of Chromatography A</i> , 2019, 1585, 70-81.	1.8	29
1700	A four-strain probiotic exerts positive immunomodulatory effects by enhancing colonic butyrate production in vitro. <i>International Journal of Pharmaceutics</i> , 2019, 555, 1-10.	2.6	81

#	ARTICLE	IF	CITATIONS
1701	Developments on the Applications and the Suitability of Functional Fermented Sour Soba as a Viable Source of Novel Probiotics in the Managements of Gastrointestinal Disorders and Blood Lipid Profiles. , 2019, , 579-602.		1
1703	Control and dysregulation of redox signalling in the gastrointestinal tract. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 106-120.	8.2	118
1704	Microbiota and asthma: Clinical implications. <i>Respiratory Medicine</i> , 2019, 146, 28-35.	1.3	7
1705	Tea Polysaccharides as Potential Therapeutic Options for Metabolic Diseases. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5350-5360.	2.4	48
1706	Understanding and Engineering Distributed Biochemical Pathways in Microbial Communities. <i>Biochemistry</i> , 2019, 58, 94-107.	1.2	23
1707	Second-generation antipsychotics and metabolism alterations: a systematic review of the role of the gut microbiome. <i>Psychopharmacology</i> , 2019, 236, 1491-1512.	1.5	72
1708	Microbial Fermentation of Dietary Protein: An Important Factor in Dietâ€™Microbeâ€™Host Interaction. <i>Microorganisms</i> , 2019, 7, 19.	1.6	281
1709	Intestinal plasticity in response to nutrition and gastrointestinal surgery. <i>Nutrition Reviews</i> , 2019, 77, 129-143.	2.6	15
1710	Obesity Pathogenesis. <i>Endocrinology</i> , 2019, , 89-108.	0.1	0
1711	Microbial embryonal colonization during pipefish male pregnancy. <i>Scientific Reports</i> , 2019, 9, 3.	1.6	44
1712	Defective FXR-FGF15 signaling and bile acid homeostasis in cystic fibrosis mice can be restored by the laxative polyethylene glycol. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G404-G411.	1.6	11
1713	Effects of Atypical Antipsychotic Treatment and Resistant Starch Supplementation on Gut Microbiome Composition in a Cohort of Patients with Bipolar Disorder or Schizophrenia. <i>Pharmacotherapy</i> , 2019, 39, 161-170.	1.2	81
1714	Sex Differences in the Gut Microbiota as Potential Determinants of Gender Predisposition to Disease. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800870.	1.5	103
1715	Exploring the interactions between serum free fatty acids and fecal microbiota in obesity through a machine learning algorithm. <i>Food Research International</i> , 2019, 121, 533-541.	2.9	25
1716	The microbiotaâ€™gutâ€™brain axis: A promising avenue to foster healthy developmental outcomes. <i>Developmental Psychobiology</i> , 2019, 61, 772-782.	0.9	21
1717	Pilot Study of the Effect of Plantâ€™Based Enteral Nutrition on the Gut Microbiota in Chronically Ill Tubeâ€™Fed Children. <i>Journal of Parenteral and Enteral Nutrition</i> , 2019, 43, 899-911.	1.3	22
1718	Sodium in the microenvironment regulates immune responses and tissue homeostasis. <i>Nature Reviews Immunology</i> , 2019, 19, 243-254.	10.6	100
1719	New insights into oxidative stress and inflammation during diabetes mellitus-accelerated atherosclerosis. <i>Redox Biology</i> , 2019, 20, 247-260.	3.9	397

#	ARTICLE	IF	CITATIONS
1720	Predicting the associations between microbes and diseases by integrating multiple data sources and path-based HeteSim scores. <i>Neurocomputing</i> , 2019, 323, 76-85.	3.5	32
1721	Bacterial imbalance and gut pathologies: Association and contribution of <i>E. coli</i> in inflammatory bowel disease. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2019, 56, 1-17.	2.7	33
1722	Identification of TMAO-producer phenotype and host "diet" gut dysbiosis by carnitine challenge test in human and germ-free mice. <i>Gut</i> , 2019, 68, 1439-1449.	6.1	108
1723	The Costs of Living Together: Immune Responses to the Microbiota and Chronic Gut Inflammation. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	4
1724	Microbes: possible link between modern lifestyle transition and the rise of metabolic syndrome. <i>Obesity Reviews</i> , 2019, 20, 407-419.	3.1	35
1725	Helminth Microbiomes " A Hidden Treasure Trove?. <i>Trends in Parasitology</i> , 2019, 35, 13-22.	1.5	36
1726	Microbial impact on cholesterol and bile acid metabolism: current status and future prospects. <i>Journal of Lipid Research</i> , 2019, 60, 323-332.	2.0	149
1727	Neonatal Gastrointestinal Tract as a Conduit to Systemic Inflammation. , 2019, , 157-171.		0
1728	Adaptive immunity and IL-17A are not involved in the progression of chronic kidney disease after 5/6 nephrectomy in mice. <i>British Journal of Pharmacology</i> , 2019, 176, 2002-2014.	2.7	11
1729	Sinapic acid and resveratrol alleviate oxidative stress with modulation of gut microbiota in high-fat diet-fed rats. <i>Food Research International</i> , 2019, 116, 1202-1211.	2.9	120
1730	Iron influences on the Gut-Brain axis and development of type 2 diabetes. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 443-449.	5.4	11
1731	Influence of functional food components on gut health. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 1927-1936.	5.4	118
1732	Optimization of fecal sample processing for microbiome study " The journey from bathroom to bench. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 545-555.	0.8	107
1733	The urinary phenolic acid profile varies between younger and older adults after a polyphenol-rich meal despite limited differences in in vitro colonic catabolism. <i>European Journal of Nutrition</i> , 2019, 58, 1095-1111.	1.8	23
1734	Current evidence linking diet to gut microbiota and brain development and function. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 1-19.	1.3	69
1735	Postprandial endotoxemia may influence the development of type 2 diabetes mellitus: From the CORDIOPREV study. <i>Clinical Nutrition</i> , 2019, 38, 529-538.	2.3	25
1736	Transfer of maternal psychosocial stress to the fetus. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 117, 185-197.	2.9	135
1737	Impact of plant extracts upon human health: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 873-886.	5.4	92

#	ARTICLE	IF	CITATIONS
1738	Unravelling facets of milk derived opioid peptides: a focus on gut physiology, fractures and obesity. <i>International Journal of Food Sciences and Nutrition</i> , 2020, 71, 36-49.	1.3	17
1739	Arabinoxylans and gelled arabinoxylans used as anti-obesogenic agents could protect the stability of intestinal microbiota of rats consuming high-fat diets. <i>International Journal of Food Sciences and Nutrition</i> , 2020, 71, 74-83.	1.3	12
1740	Food processing, gut microbiota and the globesity problem. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 1769-1782.	5.4	51
1741	Weight loss probiotic supplementation effect in overweight and obesity subjects: A review. <i>Clinical Nutrition</i> , 2020, 39, 694-704.	2.3	17
1742	Beneficial effects of ginger on prevention of obesity through modulation of gut microbiota in mice. <i>European Journal of Nutrition</i> , 2020, 59, 699-718.	1.8	110
1743	Development of an Index Score for Intestinal Inflammation-Associated Dysbiosis Using Real-World Stool Test Results. <i>Digestive Diseases and Sciences</i> , 2020, 65, 1111-1124.	1.1	11
1744	The effects of artificial light at night on Eurasian tree sparrow (<i>Passer montanus</i>): Behavioral rhythm disruption, melatonin suppression and intestinal microbiota alterations. <i>Ecological Indicators</i> , 2020, 108, 105702.	2.6	28
1745	Intestinal microbiota of white shrimp, <i>Litopenaeus vannamei</i> , fed diets containing <i>Bacillus subtilis</i> E20 fermented soybean meal (FSBM) or an antimicrobial peptide derived from <i>B. Subtilis</i> E20 FSBM. <i>Aquaculture Research</i> , 2020, 51, 41-50.	0.9	22
1746	Characterization of Gut Microbiota, Bile Acid Metabolism, and Cytokines in Intrahepatic Cholangiocarcinoma. <i>Hepatology</i> , 2020, 71, 893-906.	3.6	100
1747	Gut microbiota is associated with adiposity markers and probiotics may impact specific genera. <i>European Journal of Nutrition</i> , 2020, 59, 1751-1762.	1.8	26
1748	Synergistic and antagonistic interactions between antibiotics and synbiotics in modifying the murine fecal microbiome. <i>European Journal of Nutrition</i> , 2020, 59, 1831-1844.	1.8	9
1749	Daily intake of wheat germ-enriched bread may promote a healthy gut bacterial microbiota: a randomised controlled trial. <i>European Journal of Nutrition</i> , 2020, 59, 1951-1961.	1.8	6
1750	Links between the gut microbiota, metabolism, and host behavior. <i>Gut Microbes</i> , 2020, 11, 245-248.	4.3	20
1751	Improvement on metabolic syndrome in high fat diet-induced obese mice through modulation of gut microbiota by sangguayin decoction. <i>Journal of Ethnopharmacology</i> , 2020, 246, 112225.	2.0	38
1752	A New Approach to Polycystic Ovary Syndrome: The Gut Microbiota. <i>Journal of the American College of Nutrition</i> , 2020, 39, 371-382.	1.1	80
1753	Impact of Postnatal Antibiotics and Parenteral Nutrition on the Gut Microbiota in Preterm Infants During Early Life. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 639-654.	1.3	22
1754	The fungal community and its interaction with the concentration of short-chain fatty acids in the faeces of Chenghua, Yorkshire and Tibetan pigs. <i>Microbial Biotechnology</i> , 2020, 13, 509-521.	2.0	17
1756	Could High-Amylose Wheat Have Greater Benefits on Diabesity and Gut Health than Standard Whole-wheat?. <i>Food Reviews International</i> , 2020, 36, 713-725.	4.3	3

#	ARTICLE	IF	CITATIONS
1757	Mucosal Vaccines for Aged: Challenges and Struggles in Immunosenescence. , 2020, , 789-808.		0
1758	Dietary Habits of 2- to 9-Year-Old American Children Are Associated with Gut Microbiome Composition. Journal of the Academy of Nutrition and Dietetics, 2020, 120, 517-534.	0.4	34
1759	Impact of probiotics and prebiotics targeting metabolic syndrome. Journal of Functional Foods, 2020, 64, 103666.	1.6	50
1760	Probiotics for the treatment of type 2 diabetes: A review of randomized controlled trials. Diabetes/Metabolism Research and Reviews, 2020, 36, e3213.	1.7	54
1761	Hydroxycinnamic acids and human health: recent advances. Journal of the Science of Food and Agriculture, 2020, 100, 483-499.	1.7	96
1762	A metabolomics footprint approach to understanding the benefits of synbiotics in functional foods and dietary therapeutics for health, communicable and non-communicable diseases. Food Research International, 2020, 128, 108679.	2.9	15
1763	Is a vegan or a vegetarian diet associated with the microbiota composition in the gut? Results of a new cross-sectional study and systematic review. Critical Reviews in Food Science and Nutrition, 2020, 60, 2990-3004.	5.4	47
1764	The Evolving Microbiome from Pregnancy to Early Infancy: A Comprehensive Review. Nutrients, 2020, 12, 133.	1.7	98
1765	Gut microbiota composition alterations are associated with the onset of diabetes in kidney transplant recipients. PLoS ONE, 2020, 15, e0227373.	1.1	18
1766	Therapeutic effects of noni fruit water extract and polysaccharide on oxidative stress and inflammation in mice under high-fat diet. Food and Function, 2020, 11, 1133-1145.	2.1	13
1767	Involvement of the Gut Microbiota and Barrier Function in Glucocorticoid-Induced Osteoporosis. Journal of Bone and Mineral Research, 2020, 35, 801-820.	3.1	101
1768	Nutrients and neurogenesis: the emerging role of autophagy and gut microbiota. Current Opinion in Pharmacology, 2020, 50, 46-52.	1.7	14
1769	Microbial bioconversion of the chemical components in dark tea. Food Chemistry, 2020, 312, 126043.	4.2	193
1770	Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice. Food Research International, 2020, 130, 108939.	2.9	79
1771	Dietary legumes, intestinal microbiota, inflammation and colorectal cancer. Journal of Functional Foods, 2020, 64, 103707.	1.6	15
1772	Intestinal Availability and Metabolic Effects of Dietary <i>Camelina</i> Sphingolipids during the Metabolic Syndrome Onset in Mice. Journal of Agricultural and Food Chemistry, 2020, 68, 788-798.	2.4	3
1773	Distant Immune and Microbiome Regulation. , 2020, , 599-611.		0
1774	The Mouse Gut Microbial Biobank expands the coverage of cultured bacteria. Nature Communications, 2020, 11, 79.	5.8	55

#	ARTICLE	IF	CITATIONS
1775	Cereal-derived arabinoxylans: Structural features and structure-activity correlations. Trends in Food Science and Technology, 2020, 96, 157-165.	7.8	71
1776	Raman deuterium isotope probing to study metabolic activities of single bacterial cells in human intestinal microbiota. Microbial Biotechnology, 2020, 13, 572-583.	2.0	48
1777	A Review of the Role of the Gut Microbiome in Personalized Sports Nutrition. Frontiers in Nutrition, 2019, 6, 191.	1.6	76
1778	Effects of exopolysaccharide fractions with different molecular weights and compositions on fecal microflora during in vitro fermentation. International Journal of Biological Macromolecules, 2020, 144, 76-84.	3.6	28
1779	Biliary Jejunostomy Might Improve Glucose in Type 2 Diabetes Patients. Obesity Surgery, 2020, 30, 1446-1451.	1.1	2
1780	Taxonomic and functional changes in the microbiota of the white shrimp (<i>Litopenaeus vannamei</i>) associated with postlarval ontogenetic development. Aquaculture, 2020, 518, 734842.	1.7	20
1781	The Role of Gut Microbiota in Host Lipid Metabolism: An Eye on Causation and Connection. Small Methods, 2020, 4, 1900604.	4.6	3
1782	Intestinal microbiome and NAFLD: molecular insights and therapeutic perspectives. Journal of Gastroenterology, 2020, 55, 142-158.	2.3	105
1783	Jiao-tai-wan inhibits inflammation of the gut-brain-axis and attenuates cognitive impairment in insomnic rats. Journal of Ethnopharmacology, 2020, 250, 112478.	2.0	17
1784	Childhood obesity: an overview of laboratory medicine, exercise and microbiome. Clinical Chemistry and Laboratory Medicine, 2020, 58, 1385-1406.	1.4	11
1785	Benzene exposure induces gut microbiota dysbiosis and metabolic disorder in mice. Science of the Total Environment, 2020, 705, 135879.	3.9	39
1786	The gut microbiome: an orchestrator of xenobiotic metabolism. Acta Pharmaceutica Sinica B, 2020, 10, 19-32.	5.7	154
1787	Microbiota associated with the skin, gills, and gut of the fish <i>Parachondrostoma toxostoma</i> from the Rhône basin. Freshwater Biology, 2020, 65, 446-459.	1.2	14
1788	Non-alcoholic fatty liver diseases: from role of gut microbiota to microbial-based therapies. European Journal of Clinical Microbiology and Infectious Diseases, 2020, 39, 613-627.	1.3	33
1789	Enrichment and identification of small proteins in a simplified human gut microbiome. Journal of Proteomics, 2020, 213, 103604.	1.2	32
1790	Scutellariae radix and coptidis rhizoma ameliorate glycolipid metabolism of type 2 diabetic rats by modulating gut microbiota and its metabolites. Applied Microbiology and Biotechnology, 2020, 104, 303-317.	1.7	112
1791	Perilla oil regulates intestinal microbiota and alleviates insulin resistance through the PI3K/AKT signaling pathway in type-2 diabetic KKAY mice. Food and Chemical Toxicology, 2020, 135, 110965.	1.8	49
1792	Protective effects of grape seed procyanidin extract on intestinal barrier dysfunction induced by a long-term high-fat diet. Journal of Functional Foods, 2020, 64, 103663.	1.6	25

#	ARTICLE	IF	CITATIONS
1793	Acanthocephalan parasites in sea otters: Why we need to look beyond associated mortality. Marine Mammal Science, 2020, 36, 676-689.	0.9	4
1794	Combined effects of <i>Scutellaria baicalensis</i> with metformin on glucose tolerance of patients with type 2 diabetes via gut microbiota modulation. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E52-E61.	1.8	28
1795	Single-cell transcriptome analysis reveals differential nutrient absorption functions in human intestine. Journal of Experimental Medicine, 2020, 217, .	4.2	227
1796	Dietary fiber and its associations with depression and inflammation. Nutrition Reviews, 2020, 78, 394-411.	2.6	93
1797	Microbiota, a Third Player in the Host-Plasmodium Affair. Trends in Parasitology, 2020, 36, 11-18.	1.5	20
1798	Cyanobacterial blooms alter the relative importance of neutral and selective processes in assembling freshwater bacterioplankton community. Science of the Total Environment, 2020, 706, 135724.	3.9	42
1799	Gut Microbiota Are Associated With Psychological Stress-Induced Defections in Intestinal and Blood-Brain Barriers. Frontiers in Microbiology, 2019, 10, 3067.	1.5	62
1800	A Diet-Dependent Microbiota Profile Associated with Incident Type 2 Diabetes: From the CORDIOPREV Study. Molecular Nutrition and Food Research, 2020, 64, 2000730.	1.5	7
1801	Dietary Epigallocatechin-3-Gallate Alters the Gut Microbiota of Obese Diabetic <i>db/db</i> Mice: <i>Lactobacillus</i> Is a Putative Target. Journal of Medicinal Food, 2020, 23, 1033-1042.	0.8	22
1802	Oral delivery of bacteria: Basic principles and biomedical applications. Journal of Controlled Release, 2020, 327, 801-833.	4.8	55
1803	Light at night affects gut microbial community and negatively impacts host physiology in diurnal animals: Evidence from captive zebra finches. Microbiological Research, 2020, 241, 126597.	2.5	11
1804	A novel role for the pineal gland: Regulating seasonal shifts in the gut microbiota of Siberian hamsters. Journal of Pineal Research, 2020, 69, e12696.	3.4	12
1805	Gut microbiota and old age: Modulating factors and interventions for healthy longevity. Experimental Gerontology, 2020, 141, 111095.	1.2	61
1806	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased <i>Akkermansia muciniphila</i> in Mice. Nutrients, 2020, 12, 2932.	1.7	45
1807	Antioxidant and prebiotic potential of <i>Murraya koenigii</i> and <i>Brassica oleracea</i> var. botrytis leaves as food ingredient. Journal of Agriculture and Food Research, 2020, 2, 100069.	1.2	13
1808	The human gut microbiota is neither an organ nor a commensal. FEBS Letters, 2020, 594, 3262-3271.	1.3	28
1809	Intestinal Microbiota in Colorectal Cancer Surgery. Cancers, 2020, 12, 3011.	1.7	30
1810	What Was First, Obesity or Inflammatory Bowel Disease? What Does the Gut Microbiota Have to Do with It?. Nutrients, 2020, 12, 3073.	1.7	15

#	ARTICLE	IF	CITATIONS
1811	Integrated omics analysis unraveled the microbiome-mediated effects of Yijin-Tang on hepatosteatosis and insulin resistance in obese mouse. <i>Phytomedicine</i> , 2020, 79, 153354.	2.3	15
1812	Autism Spectrum Disorder Associated With Gut Microbiota at Immune, Metabolomic, and Neuroactive Level. <i>Frontiers in Neuroscience</i> , 2020, 14, 578666.	1.4	68
1813	Effects of starvation on enzyme activities and intestinal microflora composition in loach (<i>Paramisgurnus dabryanus</i>). <i>Aquaculture Reports</i> , 2020, 18, 100467.	0.7	8
1814	Dietary L-arginine supplementation enhances growth performance, intestinal antioxidative capacity, immunity and modulates gut microbiota in yellow-feathered chickens. <i>Poultry Science</i> , 2020, 99, 6935-6945.	1.5	18
1815	Swine gut microbiota and its interaction with host nutrient metabolism. <i>Animal Nutrition</i> , 2020, 6, 410-420.	2.1	41
1816	Both Gut Microbiota and Differentially Expressed Proteins Are Relevant to the Development of Obesity. <i>BioMed Research International</i> , 2020, 2020, 1-11.	0.9	5
1817	The Impact of Mushroom Polysaccharides on Gut Microbiota and Its Beneficial Effects to Host: A Review. <i>Carbohydrate Polymers</i> , 2020, 250, 116942.	5.1	91
1819	The intestinal microbial metabolite desaminotyrosine is an anti-inflammatory molecule that modulates local and systemic immune homeostasis. <i>FASEB Journal</i> , 2020, 34, 16117-16128.	0.2	22
1820	Prebiotics Encapsulated Probiotic Spores Regulate Gut Microbiota and Suppress Colon Cancer. <i>Advanced Materials</i> , 2020, 32, e2004529.	11.1	128
1821	Effects of Dietary Supplementation with Î³-Selenocarrageenan on the Selenium Accumulation and Intestinal Microbiota of the Sea Cucumbers <i>Apostichopus japonicus</i> . <i>Biological Trace Element Research</i> , 2021, 199, 2753-2763.	1.9	2
1822	<i>Monascus</i> vinegar-mediated alternation of gut microbiota and its correlation with lipid metabolism and inflammation in hyperlipidemic rats. <i>Journal of Functional Foods</i> , 2020, 74, 104152.	1.6	19
1823	Colchicine increases intestinal permeability, suppresses inflammatory responses, and alters gut microbiota in mice. <i>Toxicology Letters</i> , 2020, 334, 66-77.	0.4	30
1824	Early Life Disruption of the Microbiota Affects Organ Development and Cytokine Gene Expression in Threespine Stickleback. <i>Integrative and Comparative Biology</i> , 2020, , .	0.9	5
1825	Fubrick tea attenuates high-fat diet induced fat deposition and metabolic disorder by regulating gut microbiota and caffeine metabolism. <i>Food and Function</i> , 2020, 11, 6971-6986.	2.1	47
1826	Anti-Obesity Effect of <i>Lactobacillus plantarum</i> LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice. <i>Journal of Medicinal Food</i> , 2020, 23, 750-759.	0.8	15
1827	Long-term changes in the gut microbiota after 14-day bismuth quadruple therapy in penicillin allergic children. <i>Helicobacter</i> , 2020, 25, e12721.	1.6	23
1828	Beneficial effect of symbiotic supplementation during pregnancy in high fat diet-induced metabolic disorder in rats: Role of Chemerin. <i>Obesity Medicine</i> , 2020, 19, 100247.	0.5	5
1829	Macrofungi: A review of cultivation strategies, bioactivity, and application of mushrooms. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 2333-2356.	5.9	86

#	ARTICLE	IF	CITATIONS
1830	Interactions Between Gut Microbiota, Host, and Herbal Medicines: A Review of New Insights Into the Pathogenesis and Treatment of Type 2 Diabetes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 360.	1.8	25
1831	The role of the gut microbiota in the pathophysiology of mental and neurological disorders. <i>Psychiatric Genetics</i> , 2020, 30, 87-100.	0.6	7
1832	Spatial heterogeneity of bacterial colonization across different gut segments following inter-species microbiota transplantation. <i>Microbiome</i> , 2020, 8, 161.	4.9	63
1833	Intestinal permeability and bacterial translocation in patients with liver disease, focusing on alcoholic aetiology: methods of assessment and therapeutic intervention. <i>Therapeutic Advances in Gastroenterology</i> , 2020, 13, 175628482094261.	1.4	18
1834	Da-Chai-Hu Decoction Ameliorates High Fat Diet-Induced Nonalcoholic Fatty Liver Disease Through Remodeling the Gut Microbiota and Modulating the Serum Metabolism. <i>Frontiers in Pharmacology</i> , 2020, 11, 584090.	1.6	33
1835	Triclosan leads to dysregulation of the metabolic regulator FGF21 exacerbating high fat diet-induced nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31259-31266.	3.3	43
1836	Dietary Ginsenoside T19 Supplementation Regulates Glucose and Lipid Metabolism via AMPK and PI3K Pathways and Its Effect on Intestinal Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14452-14462.	2.4	26
1837	Microbiota and Obesity: Where Are We Now?. <i>Biology</i> , 2020, 9, 415.	1.3	45
1838	Nuciferine modulates the gut microbiota and prevents obesity in high-fat diet-fed rats. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1959-1975.	3.2	70
1839	The Effect of Xylooligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 568457.	1.5	10
1840	Role of Sirtuins in Modulating Neurodegeneration of the Enteric Nervous System and Central Nervous System. <i>Frontiers in Neuroscience</i> , 2020, 14, 614331.	1.4	34
1841	Recovery of gut microbiota in mice exposed to tetracycline hydrochloride and their correlation with host metabolism. <i>Ecotoxicology</i> , 2021, 30, 1620-1631.	1.1	6
1842	Regulation of Enteroendocrine Cell Networks by the Major Human Gut Symbiont Bacteroides thetaiotaomicron. <i>Frontiers in Microbiology</i> , 2020, 11, 575595.	1.5	27
1843	Probiotics for the Treatment of Overweight and Obesity in Humans—A Review of Clinical Trials. <i>Microorganisms</i> , 2020, 8, 1148.	1.6	63
1844	Analysis of Gut Microbiome and Metabolite Characteristics in Patients with Slow Transit Constipation. <i>Digestive Diseases and Sciences</i> , 2021, 66, 3026-3035.	1.1	37
1845	Vascular consequences of inflammation: a position statement from the ESH Working Group on Vascular Structure and Function and the ARTERY Society. <i>Journal of Hypertension</i> , 2020, 38, 1682-1698.	0.3	102
1846	Toxicological responses of <i>Carassius auratus</i> induced by benzophenone-3 exposure and the association with alteration of gut microbiota. <i>Science of the Total Environment</i> , 2020, 747, 141255.	3.9	23
1847	Protein O-GlcNAc Modification Links Dietary and Gut Microbial Cues to the Differentiation of Enteroendocrine L Cells. <i>Cell Reports</i> , 2020, 32, 108013.	2.9	27

#	ARTICLE	IF	CITATIONS
1848	Children and COVID-19: Microbiological and immunological insights. <i>Pediatric Pulmonology</i> , 2020, 55, 2547-2555.	1.0	19
1849	The Butyrogenic and Lactic Bacteria of the Gut Microbiota Determine the Outcome of Allogenic Hematopoietic Cell Transplant. <i>Frontiers in Microbiology</i> , 2020, 11, 1642.	1.5	23
1850	Systems Biology Approaches to Understand the Host-Microbiome Interactions in Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2020, 14, 716.	1.4	39
1851	Effect of exposure to gaseous hydrogen sulphide on cecal microbial diversity of weaning pigs. <i>Veterinary Medicine and Science</i> , 2021, 7, 424.	0.6	2
1852	17 β -Estradiol supplementation changes gut microbiota diversity in intact and colorectal cancer-induced ICR male mice. <i>Scientific Reports</i> , 2020, 10, 12283.	1.6	34
1853	Pediatric obesity: prevention is better than care. <i>Italian Journal of Pediatrics</i> , 2020, 46, 103.	1.0	21
1854	Rhubarb Enema Improved Colon Mucosal Barrier Injury in 5/6 Nephrectomy Rats May Associate With Gut Microbiota Modification. <i>Frontiers in Pharmacology</i> , 2020, 11, 1092.	1.6	40
1855	Asthma and Obesity in Children. <i>Biomedicines</i> , 2020, 8, 231.	1.4	23
1856	Memory CD8+ T Cells Balance Pro- and Anti-inflammatory Activity by Reprogramming Cellular Acetate Handling at Sites of Infection. <i>Cell Metabolism</i> , 2020, 32, 457-467.e5.	7.2	37
1857	The Gut Microbiota Communities of Wild Arboreal and Ground-Feeding Tropical Primates Are Affected Differently by Habitat Disturbance. <i>MSystems</i> , 2020, 5, .	1.7	36
1858	Liver Cirrhosis and Sarcopenia from the Viewpoint of Dysbiosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5254.	1.8	28
1859	Impact of Protein Intake in Older Adults with Sarcopenia and Obesity: A Gut Microbiota Perspective. <i>Nutrients</i> , 2020, 12, 2285.	1.7	47
1860	Methionine Restriction Regulates Cognitive Function in High-Fat Diet-Fed Mice: Roles of Diurnal Rhythms of SCFAs Producing and Inflammation-Related Microbes. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000190.	1.5	30
1861	<i>Lactobacillus reuteri</i> Ameliorates Intestinal Inflammation and Modulates Gut Microbiota and Metabolic Disorders in Dextran Sulfate Sodium-Induced Colitis in Mice. <i>Nutrients</i> , 2020, 12, 2298.	1.7	50
1862	Benzo[a]pyrene induces microbiome dysbiosis and inflammation in the intestinal tracts of western mosquitofish (<i>Gambusia affinis</i>) and zebrafish (<i>Danio rerio</i>). <i>Fish and Shellfish Immunology</i> , 2020, 105, 24-34.	1.6	15
1863	A carbohydrate-active enzyme (CAZy) profile links successful metabolic specialization of <i>Prevotella</i> to its abundance in gut microbiota. <i>Scientific Reports</i> , 2020, 10, 12411.	1.6	22
1864	Toward a porcine in vivo model to analyze the pathogenesis of TLR5-dependent enteropathies. <i>Gut Microbes</i> , 2020, 12, 1782163.	4.3	1
1865	CoMNRank: An integrated approach to extract and prioritize human microbial metabolites from MEDLINE records. <i>Journal of Biomedical Informatics</i> , 2020, 109, 103524.	2.5	4

#	ARTICLE	IF	CITATIONS
1866	Circadian rhythms and the gut microbiota: from the metabolic syndrome to cancer. <i>Nature Reviews Endocrinology</i> , 2020, 16, 731-739.	4.3	149
1867	Gut dysbiosis induced by cardiac pressure overload enhances adverse cardiac remodeling in a T cell-dependent manner. <i>Gut Microbes</i> , 2020, 12, 1823801.	4.3	75
1868	Fecal Microbiota Changes in Patients With Postpartum Depressive Disorder. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 567268.	1.8	32
1869	Chinese Medicinal Herbs Targeting the Gut–Liver Axis and Adipose Tissue–Liver Axis for Non-Alcoholic Fatty Liver Disease Treatments: The Ancient Wisdom and Modern Science. <i>Frontiers in Endocrinology</i> , 2020, 11, 572729.	1.5	15
1870	Behavioral and neurophysiological taste responses to sweet and salt are diminished in a model of subclinical intestinal inflammation. <i>Scientific Reports</i> , 2020, 10, 17611.	1.6	9
1871	Gut Microbiota and Oral Contraceptive Use in Overweight and Obese Patients with Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4792-e4800.	1.8	38
1872	Short chain fatty acids in human gut and metabolic health. <i>Beneficial Microbes</i> , 2020, 11, 411-455.	1.0	435
1873	Application of n-of-1 Clinical Trials in Personalized Nutrition Research: A Trial Protocol for Westlake N-of-1 Trials for Macronutrient Intake (WE-MACNUTR). <i>Current Developments in Nutrition</i> , 2020, 4, nzaa143.	0.1	11
1874	Low Phytate Peas (<i>Pisum sativum</i> L.) Improve Iron Status, Gut Microbiome, and Brush Border Membrane Functionality In Vivo (<i>Gallus gallus</i>). <i>Nutrients</i> , 2020, 12, 2563.	1.7	24
1875	Prebiotic agavin in juvenile totoaba, <i>Totoaba macdonaldi</i> diets, to relieve soybean meal-induced enteritis: Growth performance, gut histology and microbiota. <i>Aquaculture Nutrition</i> , 2020, 26, 2115-2134.	1.1	15
1876	Host and altitude factors affect rumen bacteria in cattle. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1573-1583.	0.8	10
1877	Modulation of the host microbiome by black raspberries or their components and the therapeutic implications in cancer. <i>Food Frontiers</i> , 2020, 1, 296-304.	3.7	6
1878	Fructooligosaccharides improve growth performance and intestinal epithelium function in weaned pigs exposed to enterotoxigenic <i>Escherichia coli</i> . <i>Food and Function</i> , 2020, 11, 9599-9612.	2.1	15
1879	Multi-omics Approaches To Decipher the Impact of Diet and Host Physiology on the Mammalian Gut Microbiome. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	24
1880	The Effect of Probiotic Yogurt Containing <i>Lactobacillus Acidophilus</i> LA-5 and <i>Bifidobacterium Lactis</i> BB-12 on Selected Anthropometric Parameters in Obese Individuals on an Energy-Restricted Diet: A Randomized, Controlled Trial. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5830.	1.3	10
1881	The potential role of the gut microbiota in shaping host energetics and metabolic rate. <i>Journal of Animal Ecology</i> , 2020, 89, 2415-2426.	1.3	52
1882	Effect of <i>Lactobacillus rhamnosus</i> GG on Energy Metabolism, Leptin Resistance, and Gut Microbiota in Mice with Diet-Induced Obesity. <i>Nutrients</i> , 2020, 12, 2557.	1.7	50
1884	Astragaloside Attenuates Dextran Sulfate Sodium (DSS)-Induced Acute Experimental Colitis by Alleviating Gut Microbiota Dysbiosis and Inhibiting NF- κ B Activation in Mice. <i>Frontiers in Immunology</i> , 2020, 11, 2058.	2.2	102

#	ARTICLE	IF	CITATIONS
1885	Optimal integration between host physiology and functions of the gut microbiome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190594.	1.8	23
1886	Anti-Obesity and Gut Microbiota Modulation Effect of Secoiridoid-Enriched Extract from <i>Fraxinus mandshurica</i> Seeds on High-Fat Diet-Fed Mice. <i>Molecules</i> , 2020, 25, 4001.	1.7	18
1887	Prebiotics and Community Composition Influence Gas Production of the Human Gut Microbiota. <i>MBio</i> , 2020, 11, .	1.8	23
1888	Maternal gut microbes shape the early-life assembly of gut microbiota in passerine chicks via nests. <i>Microbiome</i> , 2020, 8, 129.	4.9	40
1889	Epigenetic Effects of Gut Metabolites: Exploring the Path of Dietary Prevention of Type 1 Diabetes. <i>Frontiers in Nutrition</i> , 2020, 7, 563605.	1.6	13
1890	Does probiotic supplementation aid weight loss? A randomized, single-blind, placebo-controlled study with <i>Bifidobacterium lactis</i> BS01 and <i>Lactobacillus acidophilus</i> LA02 supplementation. <i>Eating and Weight Disorders</i> , 2020, 26, 1719-1727.	1.2	3
1891	Western Diet: Implications for Brain Function and Behavior. <i>Frontiers in Psychology</i> , 2020, 11, 564413.	1.1	62
1892	Six-Week Exercise Training With Dietary Restriction Improves Central Hemodynamics Associated With Altered Gut Microbiota in Adolescents With Obesity. <i>Frontiers in Endocrinology</i> , 2020, 11, 569085.	1.5	21
1893	Assessing the Multivariate Relationship between the Human Infant Intestinal Exfoliated Cell Transcriptome (Exfoliome) and Microbiome in Response to Diet. <i>Microorganisms</i> , 2020, 8, 2032.	1.6	7
1894	Modulation of Gut Microbiota and Oxidative Status by β -Carotene in Late Pregnant Sows. <i>Frontiers in Nutrition</i> , 2020, 7, 612875.	1.6	20
1895	The Protective Role of Probiotics against Colorectal Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	21
1896	An altered microbiome in urban coyotes mediates relationships between anthropogenic diet and poor health. <i>Scientific Reports</i> , 2020, 10, 22207.	1.6	34
1897	Role of Genome-Wide Association Studies in Host Genetics: Toward Understanding of Microbiome Association. , 2020, , 37-54.		0
1898	Inhibitory Effects of Apigenin on Tumor Carcinogenesis by Altering the Gut Microbiota. <i>Mediators of Inflammation</i> , 2020, 2020, 1-9.	1.4	18
1899	The biological effects of microencapsulated organic acids and botanicals induces tissue-specific and dose-dependent changes to the <i>Gallus gallus</i> microbiota. <i>BMC Microbiology</i> , 2020, 20, 332.	1.3	9
1900	The Microbiota and Gut-Related Disorders: Insights from Animal Models. <i>Cells</i> , 2020, 9, 2401.	1.8	18
1901	Atg16l1 in dendritic cells is required for antibacterial defense and autophagy in murine colitis. <i>IUBMB Life</i> , 2020, 72, 2686-2695.	1.5	5
1902	Biomimetic Gut Model Systems for Development of Targeted Microbial Solutions for Enhancing Warfighter Health and Performance. <i>MSystems</i> , 2020, 5, .	1.7	1

#	ARTICLE	IF	CITATIONS
1903	Chemically or surgically induced thyroid dysfunction altered gut microbiota in rat models. <i>FASEB Journal</i> , 2020, 34, 8686-8701.	0.2	14
1904	Thermo-TRPs and gut microbiota are involved in thermogenesis and energy metabolism during low temperature exposure of obese mice. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	14
1905	The effect of synbiotic supplementation on anthropometric indices, appetite, and constipation in people with hypothyroidism: A randomized, double-blind, placebo-controlled trial. <i>Phytotherapy Research</i> , 2020, 34, 2712-2720.	2.8	9
1906	Odd-numbered agaro-oligosaccharides alleviate type 2 diabetes mellitus and related colonic microbiota dysbiosis in mice. <i>Carbohydrate Polymers</i> , 2020, 240, 116261.	5.1	41
1907	The in vitro Effect of Fibers With Different Degrees of Polymerization on Human Gut Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 819.	1.5	23
1908	Effect of partial black soldier fly (<i>Hermetia illucens</i> L.) larvae meal replacement of fish meal in practical diets on the growth, digestive enzyme and related gene expression for rice field eel (<i>Monopterus albus</i>). <i>Aquaculture Reports</i> , 2020, 17, 100345.	0.7	39
1909	Progress in the Treatment of Diabetes Mellitus Based on Intestinal Flora Homeostasis and the Advancement of Holistic Analysis Methods. <i>Natural Product Communications</i> , 2020, 15, 1934578X2091841.	0.2	1
1910	Association between risk of preeclampsia and maternal plasma trimethylamine-N-oxide in second trimester and at the time of delivery. <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 302.	0.9	11
1911	Long-Term Galactooligosaccharides Supplementation Decreases the Development of Obesity and Insulin Resistance in Mice Fed a Western-Type Diet. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900922.	1.5	26
1912	The Perfect Sleeve Gastrectomy. , 2020, , .		6
1913	Biocompatible modified water as a non-pharmaceutical approach to prevent metabolic syndrome features in obesogenic diet-fed mice. <i>Food and Chemical Toxicology</i> , 2020, 141, 111403.	1.8	0
1914	Unexpected Observations: Probiotic Administration Greatly Aggravates the Reproductive Toxicity of Perfluorobutanesulfonate in Zebrafish. <i>Chemical Research in Toxicology</i> , 2020, 33, 1605-1608.	1.7	10
1915	Chronic Kidney Disease-Associated Immune Dysfunctions: Impact of Protein-Bound Uremic Retention Solutes on Immune Cells. <i>Toxins</i> , 2020, 12, 300.	1.5	66
1916	The influence of prenatal and intrapartum antibiotics on intestinal microbiota colonisation in infants: A systematic review. <i>Journal of Infection</i> , 2020, 81, 190-204.	1.7	65
1917	Antibiotic exposure postweaning disrupts the neurochemistry and function of enteric neurons mediating colonic motor activity. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G1042-G1053.	1.6	27
1918	New Insights into Molecular Links Between Microbiota and Gastrointestinal Cancers: A Literature Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3212.	1.8	23
1919	Individual and cohort-specific gut microbiota patterns associated with tissue-specific insulin sensitivity in overweight and obese males. <i>Scientific Reports</i> , 2020, 10, 7523.	1.6	21
1920	Apples as a Source of Soluble and Insoluble Dietary Fibers: Effect of Dietary Fibers on Appetite. <i>Human Physiology</i> , 2020, 46, 224-234.	0.1	8

#	ARTICLE	IF	CITATIONS
1921	<i>Lactobacillus reuteri</i> attenuates cardiac injury without lowering cholesterol in low-density lipoprotein receptor-deficient mice fed standard chow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H32-H41.	1.5	15
1922	Gut Microbiota and Gestational Diabetes Mellitus: A Review of Host-Gut Microbiota Interactions and Their Therapeutic Potential. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 188.	1.8	113
1923	Bamboo nutrients and microbiome affect gut microbiome of giant panda. <i>Symbiosis</i> , 2020, 80, 293-304.	1.2	12
1924	Gut Microbiota Metabolism and Interaction with Food Components. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3688.	1.8	88
1925	On the Role of Peripheral Sensory and Gut Mu Opioid Receptors: Peripheral Analgesia and Tolerance. <i>Molecules</i> , 2020, 25, 2473.	1.7	16
1926	Probiotic Modulation of Lipid Metabolism Disorders Caused by Perfluorobutanesulfonate Pollution in Zebrafish. <i>Environmental Science & Technology</i> , 2020, 54, 7494-7503.	4.6	64
1927	The dichotomous role of the gut microbiome in exacerbating and ameliorating neurodegenerative disorders. <i>Expert Review of Neurotherapeutics</i> , 2020, 20, 673-686.	1.4	26
1928	Nutritional Requirements for Sustaining Health and Performance During Exposure to Extreme Environments. <i>Annual Review of Nutrition</i> , 2020, 40, 221-245.	4.3	18
1929	Nutrition Regulates Innate Immunity in Health and Disease. <i>Annual Review of Nutrition</i> , 2020, 40, 189-219.	4.3	41
1930	Tangshen formula modulates gut Microbiota and reduces gut-derived toxins in diabetic nephropathy rats. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110325.	2.5	34
1931	Feruloylated oligosaccharides and ferulic acid alter gut microbiome to alleviate diabetic syndrome. <i>Food Research International</i> , 2020, 137, 109410.	2.9	71
1932	SYNERGISM BETWEEN PROBIOTICS AND HERBS TO MANAGE TYPE 2 DIABETES IN RATS. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2020, , 26-35.	0.3	2
1933	Microbiota and enteric viruses infection. <i>Medicine in Microecology</i> , 2020, 3, 100006.	0.7	4
1934	Health beneficial effects of resistant starch on diabetes and obesity <i>via</i> regulation of gut microbiota: a review. <i>Food and Function</i> , 2020, 11, 5749-5767.	2.1	45
1935	Ursolic acid alleviates hypercholesterolemia and modulates the gut microbiota in hamsters. <i>Food and Function</i> , 2020, 11, 6091-6103.	2.1	21
1936	Age-Related Variation of Bacterial and Fungal Communities in Different Body Habitats across the Young, Elderly, and Centenarians in Sardinia. <i>MSphere</i> , 2020, 5, .	1.3	45
1937	A specific gut microbiota and metabolomic profiles shifts related to antidiabetic action: The similar and complementary antidiabetic properties of type 3 resistant starch from <i>Canna edulis</i> and metformin. <i>Pharmacological Research</i> , 2020, 159, 104985.	3.1	33
1938	Combining proteogenomics and metaproteomics for deep taxonomic and functional characterization of microbiomes from a non-sequenced host. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 23.	2.9	20

#	ARTICLE	IF	CITATIONS
1939	Could the gut microbiota community in the coral trout <i>Plectropomus leopardus</i> (Lacepede) be affected by overlock? <i>Journal of Applied Microbiology</i> , 2020, 127, 100000.	0.6	11
1940	Metabolic syndrome, depression, and fibromyalgia syndrome prevalence in patients with irritable bowel syndrome. <i>Medicine (United States)</i> , 2020, 99, e20577.	0.4	8
1941	Focus on the Role of NLRP3 Inflammasome in Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4223.	1.8	162
1942	The microbiota of Kalathaki and Melichloro Greek artisanal cheeses comprises functional lactic acid bacteria. <i>LWT - Food Science and Technology</i> , 2020, 130, 109570.	2.5	17
1943	Suppression of High-Fat Diet-Induced Obesity by <i>Platycodon Grandiflorus</i> in Mice Is Linked to Changes in the Gut Microbiota. <i>Journal of Nutrition</i> , 2020, 150, 2364-2374.	1.3	17
1944	Effects of Dietary Fat Profile on Gut Microbiota in Valproate Animal Model of Autism. <i>Frontiers in Medicine</i> , 2020, 7, 151.	1.2	9
1945	Automatic extraction, prioritization and analysis of gut microbial metabolites from biomedical literature. <i>Scientific Reports</i> , 2020, 10, 9996.	1.6	2
1946	The potential role of the gut microbiota in modulating renal function in experimental diabetic nephropathy murine models established in same environment. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165764.	1.8	46
1947	Calcipotriol and iBRD9 reduce obesity in Nur77 knockout mice by regulating the gut microbiota, improving intestinal mucosal barrier function. <i>International Journal of Obesity</i> , 2020, 44, 1052-1061.	1.6	3
1948	Potential Effects of Indole-3-Lactic Acid, a Metabolite of Human Bifidobacteria, on NGF-Induced Neurite Outgrowth in PC12 Cells. <i>Microorganisms</i> , 2020, 8, 398.	1.6	48
1949	Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. <i>Toxics</i> , 2020, 8, 19.	1.6	66
1950	Microbiome and Cardiovascular Disease. <i>Handbook of Experimental Pharmacology</i> , 2020, , 1.	0.9	8
1951	Nonalcoholic Fatty Liver Disease. <i>Handbook of Experimental Pharmacology</i> , 2020, , 1.	0.9	6
1952	Growth and health status of Pacific white shrimp, <i>Litopenaeus vannamei</i> , exposed to chronic water born cobalt. <i>Fish and Shellfish Immunology</i> , 2020, 100, 137-145.	1.6	30
1953	Interactions between resveratrol and gut microbiota affect the development of hepatic steatosis: A fecal microbiota transplantation study in high-fat diet mice. <i>Journal of Functional Foods</i> , 2020, 67, 103883.	1.6	18
1954	Gut microbiota and aging-A focus on centenarians. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165765.	1.8	45
1955	Targeting Gut Microbiota Dysbiosis: Potential Intervention Strategies for Neurological Disorders. <i>Engineering</i> , 2020, 6, 415-423.	3.2	26
1956	An indoor study of the combined effect of industrial pollution and turbulence events on the gut environment in a marine invertebrate. <i>Marine Environmental Research</i> , 2020, 158, 104950.	1.1	13

#	ARTICLE	IF	CITATIONS
1957	Pharmacodynamic material basis of traditional Chinese medicine based on biomacromolecules: a review. <i>Plant Methods</i> , 2020, 16, 26.	1.9	33
1958	Dynamic balancing of intestinal short-chain fatty acids: The crucial role of bacterial metabolism. <i>Trends in Food Science and Technology</i> , 2020, 100, 118-130.	7.8	102
1959	<i>Bifidobacterium animalis</i> subsp. <i>lactis</i> GCL2505 modulates host energy metabolism via the short-chain fatty acid receptor GPR43. <i>Scientific Reports</i> , 2020, 10, 4158.	1.6	57
1960	Host and body site-specific adaptation of <i>Lactobacillus crispatus</i> genomes. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa001.	1.5	21
1961	Short-chain fatty acids as potential regulators of skeletal muscle metabolism and function. <i>Nature Metabolism</i> , 2020, 2, 840-848.	5.1	194
1962	Attenuation of the Hepatoprotective Effects of Ileal Apical Sodium Dependent Bile Acid Transporter (ASBT) Inhibition in Choline-Deficient L-Amino Acid-Defined (CDAA) Diet-Fed Mice. <i>Frontiers in Medicine</i> , 2020, 7, 60.	1.2	12
1963	The role of gut microbiota in bone homeostasis. <i>Bone</i> , 2020, 135, 115317.	1.4	78
1964	Adding Appropriate Fiber in Diet Increases Diversity and Metabolic Capacity of Distal Gut Microbiota Without Altering Fiber Digestibility and Growth Rate of Finishing Pig. <i>Frontiers in Microbiology</i> , 2020, 11, 533.	1.5	39
1965	The Relationship between Prevention and Treatment of Colorectal Cancer and Cancerous Toxin Pathogenesis Theory Basing on Gut Microbiota. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	0.5	7
1966	Obesity Affects the Microbiota-Gut-Brain Axis and the Regulation Thereof by Endocannabinoids and Related Mediators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1554.	1.8	60
1967	Effects of Drinking Water Temperature and Flow Rate during Cold Season on Growth Performance, Nutrient Digestibility and Cecum Microflora of Weaned Piglets. <i>Animals</i> , 2020, 10, 1048.	1.0	6
1968	Effects of reducing dietary fishmeal with yeast supplementations on <i>Litopenaeus vannamei</i> growth, immune response and disease resistance against <i>Vibrio harveyi</i> . <i>Microbiological Research</i> , 2020, 239, 126554.	2.5	19
1969	Gut Microbiome and Metabolome Were Altered and Strongly Associated With Platelet Count in Adult Patients With Primary Immune Thrombocytopenia. <i>Frontiers in Microbiology</i> , 2020, 11, 1550.	1.5	15
1970	Revealing the microbial assemblage structure in the human gut microbiome using latent Dirichlet allocation. <i>Microbiome</i> , 2020, 8, 95.	4.9	22
1971	Interaction of dietary polyphenols and gut microbiota: Microbial metabolism of polyphenols, influence on the gut microbiota, and implications on host health. <i>Food Frontiers</i> , 2020, 1, 109-133.	3.7	172
1972	Probiotic modulation of perfluorobutanesulfonate toxicity in zebrafish: Disturbances in retinoid metabolism and visual physiology. <i>Chemosphere</i> , 2020, 258, 127409.	4.2	19
1973	<i>Bacillus subtilis</i> PB6 based probiotic supplementation plays a role in the recovery after the necrotic enteritis challenge. <i>PLoS ONE</i> , 2020, 15, e0232781.	1.1	24
1974	Targeting the Intestinal Microbiota to Prevent Type 2 Diabetes and Enhance the Effect of Metformin on Glycaemia: A Randomised Controlled Pilot Study. <i>Nutrients</i> , 2020, 12, 2041.	1.7	65

#	ARTICLE	IF	CITATIONS
1975	Coprophygy prevention alters microbiome, metabolism, neurochemistry, and cognitive behavior in a small mammal. <i>ISME Journal</i> , 2020, 14, 2625-2645.	4.4	62
1976	Metabolite Profiling of the Gut Microbiome in Mice with Dietary Administration of Black Raspberries. <i>ACS Omega</i> , 2020, 5, 1318-1325.	1.6	10
1977	Relationship Between the Gut Microbiome and Systemic Chemotherapy. <i>Digestive Diseases and Sciences</i> , 2020, 65, 874-884.	1.1	35
1978	Attenuated <i>Salmonella</i> engineered with an apoptosis-inducing factor (AIF) eukaryotic expressing system enhances its anti-tumor effect in melanoma in vitro and in vivo. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3517-3528.	1.7	11
1979	Tendentious effects of automated and manual metagenomic DNA purification protocols on broiler gut microbiome taxonomic profiling. <i>Scientific Reports</i> , 2020, 10, 3419.	1.6	19
1980	<i>Bifidobacterium</i> from breastfed infant faeces prevent high-fat diet-induced glucose tolerance impairment, mediated by the modulation of glucose intake and the incretin hormone secretion axis. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3308-3318.	1.7	11
1981	Whole mung bean (<i>Vigna radiata</i> L.) supplementation prevents high-fat diet-induced obesity and disorders in a lipid profile and modulates gut microbiota in mice. <i>European Journal of Nutrition</i> , 2020, 59, 3617-3634.	1.8	28
1982	Effects of dietary marine microalgae, <i>Tetraselmis suecica</i> , on production, gene expression, protein markers and bacterial count of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Aquaculture Research</i> , 2020, 51, 2216-2228.	0.9	66
1983	Aged citrus peel (<i>chenpi</i>) extract causes dynamic alteration of colonic microbiota in high-fat diet induced obese mice. <i>Food and Function</i> , 2020, 11, 2667-2678.	2.1	59
1984	Diets naturally rich in polyphenols and/or long-chain n-3 polyunsaturated fatty acids differently affect microbiota composition in high-cardiometabolic-risk individuals. <i>Acta Diabetologica</i> , 2020, 57, 853-860.	1.2	40
1985	Ultrasonic/microwave-assisted extraction, simulated digestion, and fermentation in vitro by human intestinal flora of polysaccharides from <i>Porphyra haitanensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 152, 748-756.	3.6	65
1986	From role of gut microbiota to microbial-based therapies in type 2-diabetes. <i>Infection, Genetics and Evolution</i> , 2020, 81, 104268.	1.0	53
1987	Enterotype identification and its influence on regulating the duodenum metabolism in chickens. <i>Poultry Science</i> , 2020, 99, 1515-1527.	1.5	22
1988	Investigation of the impact of gut microbiotas on fertility of stored sperm by types of hens. <i>Poultry Science</i> , 2020, 99, 1174-1184.	1.5	5
1989	Gut Microbiota Plasticity Influences the Adaptability of Wild and Domestic Animals in Co-inhabited Areas. <i>Frontiers in Microbiology</i> , 2020, 11, 125.	1.5	23
1990	Antimicrobial and antibiofilm activity of <i>Cannabis sativa</i> L. seeds extract against <i>Staphylococcus aureus</i> and growth effects on probiotic <i>Lactobacillus</i> spp.. <i>LWT - Food Science and Technology</i> , 2020, 124, 109149.	2.5	39
1991	Developing infant gut microflora and complementary nutrition. <i>Journal of the Royal Society of New Zealand</i> , 2020, 50, 384-396.	1.0	4
1992	OGG1 deficiency alters the intestinal microbiome and increases intestinal inflammation in a mouse model. <i>PLoS ONE</i> , 2020, 15, e0227501.	1.1	18

#	ARTICLE	IF	CITATIONS
1993	Obese Adolescents With PCOS Have Altered Biodiversity and Relative Abundance in Gastrointestinal Microbiota. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2134-e2144.	1.8	83
1994	Cationic conjugated polymers for enhancing beneficial bacteria adhesion and biofilm formation in gut microbiota. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110815.	2.5	11
1995	Host Species and Body Site Explain the Variation in the Microbiota Associated to Wild Sympatric Mediterranean Teleost Fishes. <i>Microbial Ecology</i> , 2020, 80, 212-222.	1.4	25
1996	Arsenic transformation mediated by gut microbiota affects the fecundity of <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , 2020, 260, 113991.	3.7	8
1997	Trimethylamine-N-Oxide Promotes Vascular Calcification Through Activation of NLRP3 (Nucleotide-Binding Domain, Leucine-Rich-Containing Family, Pyrin Domain-Containing-3) Inflammasome and NF- κ B (Nuclear Factor κ B) Signals. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 751-765.	1.1	138
1998	Relationship Between the Gastrointestinal Side Effects of an Anti-Hypertensive Medication and Changes in the Serum Lipid Metabolome. <i>Nutrients</i> , 2020, 12, 205.	1.7	4
1999	Reduction of serum cholesterol and its mechanism by <i>Lactobacillus plantarum</i> H6 screened from local fermented food products. <i>Food and Function</i> , 2020, 11, 1397-1409.	2.1	28
2000	Cow's milk polar lipids reduce atherogenic lipoprotein cholesterol, modulate gut microbiota and attenuate atherosclerosis development in LDL-receptor knockout mice fed a Western-type diet. <i>Journal of Nutritional Biochemistry</i> , 2020, 79, 108351.	1.9	30
2001	<i>Lactobacillus rhamnosus</i> Reduces Blood Glucose Level through Downregulation of Gluconeogenesis Gene Expression in Streptozotocin-Induced Diabetic Rats. <i>International Journal of Food Science</i> , 2020, 2020, 1-12.	0.9	25
2002	Mitochondria: An Integrative Hub Coordinating Circadian Rhythms, Metabolism, the Microbiome, and Immunity. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 51.	1.8	37
2003	Different Effects of Premature Infant Formula and Breast Milk on Intestinal Microecological Development in Premature Infants. <i>Frontiers in Microbiology</i> , 2019, 10, 3020.	1.5	22
2004	Phage-Guided Targeting, Discriminative Imaging, and Synergistic Killing of Bacteria by AIE Bioconjugates. <i>Journal of the American Chemical Society</i> , 2020, 142, 3959-3969.	6.6	143
2005	Prebiotics metabolism by gut-isolated probiotics. <i>Journal of Food Science and Technology</i> , 2020, 57, 2786-2799.	1.4	27
2006	Effects of spaceflight on the composition and function of the human gut microbiota. <i>Gut Microbes</i> , 2020, 11, 807-819.	4.3	32
2007	Gut microbiota and blood metabolomics in weaning multiparous sows: Associations with oestrous. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1155-1168.	1.0	16
2008	Effect of Daesihotang on obesity with non-alcoholic fatty liver disease: a study protocol for a randomised, double-blind, placebo-controlled pilot trial. <i>Trials</i> , 2020, 21, 128.	0.7	8
2009	The Influence of Polyphenol Compounds on Human Gastrointestinal Tract Microbiota. <i>Nutrients</i> , 2020, 12, 350.	1.7	37
2010	The interaction between dietary marine components and intestinal flora. <i>Marine Life Science and Technology</i> , 2020, 2, 161-171.	1.8	12

#	ARTICLE	IF	CITATIONS
2011	Changes in calf productivity and resistance as a result of using the lactulose-based feed additive. <i>BIO Web of Conferences</i> , 2020, 17, 00170.	0.1	0
2012	Gut Microbiome Influences the Efficacy of PD-1 Antibody Immunotherapy on MSS-Type Colorectal Cancer via Metabolic Pathway. <i>Frontiers in Microbiology</i> , 2020, 11, 814.	1.5	94
2013	Effects of exercise frequency on the gut microbiota in elderly individuals. <i>MicrobiologyOpen</i> , 2020, 9, e1053.	1.2	42
2014	A formulated diet improved digestive capacity, immune function and intestinal microbiota structure of juvenile hybrid grouper (<i>Epinephelus fuscoguttatus</i> × <i>Epinephelus lanceolatus</i>) when compared with chilled trash fish. <i>Aquaculture</i> , 2020, 523, 735230.	1.7	21
2015	Total replacement of fish meal with soybean meal in diets for bullfrog (<i>Lithobates catesbeianus</i>): Effects on growth performance and gut microbial composition. <i>Aquaculture</i> , 2020, 524, 735236.	1.7	37
2016	Effects of <i>Lactobacillus pentosus</i> HC-2 on the growth performance, intestinal morphology, immune-related genes and intestinal microbiota of <i>Penaeus vannamei</i> affected by aflatoxin B1. <i>Aquaculture</i> , 2020, 525, 735289.	1.7	19
2017	Assessment of oral ciprofloxacin impaired gut barrier integrity on gut bacteria in mice. <i>International Immunopharmacology</i> , 2020, 83, 106460.	1.7	11
2018	Dietary L-arginine supplementation ameliorates inflammatory response and alters gut microbiota composition in broiler chickens infected with <i>Salmonella enterica</i> serovar Typhimurium. <i>Poultry Science</i> , 2020, 99, 1862-1874.	1.5	40
2019	Alleviating effects of noni fruit polysaccharide on hepatic oxidative stress and inflammation in rats under a high-fat diet and its possible mechanisms. <i>Food and Function</i> , 2020, 11, 2953-2968.	2.1	50
2020	Establishment and Application of Peristaltic Human Gut-Vessel Microsystem for Studying Host-Microbial Interaction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 272.	2.0	37
2021	Dual Oxidase-Derived Reactive Oxygen Species Against <i>Bacillus thuringiensis</i> and Its Suppression by Eicosanoid Biosynthesis Inhibitors. <i>Frontiers in Microbiology</i> , 2020, 11, 528.	1.5	20
2022	Microbial Medicine: Prebiotic and Probiotic Functional Foods to Target Obesity and Metabolic Syndrome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2890.	1.8	133
2023	Dietary Isomalto/Malto-Oligosaccharides Increase Fecal Bulk and Microbial Fermentation in Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000251.	1.5	7
2024	Changes of Resting Energy Expenditure in Type 2 Diabetes Rats After Roux-en-Y Gastric Bypass. <i>Obesity Surgery</i> , 2020, 30, 2994-3000.	1.1	3
2025	Microbiota and cancer: host cellular mechanisms activated by gut microbial metabolites. <i>International Journal of Medical Microbiology</i> , 2020, 310, 151425.	1.5	41
2026	MICOM: Metagenome-Scale Modeling To Infer Metabolic Interactions in the Gut Microbiota. <i>MSystems</i> , 2020, 5, .	1.7	126
2027	The Regulatory Effects of a Formulation of <i>Cinnamomum osmophloeum</i> Kaneh and <i>Taiwanofungus camphoratus</i> on Metabolic Syndrome and the Gut Microbiome. <i>Plants</i> , 2020, 9, 383.	1.6	5
2028	Insights into the reason of Human-Residential <i>Bifidobacteria</i> (HRB) being the natural inhabitants of the human gut and their potential health-promoting benefits. <i>FEMS Microbiology Reviews</i> , 2020, 44, 369-385.	3.9	69

#	ARTICLE	IF	CITATIONS
2029	Resveratrol reduces obesity in high-fat diet-fed mice via modulating the composition and metabolic function of the gut microbiota. <i>Free Radical Biology and Medicine</i> , 2020, 156, 83-98.	1.3	134
2030	Gut Microbiota and Pathogenesis of Organ Injury. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	7
2031	Insulin resistance and obesity. , 2020, , 1-70.		0
2032	Study of the alleviation effects of a combination of <i>Lactobacillus rhamnosus</i> and inulin on mice with colitis. <i>Food and Function</i> , 2020, 11, 3823-3837.	2.1	69
2033	Characterisation of the gut microbial community of rhesus macaques in high-altitude environments. <i>BMC Microbiology</i> , 2020, 20, 68.	1.3	25
2034	Polysaccharide extracted from WuGuChong reduces high-fat diet-induced obesity in mice by regulating the composition of intestinal microbiota. <i>Nutrition and Metabolism</i> , 2020, 17, 27.	1.3	11
2035	Effects of adding sodium dichloroacetate to low-protein diets on nitrogen balance and amino acid metabolism in the portal-drained viscera and liver of pigs. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 36.	2.1	7
2036	Effects of sex and chronic cigarette smoke exposure on the mouse cecal microbiome. <i>PLoS ONE</i> , 2020, 15, e0230932.	1.1	14
2037	<i>Lactobacillus rhamnosus</i> , <i>Lactobacillus plantarum</i> , and <i>Lactobacillus intestinalis</i> : Three Potential Biomarkers of Gut Microbiota That Affect Progression and Complications of Obesity-Induced Type 2 Diabetes Mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 835-850.	1.1	35
2038	Role of Gut Microbiota in Neuroendocrine Regulation of Carbohydrate and Lipid Metabolism via the Microbiota-Gut-Brain-Liver Axis. <i>Microorganisms</i> , 2020, 8, 527.	1.6	101
2039	Dietary fibre intake and its association with inflammatory markers in adolescents. <i>British Journal of Nutrition</i> , 2021, 125, 329-336.	1.2	5
2040	Probiotics in microbiome ecological balance providing a therapeutic window against cancer. <i>Seminars in Cancer Biology</i> , 2021, 70, 24-36.	4.3	46
2041	Hypoglycemic mechanism of polysaccharide from <i>Cyclocarya paliurus</i> leaves in type 2 diabetic rats by gut microbiota and host metabolism alteration. <i>Science China Life Sciences</i> , 2021, 64, 117-132.	2.3	42
2042	Research Progress on the Involvement of ANGPTL4 and Loss-of-Function Variants in Lipid Metabolism and Coronary Heart Disease: Is the 'Prime Time' of ANGPTL4-Targeted Therapy for Coronary Heart Disease Approaching?. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 467-477.	1.3	18
2043	Diet drives convergent evolution of gut microbiomes in bamboo-eating species. <i>Science China Life Sciences</i> , 2021, 64, 88-95.	2.3	43
2044	A systems biology approach to understand gut microbiota and host metabolism in morbid obesity: design of the BARIA Longitudinal Cohort Study. <i>Journal of Internal Medicine</i> , 2021, 289, 340-354.	2.7	28
2045	Gut-brain axis: A matter of concern in neuropsychiatric disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 104, 110051.	2.5	42
2046	Microbiome analysis and predicted relative metabolomic turnover suggest bacterial heme and selenium metabolism are altered in the gastrointestinal system of zebrafish (<i>Danio rerio</i>) exposed to the organochlorine dieldrin. <i>Environmental Pollution</i> , 2021, 268, 115715.	3.7	13

#	ARTICLE	IF	CITATIONS
2047	Chronic consumption of thermally processed palm oil or canola oil modified gut microflora of rats. <i>Food Science and Human Wellness</i> , 2021, 10, 94-102.	2.2	12
2048	A unifying hypothesis on the central role of reactive oxygen species in bacterial pathogenesis and host defense in <i>C. elegans</i> . <i>Current Opinion in Immunology</i> , 2021, 68, 9-20.	2.4	13
2049	Space and patchiness affects diversityâ€“function relationships in fungal decay communities. <i>ISME Journal</i> , 2021, 15, 720-731.	4.4	2
2050	Role of Gut Microbiota in the Skeletal Response to PTH. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 636-645.	1.8	20
2051	Subacute toxicity of mesoporous silica nanoparticles to the intestinal tract and the underlying mechanism. <i>Journal of Hazardous Materials</i> , 2021, 409, 124502.	6.5	40
2052	The impact of the microbiota-gut-brain axis on Alzheimerâ€™s disease pathophysiology. <i>Pharmacological Research</i> , 2021, 164, 105314.	3.1	144
2053	Nutritional and therapeutic approaches for protecting human gut microbiota from psychotropic treatments. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 108, 110182.	2.5	7
2054	Breath Biopsy and Discovery of Exclusive Volatile Organic Compounds for Diagnosis of Infectious Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 564194.	1.8	53
2055	Gut Microbial Dysbiosis in the Pathogenesis of Gastrointestinal Dysmotility and Metabolic Disorders. <i>Journal of Neurogastroenterology and Motility</i> , 2021, 27, 19-34.	0.8	111
2056	Modulation of gut microbiota and intestinal metabolites by lactulose improves loperamide-induced constipation in mice. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105676.	1.9	23
2057	Prevention of loperamide induced constipation in mice by KGM and the mechanisms of different gastrointestinal tract microbiota regulation. <i>Carbohydrate Polymers</i> , 2021, 256, 117418.	5.1	34
2058	Chemical Oxygen Demand Can Be Converted to Gross Energy for Food Items Using a Linear Regression Model. <i>Journal of Nutrition</i> , 2021, 151, 445-453.	1.3	7
2059	Insoluble dietary fiber derived from brown seaweed <i>Laminaria japonica</i> ameliorate obesity-related features via modulating gut microbiota dysbiosis in high-fat dietâ€“fed mice. <i>Food and Function</i> , 2021, 12, 587-601.	2.1	23
2060	Microbiome diversity and dysbiosis in aquaculture. <i>Reviews in Aquaculture</i> , 2021, 13, 1077-1096.	4.6	74
2061	Gut Microbiota in Patients with Morbid Obesity Before and After Bariatric Surgery: a Ten-Year Review Study (2009â€“2019). <i>Obesity Surgery</i> , 2021, 31, 317-326.	1.1	18
2062	Role of gut microbiota in identification of novel TCM-derived active metabolites. <i>Protein and Cell</i> , 2021, 12, 394-410.	4.8	69
2063	Emerging role of gut microbiota in modulation of neuroinflammation and neurodegeneration with emphasis on Alzheimer's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 106, 110112.	2.5	115
2064	Effect of gaseous hydrogen sulphide on growth performance and cecal microbial diversity of weaning pigs. <i>Veterinary Medicine and Science</i> , 2021, 7, 424-431.	0.6	4

#	ARTICLE	IF	CITATIONS
2065	High-throughput sequencing reveals significant diversity in the gut microbiomes of humpback		



#	ARTICLE	IF	CITATIONS
2083	Ginseng ameliorates exercise-induced fatigue potentially by regulating the gut microbiota. <i>Food and Function</i> , 2021, 12, 3954-3964.	2.1	30
2084	Metagenomic Analysis of the Gut Microbiome Reveals Enrichment of Menaquinones (Vitamin K2) Pathway in Diabetes Mellitus. <i>Diabetes and Metabolism Journal</i> , 2021, 45, 77-85.	1.8	22
2085	The gut microbiome in drug-resistant epilepsy. <i>Epilepsia Open</i> , 2021, 6, 28-37.	1.3	24
2086	Casein-fed mice showed faster recovery from DSS-induced colitis than chicken-protein-fed mice. <i>Food and Function</i> , 2021, 12, 5806-5820.	2.1	8
2087	The beneficial effects of <i>Lactobacillus brevis</i> FZU0713-fermented <i>Laminaria japonica</i> on lipid metabolism and intestinal microbiota in hyperlipidemic rats fed with a high-fat diet. <i>Food and Function</i> , 2021, 12, 7145-7160.	2.1	26
2088	<i>Blautia</i> "a new functional genus with potential probiotic properties?. <i>Gut Microbes</i> , 2021, 13, 1-21.	4.3	541
2089	Mucilage as a functional food hydrocolloid: ongoing and potential applications in prebiotics and nutraceuticals. <i>Food and Function</i> , 2021, 12, 4738-4748.	2.1	19
2090	Personalized nutrition for colorectal cancer. <i>Advances in Cancer Research</i> , 2021, 151, 109-136.	1.9	3
2091	The Fecal and Serum Metabolomics of Giant Pandas Based on Untargeted Metabolomics. <i>Zoological Science</i> , 2021, 38, 179-186.	0.3	2
2092	Holistic Fitness: Microbiomes are Part of the Holobiont's Fitness. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , 2021, , 101-160.	0.2	1
2093	Gut Microbiota in Patients with Polycystic Ovary Syndrome: a Systematic Review. <i>Reproductive Sciences</i> , 2022, 29, 69-83.	1.1	39
2094	Improving glucose and lipids metabolism: drug development based on bile acid related targets. <i>Cell Stress</i> , 2021, 5, 1-18.	1.4	8
2095	Comparative Study of Oral Bacteria and Fungi Microbiota in Tibetan and Chinese Han Living at Different Altitude. <i>Tohoku Journal of Experimental Medicine</i> , 2021, 254, 129-139.	0.5	10
2096	The gut-brain axis in vertebrates: implications for food intake regulation. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	19
2097	Emerging Roles for the Gut Microbiome in Lymphoid Neoplasms. <i>Clinical Medicine Insights: Oncology</i> , 2021, 15, 117955492110241.	0.6	8
2098	Non-Alcoholic Fatty Liver Disease: From Pathogenesis to Clinical Impact. <i>Processes</i> , 2021, 9, 135.	1.3	62
2099	Alhagi honey polysaccharides attenuate intestinal injury and immune suppression in cyclophosphamide-induced mice. <i>Food and Function</i> , 2021, 12, 6863-6877.	2.1	28
2100	Seasonal shifts in the gut microbiome indicate plastic responses to diet in wild geladas. <i>Microbiome</i> , 2021, 9, 26.	4.9	105

#	ARTICLE	IF	CITATIONS
2101	Bone and the microbiome. , 2021, , 969-988.		0
2103	The Therapeutic Mechanisms of Gut Microbiota Regulated by Traditional Chinese Medicines for Obesity Epidemic. Pharmacy Information, 2021, 10, 203-208.	0.1	0
2104	Honey and its nutritional and anti-inflammatory value. BMC Complementary Medicine and Therapies, 2021, 21, 30.	1.2	100
2105	Gut Microbiota and Human Body Interactions; Its Impact on Health: A Review. Current Pharmaceutical Biotechnology, 2022, 23, 4-14.	0.9	16
2106	Intestinal Microbiota and Perspectives of the Use of Meta-Analysis for Comparison of Ulcerative Colitis Studies. Journal of Clinical Medicine, 2021, 10, 462.	1.0	14
2107	The gut microbiota is a transmissible determinant of skeletal maturation. ELife, 2021, 10, .	2.8	25
2108	Gut microbiota and their effects on atherosclerosis, platelet function, and hypertension. , 2021, , 295-309.		0
2109	Lysates of <i>Methylococcus capsulatus</i> Bath induce a lean-like microbiota, intestinal FoxP3+ROR γ t+IL-17+ Tregs and improve metabolism. Nature Communications, 2021, 12, 1093.	5.8	24
2110	Metagenomic Analysis of the Gut Microbiota of Wild Mice, a Newly Identified Reservoir of <i>Campylobacter</i> . Frontiers in Cellular and Infection Microbiology, 2020, 10, 596149.	1.8	11
2111	Effects of dietary oregano essential oil supplementation on growth performance, intestinal antioxidative capacity, immunity, and intestinal microbiota in yellow-feathered chickens. Journal of Animal Science, 2021, 99, .	0.2	27
2112	Metabolic Aspects of Anthracycline Cardiotoxicity. Current Treatment Options in Oncology, 2021, 22, 18.	1.3	48
2113	Promising influences of <i>Scutellaria baicalensis</i> and its two active constituents, baicalin, and baicalein, against metabolic syndrome: A review. Phytotherapy Research, 2021, 35, 3558-3574.	2.8	43
2114	Expanded catalog of microbial genes and metagenome-assembled genomes from the pig gut microbiome. Nature Communications, 2021, 12, 1106.	5.8	116
2115	Emerging trends in aggregation induced emissive luminogens as bacterial theranostics. Journal of Drug Targeting, 2021, 29, 793-807.	2.1	3
2116	Gut Microbiota Variation With Short-Term Intake of Ginger Juice on Human Health. Frontiers in Microbiology, 2020, 11, 576061.	1.5	22
2117	The Gut Microbial Composition Is Species-Specific and Individual-Specific in Two Species of Estrildid Finches, the Bengalese Finch and the Zebra Finch. Frontiers in Microbiology, 2021, 12, 619141.	1.5	13
2118	Endosymbiotic Bacteria Aid to Overcome Temperature Induced Stress in the Oriental Fruit Fly, <i>Bactrocera dorsalis</i> . Microbial Ecology, 2021, 82, 783-792.	1.4	10
2119	Meta-omics characteristics of intestinal microbiota associated to HBeAg seroconversion induced by oral antiviral therapy. Scientific Reports, 2021, 11, 3253.	1.6	1

#	ARTICLE	IF	CITATIONS
2120	No impact of a short-term climatic fluctuation on gut microbial diversity in populations of the Galápagos marine iguana (<i>Amblyrhynchus cristatus</i>). <i>Die Naturwissenschaften</i> , 2021, 108, 7.	0.6	4
2121	Systemic cross-talk between brain, gut, and peripheral tissues in glucose homeostasis: effects of exercise training (CROSSYS). Exercise training intervention in monozygotic twins discordant for body weight. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2021, 13, 16.	0.7	3
2122	Evolution of the Gut Microbiota and Its Fermentation Characteristics of Ningxiang Pigs at the Young Stage. <i>Animals</i> , 2021, 11, 638.	1.0	24
2123	Taxonomic Description and Genome Sequence of <i>Christensenella intestinhominis</i> sp. nov., a Novel Cholesterol-Lowering Bacterium Isolated From Human Gut. <i>Frontiers in Microbiology</i> , 2021, 12, 632361.	1.5	18
2124	Gut Microbiome of Children and Adolescents With Primary Sclerosing Cholangitis in Association With Ulcerative Colitis. <i>Frontiers in Immunology</i> , 2020, 11, 598152.	2.2	18
2125	Resistant Starch Type 2 from Wheat Reduces Postprandial Glycemic Response with Concurrent Alterations in Gut Microbiota Composition. <i>Nutrients</i> , 2021, 13, 645.	1.7	44
2126	Association between physical activity and changes in intestinal microbiota composition: A systematic review. <i>PLoS ONE</i> , 2021, 16, e0247039.	1.1	66
2127	<i>Smilax china</i> L. polyphenols alleviates obesity and inflammation by modulating gut microbiota in high fat/high sucrose diet-fed C57BL/6J mice. <i>Journal of Functional Foods</i> , 2021, 77, 104332.	1.6	31
2128	Mechanisms Underlying Hepatocellular Carcinoma Progression in Patients with Type 2 Diabetes. <i>Journal of Hepatocellular Carcinoma</i> , 2021, Volume 8, 45-55.	1.8	13
2129	Effects of ploidy and salmonid alphavirus infection on the skin and gill microbiome of Atlantic salmon (<i>Salmo salar</i>). <i>PLoS ONE</i> , 2021, 16, e0243684.	1.1	22
2130	The Role of Gut Microbiota in Chronic Itch-Evoked Novel Object Recognition-Related Cognitive Dysfunction in Mice. <i>Frontiers in Medicine</i> , 2021, 8, 616489.	1.2	8
2131	Efficacy of Polyphenols in the Management of Dyslipidemia: A Focus on Clinical Studies. <i>Nutrients</i> , 2021, 13, 672.	1.7	40
2132	Age-dependent remodeling of gut microbiome and host serum metabolome in mice. <i>Aging</i> , 2021, 13, 6330-6345.	1.4	35
2133	An Updated Review on Therapeutic Potential and Recent Advances in Drug Delivery of Berberine: Current Status and Future Prospect. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 60-71.	0.9	17
2134	Changes of the mice intestinal microbes by the oligosaccharides-enriched fermented milk in a gender-dependent pattern. <i>Food Research International</i> , 2021, 140, 110047.	2.9	2
2135	MDAKRLS: Predicting human microbe-disease association based on Kronecker regularized least squares and similarities. <i>Journal of Translational Medicine</i> , 2021, 19, 66.	1.8	10
2136	Discovery of novel community-relevant small proteins in a simplified human intestinal microbiome. <i>Microbiome</i> , 2021, 9, 55.	4.9	24
2137	Regulation of Intestinal Inflammation by Dietary Fats. <i>Frontiers in Immunology</i> , 2020, 11, 604989.	2.2	36

#	ARTICLE	IF	CITATIONS
2138	Study of Probiotic Effects of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BB-12 and <i>Lactobacillus plantarum</i> 299v Strains on Biochemical and Morphometric Parameters of Rabbits after Obesity Induction. <i>Biology</i> , 2021, 10, 131.	1.3	4
2139	Mechanisms of Non-Alcoholic Fatty Liver Disease in the Metabolic Syndrome. A Narrative Review. <i>Antioxidants</i> , 2021, 10, 270.	2.2	104
2140	The effect of calorie intake, fasting, and dietary composition on metabolic health and gut microbiota in mice. <i>BMC Biology</i> , 2021, 19, 51.	1.7	19
2141	Pb Toxicity on Gut Physiology and Microbiota. <i>Frontiers in Physiology</i> , 2021, 12, 574913.	1.3	19
2142	Dissecting Individual Interactions between Pathogenic and Commensal Bacteria within a Multispecies Gut Microbial Community. <i>MSphere</i> , 2021, 6, .	1.3	10
2143	The Impact of CKD on Uremic Toxins and Gut Microbiota. <i>Toxins</i> , 2021, 13, 252.	1.5	114
2144	Gut permeability and cognitive decline: A pilot investigation in the Northern Manhattan Study. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 12, 100214.	1.3	7
2145	Short-chain fatty acids increase intracellular calcium levels and enhance gut hormone release from STC1 cells via transient receptor potential Ankyrin1. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 1004-1017.	1.0	5
2146	Gut Microbiota: Influence on Carcinogenesis and Modulation Strategies by Drug Delivery Systems to Improve Cancer Therapy. <i>Advanced Science</i> , 2021, 8, 2003542.	5.6	26
2147	<i>Clostridium Butyricum</i> ZJU-F1 Benefits the Intestinal Barrier Function and Immune Response Associated with Its Modulation of Gut Microbiota in Weaned Piglets. <i>Cells</i> , 2021, 10, 527.	1.8	22
2148	Oral administration of <i>Akkermansia muciniphila</i> elevates systemic antiaging and anticancer metabolites. <i>Aging</i> , 2021, 13, 6375-6405.	1.4	75
2149	Metal Oxide Nanorods-Based Sensor Array for Selective Detection of Biomarker Gases. <i>Sensors</i> , 2021, 21, 1922.	2.1	8
2150	High animal protein diet and gut microbiota in human health. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 6225-6237.	5.4	36
2151	A Mouse Model Suggests That Heart Failure and Its Common Comorbidity Sleep Fragmentation Have No Synergistic Impacts on the Gut Microbiome. <i>Microorganisms</i> , 2021, 9, 641.	1.6	4
2152	Paediatric IBD: the host, diet & microbes in pathogenesis & treatment: a narrative review. <i>Digestive Medicine Research</i> , 0, 4, 6-6.	0.2	0
2153	The Role of Intestinal Flora in the Regulation of Bone Homeostasis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 579323.	1.8	20
2154	Cecal microbial transplantation attenuates hyperthyroidism-induced thermogenesis in Mongolian gerbils. <i>Microbial Biotechnology</i> , 2022, 15, 817-831.	2.0	11
2155	Different effects of high-fat diets rich in different oils on lipids metabolism, oxidative stress and gut microbiota. <i>Food Research International</i> , 2021, 141, 110078.	2.9	25

#	ARTICLE	IF	CITATIONS
2156	Impaired Intestinal Barrier and Tissue Bacteria: Pathomechanisms for Metabolic Diseases. <i>Frontiers in Endocrinology</i> , 2021, 12, 616506.	1.5	56
2157	Probiotic supplements and bone health in postmenopausal women: a meta-analysis of randomised controlled trials. <i>BMJ Open</i> , 2021, 11, e041393.	0.8	24
2158	The intestinal microbiota as a therapeutic target in the treatment of NAFLD and ALD. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111235.	2.5	15
2159	Fecal Microbiota Transplantation beyond Clostridioides Difficile Infection. <i>Clinical Endoscopy</i> , 2021, 54, 149-151.	0.6	0
2160	The effects of dietary garlic (<i>Allium sativum</i>) and Aloe vera crude extract mixtures supplementation on growth performance, feed utilization, hematological parameters, whole body composition, and survival at low pH in African catfish (<i>Clarias gariepinus</i>) juveniles. <i>Scientific African</i> , 2021, 11, e00671.	0.7	7
2161	Fecal microbiota signatures of insulin resistance, inflammation, and metabolic syndrome in youth with obesity: a pilot study. <i>Acta Diabetologica</i> , 2021, 58, 1009-1022.	1.2	32
2162	Potential Mechanisms Linking Food-Derived MicroRNAs, Gut Microbiota and Intestinal Barrier Functions in the Context of Nutrition and Human Health. <i>Frontiers in Nutrition</i> , 2021, 8, 586564.	1.6	42
2163	High Fat Diet Dysbiotic Mechanism of Decreased Gingival Blood Flow. <i>Frontiers in Physiology</i> , 2021, 12, 625780.	1.3	4
2164	Taxonomic composition and variation in the gut microbiota of laboratory mice. <i>Mammalian Genome</i> , 2021, 32, 297-310.	1.0	9
2165	Drastic Effects on the Microbiome of a Young Rower Engaged in High-Endurance Exercise After a Month Usage of a Dietary Fiber Supplement. <i>Frontiers in Nutrition</i> , 2021, 8, 654008.	1.6	3
2166	Association between aging-dependent gut microbiome dysbiosis and dry eye severity in C57BL/6 male mouse model: a pilot study. <i>BMC Microbiology</i> , 2021, 21, 106.	1.3	20
2167	Modulation of gut microbiota protects against viral respiratory tract infections: a systematic review of animal and clinical studies. <i>European Journal of Nutrition</i> , 2021, 60, 4151-4174.	1.8	25
2168	Long-term changes in the gut microbiota after triple therapy, sequential therapy, bismuth quadruple therapy and concomitant therapy for <i>Helicobacter pylori</i> eradication in Chinese children. <i>Helicobacter</i> , 2021, 26, e12809.	1.6	12
2169	An altered gut microbiota in duck-origin parvovirus infection on cherry valley ducklings is associated with mucosal barrier dysfunction. <i>Poultry Science</i> , 2021, 100, 101021.	1.5	3
2170	Gut-brain axis in the neurological comorbidity of COVID-19. <i>Brain Communications</i> , 2021, 3, fcab118.	1.5	10
2171	Characterization of one anastomosis gastric bypass and impact of biliary and common limbs on bile acid and postprandial glucose metabolism in a minipig model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E772-E783.	1.8	8
2172	The Gut Microbiome in Hypertension. <i>Circulation Research</i> , 2021, 128, 934-950.	2.0	86
2173	Effects of Heat Stress on Gut-Microbial Metabolites, Gastrointestinal Peptides, Glycolipid Metabolism, and Performance of Broilers. <i>Animals</i> , 2021, 11, 1286.	1.0	30

#	ARTICLE	IF	CITATIONS
2174	Beneficial Effects of Phenolic Compounds on Gut Microbiota and Metabolic Syndrome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3715.	1.8	71
2175	Acceptive Immunity: The Role of Fucosylated Glycans in Human Host–Microbiome Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3854.	1.8	15
2176	Orange Juice and Yogurt Carrying Probiotic <i>Bacillus coagulans</i> GBI-30 6086: Impact of Intake on Wistar Male Rats Health Parameters and Gut Bacterial Diversity. <i>Frontiers in Microbiology</i> , 2021, 12, 623951.	1.5	13
2177	Characteristics and variation of fecal bacterial communities and functions in isolated systolic and diastolic hypertensive patients. <i>BMC Microbiology</i> , 2021, 21, 128.	1.3	9
2178	Invited review: Effect of antihypertensive fermented milks on gut microbiota. <i>Journal of Dairy Science</i> , 2021, 104, 3779-3788.	1.4	8
2179	Gut microbiota composition changes associated with obesity: new lights from metagenomic analysis. <i>MÄ–Ä¼narodnj EndokrinologÄ–Änij Ä½urnal</i> , 2020, 16, 654-661.	0.1	1
2180	The effects of multispecies probiotic formulations on growth performance, hepatic metabolism, intestinal integrity and fecal microbiota in growing-finishing pigs. <i>Animal Feed Science and Technology</i> , 2021, 274, 114833.	1.1	11
2181	Exploring the relationship between gut microbiota and exercise: short-chain fatty acids and their role in metabolism. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e000930.	1.4	18
2182	Identification of the Potential Role of the Rumen Microbiome in Milk Protein and Fat Synthesis in Dairy Cows Using Metagenomic Sequencing. <i>Animals</i> , 2021, 11, 1247.	1.0	16
2183	Nutritional Effects of the Enteral Nutritional Formula on Regulation of Gut Microbiota and Metabolic Level in Type 2 Diabetes Mellitus Mice. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 1855-1869.	1.1	5
2184	Maternal antibiotic administration during a critical developmental window has enduring neurobehavioural effects in offspring mice. <i>Behavioural Brain Research</i> , 2021, 404, 113156.	1.2	26
2185	Gut Dysbiosis and Western Diet in the Pathogenesis of Essential Arterial Hypertension: A Narrative Review. <i>Nutrients</i> , 2021, 13, 1162.	1.7	20
2186	Antibiotic Followed by a Potential Probiotic Increases Brown Adipose Tissue, Reduces Biometric Measurements, and Changes Intestinal Microbiota Phyla in Obesity. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1621-1631.	1.9	1
2187	Effect of Obesity on the Expression of Nutrient Receptors and Satiety Hormones in the Human Colon. <i>Nutrients</i> , 2021, 13, 1271.	1.7	8
2188	Ingestion of <i>Bifidobacterium longum</i> changes miRNA levels in the brains of mice. <i>PLoS ONE</i> , 2021, 16, e0249817.	1.1	1
2189	Fecal Microbiota Transplantation from Overweight or Obese Donors in Cachectic Patients with Advanced Gastroesophageal Cancer: A Randomized, Double-blind, Placebo-Controlled, Phase II Study. <i>Clinical Cancer Research</i> , 2021, 27, 3784-3792.	3.2	30
2190	2,3,5,4–Tetrahydroxystilbene-2-O-ß-D-glucoside, a major bioactive component from <i>Polygoni multiflori</i> Radix (Heshouwu) suppresses DSS induced acute colitis in BALB/c mice by modulating gut microbiota. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111420.	2.5	18
2191	Slimy partners: the mucus barrier and gut microbiome in ulcerative colitis. <i>Experimental and Molecular Medicine</i> , 2021, 53, 772-787.	3.2	86

#	ARTICLE	IF	CITATIONS
2192	Oral iron supplementation in patients with chronic kidney disease: Can it be harmful to the gut microbiota?. <i>Nutrition in Clinical Practice</i> , 2022, 37, 81-93.	1.1	8
2193	Shotgun metagenomics reveals significant gut microbiome features in different grades of acute pancreatitis. <i>Microbial Pathogenesis</i> , 2021, 154, 104849.	1.3	12
2194	An altered microbiota pattern precedes Type 2 diabetes mellitus development: From the CORDIOPREV study. <i>Journal of Advanced Research</i> , 2022, 35, 99-108.	4.4	22
2195	In Patients With Obesity, the Number of Adipose Tissue Mast Cells Is Significantly Lower in Subjects With Type 2 Diabetes. <i>Frontiers in Immunology</i> , 2021, 12, 664576.	2.2	11
2196	Curcumin alleviates high-fat diet-induced hepatic steatosis and obesity in association with modulation of gut microbiota in mice. <i>Food Research International</i> , 2021, 143, 110270.	2.9	77
2197	Recent advances in marine algae oligosaccharides: structure, analysis, and potential prebiotic activities. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7703-7717.	5.4	26
2198	Intestinal microbial diversity and functional analysis of <i>Urechis unicinctus</i> from two different habitats: pond polycultured with <i>Penaeus japonicus</i> and coastal zone. <i>Aquaculture Environment Interactions</i> , 2021, 13, 211-224.	0.7	1
2199	Functional Amino Acids in Pigs and Chickens: Implication for Gut Health. <i>Frontiers in Veterinary Science</i> , 2021, 8, 663727.	0.9	49
2200	The Baseline Gut Microbiota Directs Dieting-Induced Weight Loss Trajectories. <i>Gastroenterology</i> , 2021, 160, 2029-2042.e16.	0.6	63
2201	Non-Alcoholic Fatty Liver Disease: Metabolic, Genetic, Epigenetic and Environmental Risk Factors. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5227.	1.2	109
2203	Sodium butyrate ameliorates non-alcoholic fatty liver disease by upregulating miR-150 to suppress CXCR4 expression. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 1125-1136.	0.9	8
2204	The Use of Fecal Microbiome Transplant in Treating Human Diseases: Too Early for Poop?. <i>Frontiers in Microbiology</i> , 2021, 12, 519836.	1.5	34
2205	Dietary Influence on the Dynamics of the Human Gut Microbiome: Prospective Implications in Interventional Therapies. <i>ACS Food Science & Technology</i> , 2021, 1, 717-736.	1.3	8
2206	How can the MHC mediate social odor via the microbiota community? A deep dive into mechanisms. <i>Behavioral Ecology</i> , 2021, 32, 359-373.	1.0	13
2207	Effect of You-Gui-Wan on House Dust Mite-Induced Mouse Allergic Asthma via Regulating Amino Acid Metabolic Disorder and Gut Dysbiosis. <i>Biomolecules</i> , 2021, 11, 812.	1.8	9
2208	Gut microbiota contributes to sexual dimorphism in murine autoimmune cholangitis. <i>Journal of Leukocyte Biology</i> , 2021, 110, 1121-1130.	1.5	6
2209	Gestational diabetes mellitus is associated with the neonatal gut microbiota and metabolome. <i>BMC Medicine</i> , 2021, 19, 120.	2.3	44
2210	Immunomodulatory role of <i>Faecalibacterium prausnitzii</i> in obesity and metabolic disorders. <i>Minerva Biotechnology and Biomolecular Research</i> , 2021, 33, .	0.3	10

#	ARTICLE	IF	CITATIONS
2211	Gut Microbiota as Potential Biomarker and/or Therapeutic Target to Improve the Management of Cancer: Focus on Colibactin-Producing <i>Escherichia coli</i> in Colorectal Cancer. <i>Cancers</i> , 2021, 13, 2215.	1.7	29
2212	Unravelling the involvement of gut microbiota in type 2 diabetes mellitus. <i>Life Sciences</i> , 2021, 273, 119311.	2.0	73
2213	Microbiome Analysis Reveals the Dynamic Alternations in Gut Microbiota of Diarrheal Giraffa camelopardalis. <i>Frontiers in Veterinary Science</i> , 2021, 8, 649372.	0.9	7
2214	Prophylactic Use of Natural Products against Developmentally Programmed Metabolic Syndrome. <i>Planta Medica</i> , 2021, , .	0.7	1
2215	Short- and Branched-Chain Fatty Acids as Fecal Markers for Microbiota Activity in Vegans and Omnivores. <i>Nutrients</i> , 2021, 13, 1808.	1.7	27
2216	Correlations Between Intestinal Microbial Community and Hematological Profile in Native Tibetans and Han Immigrants. <i>Frontiers in Microbiology</i> , 2021, 12, 615416.	1.5	8
2217	Markers of metabolic health and gut microbiome diversity: findings from two population-based cohort studies. <i>Diabetologia</i> , 2021, 64, 1749-1759.	2.9	30
2218	A high potency multi-strain probiotic improves glycemic control in children with new-onset type 1 diabetes mellitus: A randomized, double-blind, and placebo-controlled pilot study. <i>Pediatric Diabetes</i> , 2021, 22, 1014-1022.	1.2	23
2219	Standardized Nursing Procedures for Fecal Microbiota Transplantation via Upper Endoscopy. <i>Gastroenterology Nursing</i> , 2021, 44, 227-232.	0.2	0
2220	Physiological function and application of dietary fiber in pig nutrition: A review. <i>Animal Nutrition</i> , 2021, 7, 259-267.	2.1	41
2221	Positive influence of gut microbiota on the effects of Korean red ginseng in metabolic syndrome: a randomized, double-blind, placebo-controlled clinical trial. <i>EPMA Journal</i> , 2021, 12, 177-197.	3.3	15
2222	A importância da microbiota intestinal e seus efeitos na obesidade. <i>Research, Society and Development</i> , 2021, 10, e52110616086.	0.0	1
2223	Consistent Alterations of Human Fecal Microbes After Transplantation into Germ-free Mice. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 382-393.	3.0	6
2224	Possible actions of inulin as prebiotic polysaccharide: A review. <i>Food Frontiers</i> , 2021, 2, 407-416.	3.7	35
2225	<i>Peptoniphilus faecalis</i> sp. nov., isolated from swine faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	10
2226	The influence of gut microbiome on bone health and related dietary strategies against bone dysfunctions. <i>Food Research International</i> , 2021, 144, 110331.	2.9	11
2227	Decreased Abundance of <i>Akkermansia muciniphila</i> Leads to the Impairment of Insulin Secretion and Glucose Homeostasis in Lean Type 2 Diabetes. <i>Advanced Science</i> , 2021, 8, e2100536.	5.6	68
2228	Gut health: The results of microbial and mucosal immune interactions in pigs. <i>Animal Nutrition</i> , 2021, 7, 282-294.	2.1	31

#	ARTICLE	IF	CITATIONS
2229	Pu-erh tea ameliorates obesity and modulates gut microbiota in high fat diet fed mice. <i>Food Research International</i> , 2021, 144, 110360.	2.9	84
2230	Metabolome-Microbiome Responses of Growing Pigs Induced by Time-Restricted Feeding. <i>Frontiers in Veterinary Science</i> , 2021, 8, 681202.	0.9	12
2231	Effects of ammonia on growth performance, lipid metabolism and cecal microbial community of rabbits. <i>PLoS ONE</i> , 2021, 16, e0252065.	1.1	4
2232	Dynamics of rumen bacterial composition of yak (<i>Bos grunniens</i>) in response to dietary supplements during the cold season. <i>PeerJ</i> , 2021, 9, e11520.	0.9	7
2233	Antibiotic exposure decreases soil arsenic oral bioavailability in mice by disrupting ileal microbiota and metabolic profile. <i>Environment International</i> , 2021, 151, 106444.	4.8	26
2234	Bacterial translocation in colorectal cancer patients. <i>Journal of Clinical Medicine of Kazakhstan</i> , 2021, 18, 8-13.	0.1	1
2235	Joint contributions of the gut microbiota and host genetics to feed efficiency in chickens. <i>Microbiome</i> , 2021, 9, 126.	4.9	58
2236	Unhealthy Lifestyle and Gut Dysbiosis: A Better Understanding of the Effects of Poor Diet and Nicotine on the Intestinal Microbiome. <i>Frontiers in Endocrinology</i> , 2021, 12, 667066.	1.5	82
2237	Adjusting Internal Organs and Dredging Channel Electroacupuncture Ameliorates Insulin Resistance in Type 2 Diabetes Mellitus by Regulating the Intestinal Flora and Inhibiting Inflammation. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 2595-2607.	1.1	12
2239	Dietary supplementation of N-carbamylglutamate promotes growth performance by modulating the homeostasis of gut microbiota in tilapia (<i>Oreochromis niloticus</i>). <i>Aquaculture Reports</i> , 2021, 20, 100750.	0.7	5
2240	A discussion of the gut microbiome's development, determinants, and dysbiosis in cancers of the esophagus and stomach. <i>Journal of Gastrointestinal Oncology</i> , 2021, 12, S290-S300.	0.6	5
2243	Bile Acids, Their Receptors, and the Gut Microbiota. <i>Physiology</i> , 2021, 36, 235-245.	1.6	31
2244	Manipulation of Gut Microbiota Using Acacia Gum Polysaccharide. <i>ACS Omega</i> , 2021, 6, 17782-17797.	1.6	24
2245	The Development of the Gut Microbiota and Short-Chain Fatty Acids of Layer Chickens in Different Growth Periods. <i>Frontiers in Veterinary Science</i> , 2021, 8, 666535.	0.9	28
2246	Analysis of gut microbiota in three species belonging to different genera (<i>Hemitragus</i> , <i>Pseudois</i> , and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> 2021, 11, 12129-12140.	0.8	3
2247	The probiotic <i>L.Âcasei</i> Zhang slows the progression of acute and chronic kidney disease. <i>Cell Metabolism</i> , 2021, 33, 1926-1942.e8.	7.2	102
2248	The Effects of Erchen Decoction on Gut Microbiota and Lipid Metabolism Disorders in Zucker Diabetic Fatty Rats. <i>Frontiers in Pharmacology</i> , 2021, 12, 647529.	1.6	27
2249	Characteristics of mouse intestinal microbiota during acute liver injury and repair following 50% partial hepatectomy. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 953.	0.8	7

#	ARTICLE	IF	CITATIONS
2250	Colonization of Clostridium butyricum in Rats and Its Effect on Intestinal Microbial Composition. Microorganisms, 2021, 9, 1573.	1.6	9
2251	Berberine as a Potential Multi-Target Agent for Metabolic Diseases: A Review of Investigations for Berberine. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, 971-979.	0.6	14
2252	Impact of Intestinal Microbiota on Quality of Life (QoL) of Hemodialysis Patients. , 0, , .		0
2253	Synbiotic Supplementation Improves Obesity Index and Metabolic Biomarkers in Thai Obese Adults: A Randomized Clinical Trial. Foods, 2021, 10, 1580.	1.9	19
2254	Effects of early-life penicillin exposure on the gut microbiome and frontal cortex and amygdala gene expression. IScience, 2021, 24, 102797.	1.9	25
2255	Intestinal Fibrosis and Gut Microbiota: Clues From Other Organs. Frontiers in Microbiology, 2021, 12, 694967.	1.5	17
2256	Intestinal microbiota and active systemic lupus erythematosus: a systematic review. Advances in Rheumatology, 2021, 61, 42.	0.8	13
2257	Roles of Sex Hormones and Gender in the Gut Microbiota. Journal of Neurogastroenterology and Motility, 2021, 27, 314-325.	0.8	98
2258	Low Dietary Fiber Intake Links Development of Obesity and Lupus Pathogenesis. Frontiers in Immunology, 2021, 12, 696810.	2.2	31
2259	The First Report of Bacteroides fragilis and Bacteroides thetaiotaomicron Relative Abundance in Obese Iranian Population. Jundishapur Journal of Natural Pharmaceutical Products, 2021, 17, .	0.3	1
2260	Changes in the microbial communities of the rearing water, sediment and gastrointestinal tract of Lateolabrax maculatus at two growth stages. Aquaculture Reports, 2021, 20, 100742.	0.7	6
2261	Functional dissection of the phosphotransferase system provides insight into the prevalence of Faecalibacterium prausnitzii in the host intestinal environment. Environmental Microbiology, 2021, 23, 4726-4740.	1.8	15
2262	Probiotic Lactobacillus rhamnosus modulates the impacts of perfluorobutanesulfonate on oocyte developmental rhythm of zebrafish. Science of the Total Environment, 2021, 776, 145975.	3.9	11
2263	Presence of Lactic Acid Bacteria in the Intestinal Tract of the Mediterranean Trout (Salmo Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 50	1.1	20
2264	Assessment of Biolog Ecoplate™ method for functional metabolic diversity of aerotolerant pig fecal microbiota. Applied Microbiology and Biotechnology, 2021, 105, 6033-6045.	1.7	6
2265	Prebiotic inulin as a treatment of obesity related nonalcoholic fatty liver disease through gut microbiota: a critical review. Critical Reviews in Food Science and Nutrition, 2023, 63, 862-872.	5.4	10
2266	Dysbiosis of Gut Microbiota in Patients With Acute Myocardial Infarction. Frontiers in Microbiology, 2021, 12, 680101.	1.5	45
2267	Persistence and reversibility of arsenic-induced gut microbiome and metabolome shifts in male rats after 30-days recovery duration. Science of the Total Environment, 2021, 776, 145972.	3.9	16

#	ARTICLE	IF	CITATIONS
2268	The Athlete and Gut Microbiome: Short-chain Fatty Acids as Potential Ergogenic Aids for Exercise and Training. <i>International Journal of Sports Medicine</i> , 2021, 42, 1143-1158.	0.8	13
2269	Mechanistic and physiological approaches of fecal microbiota transplantation in the management of NAFLD. <i>Inflammation Research</i> , 2021, 70, 765-776.	1.6	8
2270	Microbiome analysis reveals gut microbiota alteration in mice with the effect of matrine. <i>Microbial Pathogenesis</i> , 2021, 156, 104926.	1.3	20
2271	Animal models of visceral pain and the role of the microbiome. <i>Neurobiology of Pain (Cambridge, Mass)</i> Tj ETQq1 1,0,784314,rgBT /Ome	1.0	7
2272	A literature review on large intestinal hyperelastic constitutive modeling. <i>Clinical Biomechanics</i> , 2021, 88, 105445.	0.5	8
2273	Antagonistic interaction between perfluorobutanesulfonate and probiotic on lipid and glucose metabolisms in the liver of zebrafish. <i>Aquatic Toxicology</i> , 2021, 237, 105897.	1.9	13
2274	Modulation of Antioxidant Enzymes, Heat Shock Protein, and Intestinal Microbiota of Large Yellow Croaker (<i>Larimichthys crocea</i>) Under Acute Cold Stress. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	10
2275	Effect of black ginseng and silkworm supplementation on obesity, the transcriptome, and the gut microbiome of diet-induced overweight dogs. <i>Scientific Reports</i> , 2021, 11, 16334.	1.6	11
2276	Integrated Bacterial and Fungal Diversity Analysis Reveals the Gut Microbial Alterations in Diarrheic Giraffes. <i>Frontiers in Microbiology</i> , 2021, 12, 712092.	1.5	17
2277	Effects of Lycium barbarum Polysaccharides on Immunity and the Gut Microbiota in Cyclophosphamide-Induced Immunosuppressed Mice. <i>Frontiers in Microbiology</i> , 2021, 12, 701566.	1.5	11
2278	Owning a Pet Is Associated with Changes in the Composition of Gut Microbiota and Could Influence the Risk of Metabolic Disorders in Humans. <i>Animals</i> , 2021, 11, 2347.	1.0	3
2279	The Spatial and Temporal Characterization of Gut Microbiota in Broilers. <i>Frontiers in Veterinary Science</i> , 2021, 8, 712226.	0.9	26
2280	Captive Common Marmosets (<i>Callithrix jacchus</i>) Are Colonized throughout Their Lives by a Community of <i>Bifidobacterium</i> Species with Species-Specific Genomic Content That Can Support Adaptation to Distinct Metabolic Niches. <i>MBio</i> , 2021, 12, e0115321.	1.8	8
2281	Effects of Andrographolide on Mouse Intestinal Microflora Based on High-Throughput Sequence Analysis. <i>Frontiers in Veterinary Science</i> , 2021, 8, 702885.	0.9	5
2282	<i>Streptococcus vaginalis</i> sp. nov., a novel bacterial species isolated from vaginal swabs of a pregnant woman with diabetes. <i>Archives of Microbiology</i> , 2021, 203, 5475-5482.	1.0	1
2283	Oxytocin and the microbiome. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 19, 8-14.	0.6	11
2284	Armamentarium to treat primary vesicoureteral reflux in children. <i>Seminars in Pediatric Surgery</i> , 2021, 30, 151086.	0.5	0
2285	<i>Ganoderma amboinense</i> polysaccharide prevents obesity by regulating gut microbiota in high-fat-diet mice. <i>Food Bioscience</i> , 2021, 42, 101107.	2.0	14

#	ARTICLE	IF	CITATIONS
2286	Brown adipose tissue is the key depot for glucose clearance in microbiota depleted mice. <i>Nature Communications</i> , 2021, 12, 4725.	5.8	25
2287	Connection between the Gut Microbiota of Largemouth Bass (<i>Micropterus salmoides</i>) and Microbiota of the Pond Culture Environment. <i>Microorganisms</i> , 2021, 9, 1770.	1.6	18
2288	Oral angiotensin-(1â€“7) peptide modulates intestinal microbiota improving metabolic profile in obese mice. <i>Protein and Peptide Letters</i> , 2021, 28, .	0.4	3
2289	Review: The development of the gastrointestinal tract microbiota and intervention in neonatal ruminants. <i>Animal</i> , 2021, 15, 100316.	1.3	25
2290	The Role of Gut Microbiota in Hypertension Pathogenesis and the Efficacy of Antihypertensive Drugs. <i>Current Hypertension Reports</i> , 2021, 23, 40.	1.5	15
2291	Short-term changes in the serum metabolome after laparoscopic sleeve gastrectomy and Roux-en-Y gastric bypass. <i>Metabolomics</i> , 2021, 17, 71.	1.4	7
2292	Alterations of gut microbiota in gestational diabetes patients during the second trimester of pregnancy in the Shanghai Han population. <i>Journal of Translational Medicine</i> , 2021, 19, 366.	1.8	14
2293	Dietary Protein From Different Sources Exerted a Great Impact on Lipid Metabolism and Mitochondrial Oxidative Phosphorylation in Rat Liver. <i>Frontiers in Nutrition</i> , 2021, 8, 719144.	1.6	9
2294	Antidiabetic activity of galactomannan from Chinese <i>Sesbania cannabina</i> and its correlation of regulating intestinal microbiota. <i>Journal of Functional Foods</i> , 2021, 83, 104530.	1.6	7
2295	Microbiome analysis reveals the significant changes in gut microbiota of diarrheic Baer's Pochards (<i>Aythya baeri</i>). <i>Microbial Pathogenesis</i> , 2021, 157, 105015.	1.3	10
2296	The plant secondary compound swainsonine reshapes gut microbiota in plateau pikas (<i>Ochotona</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.7	8
2297	Integrated analysis of the faecal metagenome and serum metabolome reveals the role of gut microbiome-associated metabolites in the detection of colorectal cancer and adenoma. <i>Gut</i> , 2022, 71, 1315-1325.	6.1	97
2298	BaÄŸrsak-Beyin Eksenine Biyokimyasal BakÄ±ÅŸ. <i>Arsiv Kaynak Tarama Dergisi</i> , 2021, 30, 137-143.	0.1	1
2299	Gut microbiota alterations in response to sleep length among African-origin adults. <i>PLoS ONE</i> , 2021, 16, e0255323.	1.1	18
2300	Seasonal Changes in the Distinct Taxonomy and Function of the Gut Microbiota in the Wild Ground Squirrel (<i>Spermophilus dauricus</i>). <i>Animals</i> , 2021, 11, 2685.	1.0	8
2301	Dysbiosis, Host Metabolism, and Non-communicable Diseases: Triologue in the Inborn Errors of Metabolism. <i>Frontiers in Physiology</i> , 2021, 12, 716520.	1.3	15
2302	Characteristics of faecal bacterial flora and volatile fatty acids in Min pig, Landrace pig, and Yorkshire pig. <i>Electronic Journal of Biotechnology</i> , 2021, 53, 33-43.	1.2	6
2303	Dietary ferulic acid and vanillic acid on inflammation, gut barrier function and growth performance in lipopolysaccharide-challenged piglets. <i>Animal Nutrition</i> , 2022, 8, 144-152.	2.1	43

#	ARTICLE	IF	CITATIONS
2304	Effects of gut microbiota and fatty acid metabolism on dyslipidemia following weight-loss diets in women: Results from a randomized controlled trial. <i>Clinical Nutrition</i> , 2021, 40, 5511-5520.	2.3	8
2306	Effects of ammonia exposure on oxidative stress, immune enzyme activities, and intestinal microbiota of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Aquaculture International</i> , 2021, 29, 2605-2618.	1.1	6
2307	The Gut Microbiome and Sex Hormone-Related Diseases. <i>Frontiers in Microbiology</i> , 2021, 12, 711137.	1.5	58
2308	Molecular and Cellular Mediators of the Gut-Liver Axis in the Progression of Liver Diseases. <i>Frontiers in Medicine</i> , 2021, 8, 725390.	1.2	30
2309	Draft Genome Sequences of Four Novel Strains of Microbes Isolated from <i>Lepidocephalichthys guntea</i> . <i>Microbiology Resource Announcements</i> , 2021, 10, e0062121.	0.3	0
2310	Simulation Model for Hashimoto Autoimmune Thyroiditis Disease. <i>Endocrinology</i> , 2021, 162, .	1.4	19
2311	Long term impact of vonoprazan-based <i>Helicobacter pylori</i> treatment on gut microbiota and its relation to post-treatment body weight changes. <i>Helicobacter</i> , 2021, 26, e12851.	1.6	12
2312	Holistic perspective of the role of gut microbes in diabetes mellitus and its management. <i>World Journal of Diabetes</i> , 2021, 12, 1463-1478.	1.3	10
2313	Prebiotic effects in vitro of anthocyanins from the fruits of <i>Lycium ruthenicum</i> Murray on gut microbiota compositions of feces from healthy human and patients with inflammatory bowel disease. <i>LWT - Food Science and Technology</i> , 2021, 149, 111829.	2.5	13
2314	Adzuki Bean Alleviates Obesity and Insulin Resistance Induced by a High-Fat Diet and Modulates Gut Microbiota in Mice. <i>Nutrients</i> , 2021, 13, 3240.	1.7	54
2315	Curdlan intake changes gut microbial composition, short-chain fatty acid production, and bile acid transformation in mice. <i>Biochemistry and Biophysics Reports</i> , 2021, 27, 101095.	0.7	3
2316	Liraglutide and sitagliptin have no effect on intestinal microbiota composition: A 12-week randomized placebo-controlled trial in adults with type 2 diabetes. <i>Diabetes and Metabolism</i> , 2021, 47, 101223.	1.4	25
2317	Mulberry (<i>Morus atropurpurea</i> Roxb.) leaf protein hydrolysates ameliorate dextran sodium sulfate-induced colitis via integrated modulation of gut microbiota and immunity. <i>Journal of Functional Foods</i> , 2021, 84, 104575.	1.6	15
2318	Uric acid extrarenal excretion: the gut microbiome as an evident yet understated factor in gout development. <i>Rheumatology International</i> , 2022, 42, 403-412.	1.5	28
2319	Chitosan-chelated zinc modulates ileal microbiota, ileal microbial metabolites, and intestinal function in weaned piglets challenged with <i>Escherichia coli</i> K88. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7529-7544.	1.7	9
2320	Gut Microbiota in Lung Cancer: Where Do We Stand?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10429.	1.8	23
2321	Dietary astaxanthin: an excellent carotenoid with multiple health benefits. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3019-3045.	5.4	48
2322	The Impact of Gut Microbiota-Derived Metabolites in Autism Spectrum Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10052.	1.8	23

#	ARTICLE	IF	CITATIONS
2323	Antibiotic-induced disturbances of the gut microbiota result in accelerated breast tumor growth. <i>IScience</i> , 2021, 24, 103012.	1.9	41
2324	GPR40 Agonist Ameliorate Pathological Neuroinflammation of Alzheimer's Disease via the Modulation of Gut Microbiota and Immune System, a Mini-Review. <i>Neurotoxicity Research</i> , 2021, 39, 2175-2185.	1.3	3
2325	The characteristics of intestinal flora in overweight pregnant women and the correlation with gestational diabetes mellitus. <i>Endocrine Connections</i> , 2021, 10, 1366-1376.	0.8	4
2326	Metabolic Influences of Gut Microbiota Dysbiosis on Inflammatory Bowel Disease. <i>Frontiers in Physiology</i> , 2021, 12, 715506.	1.3	56
2327	Gut microbiome in liver pathophysiology and cholestatic liver disease. <i>Liver Research</i> , 2021, 5, 151-163.	0.5	6
2328	Isolated pectin (apple) and fruit pulp (mango) impact gastric emptying, passage rate and short chain fatty acid (SCFA) production differently along the pig gastrointestinal tract. <i>Food Hydrocolloids</i> , 2021, 118, 106723.	5.6	9
2329	Roles of Gut Microbiota and Metabolites in Pathogenesis of Functional Constipation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	0.5	29
2331	Butyrate Production Pathway Abundances Are Similar in Human and Nonhuman Primate Gut Microbiomes. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	13
2332	Effects of hypoxic stress and recovery on oxidative stress, apoptosis, and intestinal microorganisms in <i>Pelteobagrus vachelli</i> . <i>Aquaculture</i> , 2021, 543, 736945.	1.7	29
2333	Coumarin-rich <i>Grifola frondosa</i> ethanol extract alleviate lipid metabolism disorders and modulates intestinal flora compositions of high-fat diet rats. <i>Journal of Functional Foods</i> , 2021, 85, 104649.	1.6	15
2334	The Link Between Periodontal Inflammation and Obesity. <i>Current Oral Health Reports</i> , 2021, 8, 76-83.	0.5	17
2335	Aronia berry polyphenols have matrix-dependent effects on the gut microbiota. <i>Food Chemistry</i> , 2021, 359, 129831.	4.2	22
2336	Probiotics and gut microbiome - Prospects and challenges in remediating heavy metal toxicity. <i>Journal of Hazardous Materials</i> , 2021, 420, 126676.	6.5	56
2337	An adaptable and non-invasive method for tracking <i>Bifidobacterium animalis</i> subspecies <i>lactis</i> 420 in the mouse gut. <i>Journal of Microbiological Methods</i> , 2021, 189, 106302.	0.7	1
2338	Ischemic stroke and infection: A brief update on mechanisms and potential therapies. <i>Biochemical Pharmacology</i> , 2021, 193, 114768.	2.0	18
2339	The gene expression and bioinformatic analysis of choline trimethylamine-lyase (CutC) and its activating enzyme (CutD) for gut microbes and comparison with their TMA production levels. <i>Current Research in Microbial Sciences</i> , 2021, 2, 100043.	1.4	9
2340	Impacts of benzo(a)pyrene exposure on scallop (<i>Chlamys farreri</i>) gut health and gut microbiota composition. <i>Science of the Total Environment</i> , 2021, 799, 149471.	3.9	15
2341	Influence of probiotic bacteria on gut microbiota composition and gut wall function in an in-vitro model in patients with Parkinson's disease. <i>International Journal of Pharmaceutics: X</i> , 2021, 3, 100087.	1.2	19

#	ARTICLE	IF	CITATIONS
2342	Resistant starches: A smart alternative for the development of functional bread and other starch-based foods. <i>Food Hydrocolloids</i> , 2021, 121, 106949.	5.6	21
2343	Microplastics as an aquatic pollutant affect gut microbiota within aquatic animals. <i>Journal of Hazardous Materials</i> , 2022, 423, 127094.	6.5	46
2344	Long-term chronic exposure to di-(2-ethylhexyl)-phthalate induces obesity via disruption of host lipid metabolism and gut microbiota in mice. <i>Chemosphere</i> , 2022, 287, 132414.	4.2	24
2345	Epigenetics of Hostâ€“Human Gut Microbiome Interactions. , 2022, , .		0
2346	Role of Gut Microbiota and Their Metabolites on Atherosclerosis, Hypertension and Human Blood Platelet Function: A Review. <i>Nutrients</i> , 2021, 13, 144.	1.7	105
2347	Gastrointestinal and Nutritional Disorders. , 2021, , 1-31.		0
2348	Gut Microbiota and Aging: A Broad Perspective. , 2021, , 1543-1563.		0
2349	Commensal microbiota in the digestive tract: a review of its roles in carcinogenesis and radiotherapy. <i>Cancer Biology and Medicine</i> , 2021, 18, 0-0.	1.4	2
2350	Neonatal antibiotic exposure impairs child growth during the first six years of life by perturbing intestinal microbial colonization. <i>Nature Communications</i> , 2021, 12, 443.	5.8	113
2351	Summary and perspective for future research on the contribution of microbiota in visceral and neurological disorders. , 2021, , 345-356.		0
2352	Plant and Animal-Type Feedstuff Shape the Gut Microbiota and Metabolic Processes of the Chinese Mitten Crab <i>Eriocheir sinensis</i> . <i>Frontiers in Veterinary Science</i> , 2021, 8, 589624.	0.9	10
2353	Obesity and Gut Microbiota. , 2021, 04, .		0
2354	Gut Microbial Dysbiosis and Cardiovascular Diseases. , 2021, , .		0
2355	Gut Microbiome and Nonalcoholic Fatty Liver Disease (NAFLD). <i>Gastroenterology Nursing</i> , 2021, 44, E18-E22.	0.2	0
2356	Significant Differences in Intestinal Microbial Communities in Aquatic Animals from an Aquaculture Area. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 104.	1.2	20
2357	Recent progress in fluorescent probes for bacteria. <i>Chemical Society Reviews</i> , 2021, 50, 7725-7744.	18.7	143
2358	Microbiome modulation as a novel therapeutic approach in chronic kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2021, 30, 75-84.	1.0	25
2359	Changes of Gut-Microbiota-Liver Axis in Hepatitis C Virus Infection. <i>Biology</i> , 2021, 10, 55.	1.3	16

#	ARTICLE	IF	CITATIONS
2360	Ecological and toxicological assessments of anthropogenic contaminants based on environmental metabolomics. <i>Environmental Science and Ecotechnology</i> , 2021, 5, 100081.	6.7	49
2361	Modulatory effects of gut microbiome in cancer immunotherapy: A novel paradigm for blockade of immune checkpoint inhibitors. <i>Cancer Medicine</i> , 2021, 10, 1141-1154.	1.3	34
2362	Human Gut Microbial Gene by Metagenomic Sequencing. , 2013, , 1-8.		1
2363	Microbiomeâ€“Gutâ€“Brain Axis. , 2013, , 1-14.		1
2364	Anti-inflammatory Effects of Probiotics and Their Metabolites: Possible Role for Epigenetic Effects. , 2014, , 127-150.		1
2365	How the Sleeve Gastrectomy Works: Metabolically. , 2020, , 63-76.		1
2366	Revisiting the Concept of Human Disease. <i>Human Perspectives in Health Sciences and Technology</i> , 2020, , 1-34.	0.2	3
2367	Systems Biology in Human Health and Disease. , 2014, , 17-23.		3
2368	Antiviral Probiotics: A New Concept in Medical Sciences. , 2017, , 1-46.		13
2369	Deep Learning Tools for Human Microbiome Big Data. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 265-275.	0.5	8
2370	Gut Microbiota and Aging: A Broad Perspective. , 2020, , 1-21.		2
2371	Potentials of Phytopharmaceuticals for Treating Microbiological and Oxidative Stress-Induced Type 2 Diabetes. , 2019, , 489-509.		1
2372	Role of Gut Microbiota in Combating Oxidative Stress. , 2019, , 43-82.		19
2373	Gut Microbiota and Endocrine Disorder. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1238, 143-164.	0.8	14
2374	Short-Chain Fatty Acid Production and Functional Aspects on Host Metabolism. , 2018, , 37-106.		15
2375	Dietary administration of probiotic <i>Lactobacillus rhamnosus</i> modulates the neurological toxicities of perfluorobutanesulfonate in zebrafish. <i>Environmental Pollution</i> , 2020, 265, 114832.	3.7	27
2376	Effects of <i>Nigella sativa</i> seed polysaccharides on type 2 diabetic mice and gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 725-738.	3.6	57
2377	A review: Roles of carbohydrates in human diseases through regulation of imbalanced intestinal microbiota. <i>Journal of Functional Foods</i> , 2020, 74, 104197.	1.6	18

#	ARTICLE	IF	CITATIONS
2378	Modern urbanization has reshaped the bacterial microbiome profiles of house dust in domestic environments. <i>World Allergy Organization Journal</i> , 2020, 13, 100452.	1.6	13
2379	Disturbances in Microbial and Metabolic Communication across the Gut-Liver Axis Induced by a Dioxin-like Pollutant: An Integrated Metagenomics and Metabolomics Analysis. <i>Environmental Science & Technology</i> , 2021, 55, 529-537.	4.6	40
2380	Factors influencing bacterial microbiome composition in a wild non-human primate community in Taï National Park, Côte d'Ivoire. <i>ISME Journal</i> , 2018, 12, 2559-2574.	4.4	31
2381	Long-term probiotic intervention mitigates memory dysfunction through a novel H3K27me3-based mechanism in lead-exposed rats. <i>Translational Psychiatry</i> , 2020, 10, 25.	2.4	40
2382	Microbiota, NASH, HCC and the potential role of probiotics. <i>Carcinogenesis</i> , 2017, 38, 231-240.	1.3	125
2383	Gut Microbiota and Cardiovascular Diseases. <i>Cardiology in Review</i> , 2021, 29, 195-204.	0.6	22
2384	<i>Cephalotococcus</i> gen. nov., a new genus of <i>Verrucomicrobia</i> containing two novel species isolated from <i>Cephalotes</i> ant guts. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3034-3040.	0.8	48
2385	<i>Agathobaculum butyriciproducens</i> gen. nov. sp. nov., a strict anaerobic, butyrate-producing gut bacterium isolated from human faeces and reclassification of <i>Eubacterium desmolans</i> as <i>Agathobaculum desmolans</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3656-3661.	0.8	53
2386	Metabolic networks of the human gut microbiota. <i>Microbiology (United Kingdom)</i> , 2020, 166, 96-119.	0.7	22
2403	Raw frozen Antarctic krill (<i>Euphausia superba</i>) as an alternative feed source for cuttlefish <i>Sepiella japonica</i> in artificial breeding systems. <i>Aquaculture Research</i> , 2020, 51, 1867-1879.	0.9	1
2404	Role of gut microbiota-derived metabolites on vascular calcification in CKD. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 1332-1341.	1.6	21
2405	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 386-402.	3.9	517
2406	Sex steroid deficiency-associated bone loss is microbiota dependent and prevented by probiotics. <i>Journal of Clinical Investigation</i> , 2016, 126, 2049-2063.	3.9	416
2407	Fecal microbiota transplantation: Historical review and current perspective. <i>World Journal of Meta-analysis</i> , 2019, 7, 423-427.	0.1	3
2408	Host Biology in Light of the Microbiome: Ten Principles of Holobionts and Hologenomes. <i>PLoS Biology</i> , 2015, 13, e1002226.	2.6	868
2409	Fecal Transplants: What Is Being Transferred?. <i>PLoS Biology</i> , 2016, 14, e1002503.	2.6	128
2410	Increased Adiposity, Dysregulated Glucose Metabolism and Systemic Inflammation in Galectin-3 KO Mice. <i>PLoS ONE</i> , 2013, 8, e57915.	1.1	88
2411	Differences in Mucosal Gene Expression in the Colon of Two Inbred Mouse Strains after Colonization with Commensal Gut Bacteria. <i>PLoS ONE</i> , 2013, 8, e72317.	1.1	26

#	ARTICLE	IF	CITATIONS
2412	In Vitro Fermentation of NUTRIOSEÂ® FB06, a Wheat Dextrin Soluble Fibre, in a Continuous Culture Human Colonic Model System. PLoS ONE, 2013, 8, e77128.	1.1	37
2413	Role of the Lower and Upper Intestine in the Production and Absorption of Gut Microbiota-Derived PUFA Metabolites. PLoS ONE, 2014, 9, e87560.	1.1	67
2414	Development of HuMiChip for Functional Profiling of Human Microbiomes. PLoS ONE, 2014, 9, e90546.	1.1	18
2415	Antioxidants Keep the Potentially Probiotic but Highly Oxygen-Sensitive Human Gut Bacterium Faecalibacterium prausnitzii Alive at Ambient Air. PLoS ONE, 2014, 9, e96097.	1.1	69
2416	Low-Dose Aspartame Consumption Differentially Affects Gut Microbiota-Host Metabolic Interactions in the Diet-Induced Obese Rat. PLoS ONE, 2014, 9, e109841.	1.1	240
2417	Interleukin-15 Modulates Adipose Tissue by Altering Mitochondrial Mass and Activity. PLoS ONE, 2014, 9, e114799.	1.1	31
2418	The Effect of Hyperglycaemia on In Vitro Cytokine Production and Macrophage Infection with Mycobacterium tuberculosis. PLoS ONE, 2015, 10, e0117941.	1.1	39
2419	The Gut Microbiota of Wild Mice. PLoS ONE, 2015, 10, e0134643.	1.1	103
2420	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. PLoS ONE, 2016, 11, e0150943.	1.1	20
2421	Intestinal Microbiota Is Influenced by Gender and Body Mass Index. PLoS ONE, 2016, 11, e0154090.	1.1	511
2422	Comparative Analysis of Gut Microbiota of Native Tibetan and Han Populations Living at Different Altitudes. PLoS ONE, 2016, 11, e0155863.	1.1	70
2423	Impact of Helminth Infections and Nutritional Constraints on the Small Intestine Microbiota. PLoS ONE, 2016, 11, e0159770.	1.1	60
2424	Systematic Review: Adverse Events of Fecal Microbiota Transplantation. PLoS ONE, 2016, 11, e0161174.	1.1	294
2425	Neuropeptide Y Overexpressing Female and Male Mice Show Divergent Metabolic but Not Gut Microbial Responses to Prenatal Metformin Exposure. PLoS ONE, 2016, 11, e0163805.	1.1	35
2426	Daesih-Tang Is an Effective Herbal Formulation in Attenuation of Obesity in Mice through Alteration of Gene Expression and Modulation of Intestinal Microbiota. PLoS ONE, 2016, 11, e0165483.	1.1	56
2427	Intestinal Bacteria Composition and Translocation of Bacteria in Inflammatory Bowel Disease. PLoS ONE, 2017, 12, e0170034.	1.1	103
2428	The impact of Roux-en-Y gastric bypass surgery on normal metabolism in a porcine model. PLoS ONE, 2017, 12, e0173137.	1.1	10
2429	Assessment of gut microbiota populations in lean and obese Zucker rats. PLoS ONE, 2017, 12, e0181451.	1.1	29

#	ARTICLE	IF	CITATIONS
2430	Mechanisms by which Porphyromonas gingivalis evades innate immunity. PLoS ONE, 2017, 12, e0182164.	1.1	28
2431	In vivo therapeutic effect of combination treatment with metformin and Scutellaria baicalensis on maintaining bile acid homeostasis. PLoS ONE, 2017, 12, e0182467.	1.1	46
2432	Functional role of ADAMTS5 in adiposity and metabolic health. PLoS ONE, 2018, 13, e0190595.	1.1	12
2433	Gut microbiota and obesity: implications for fecal microbiota transplantation therapy. Hormones, 2017, 13, 223-234.	0.9	27
2434	Gut Microbiome-Brain Communications Regulate Host Physiology and Behavior. Journal of Nutritional Health & Food Science, 2015, 3, .	0.3	3
2435	Imaging of brain glucose uptake by PET in obesity and cognitive dysfunction: life-course perspective. Endocrine Connections, 2019, 8, R169-R183.	0.8	17
2436	Neonatal exposure to androgens dynamically alters gut microbiota architecture. Journal of Endocrinology, 2020, 247, 69-85.	1.2	12
2437	Association of oncogenic bacteria with colorectal cancer in South China. Oncotarget, 2016, 7, 80794-80802.	0.8	70
2438	Higher enterococcus counts indicate a lower risk of colorectal adenomas: a prospective cohort study. Oncotarget, 2018, 9, 21459-21467.	0.8	3
2439	Microbial Oncotarget: Bacterial-Produced Butyrate, Chemoprevention and Warburg Effect. Oncotarget, 2013, 4, 182-183.	0.8	19
2440	Tissue specificity of DNA damage response and tumorigenesis. Cancer Biology and Medicine, 2019, 16, 396-414.	1.4	32
2441	FROM GREAT GENETICS TO NEUROPSYCHOLOGY –“ OUTLINE OF THE RESEARCH ON THE ASSOCIATION BETWEEN MICROBIOTA AND HUMAN BEHAVIOUR. Postepy Mikrobiologii, 2020, 59, 3-10.	0.1	1
2442	Gut Microbiota and Type 2 Diabetes Mellitus : What is The Link ?. Afro-Egyptian Journal of Infectious and Endemic Diseases, 2018, 6, 112-119.	0.1	1
2443	Virome and Inflammasomes, a Finely Tuned Balance with Important Consequences for the Host Health. Current Medicinal Chemistry, 2019, 26, 1027-1044.	1.2	5
2444	Gut Inflammation: Current Update on Pathophysiology, Molecular Mechanism and Pharmacological Treatment Modalities. Current Pharmaceutical Design, 2014, 20, 1063-1081.	0.9	45
2445	Impact of Prebiotics on Enteric Diseases and Oxidative Stress. Current Pharmaceutical Design, 2020, 26, 2630-2641.	0.9	11
2446	Effects of Gut Microbiota on Drug Metabolism and Guidance for Rational Drug Use Under Hypoxic Conditions at High Altitudes. Current Drug Metabolism, 2019, 20, 155-165.	0.7	12
2447	Interaction between Microbes and Host Intestinal Health: Modulation by Dietary Nutrients and Gut-Brain-Endocrine-Immune Axis. Current Protein and Peptide Science, 2015, 16, 592-603.	0.7	116

#	ARTICLE	IF	CITATIONS
2448	Berberine: A Promising Natural Isoquinoline Alkaloid for the Development of Hypolipidemic Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 2634-2647.	1.0	22
2449	Role of Gut Microbiota in Obesity, Type 2 Diabetes and Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014, 13, 305-311.	0.8	94
2450	Implication of Gut Microbiota in Human Health. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014, 13, 1325-1333.	0.8	18
2451	Microbiome Regulation of Autoimmune, Gut and Liver Associated Diseases. <i>Inflammation and Allergy: Drug Targets</i> , 2016, 14, 84-93.	1.8	12
2452	Whole Grains, Dietary Fibers and the Human Gut Microbiota: A Systematic Review of Existing Literature. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2020, 11, 235-248.	0.5	18
2453	Extraction and Evaluation of Outer Membrane Vesicles from Two Important Gut Microbiota Members, <i>Bacteroides fragilis</i> and <i>Bacteroides thetaiotaomicron</i> . <i>Cell Journal</i> , 2020, 22, 344-349.	0.2	5
2454	The microbiota, antibiotics and breast cancer. <i>Breast Cancer Management</i> , 2019, 8, BMT29.	0.2	8
2455	Enhancement of Short Chain Fatty Acid Production by Co-cultures of Probiotics Fermentation with Pearl Millet (<i>Pennisetum glaucum</i>) Fibre Fractions. <i>Journal of Pure and Applied Microbiology</i> , 2017, 11, 2031-2038.	0.3	3
2456	MICROBIOTA-GUT-BRAIN SIGNALING: A MINIREVIEW. <i>Military Medical Science Letters (Vojenske)</i> Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	0.2	3
2459	Lipopolysaccharide-binding protein plasma levels as a biomarker of obesity-related insulin resistance in adolescents. <i>Korean Journal of Pediatrics</i> , 2016, 59, 231.	1.9	23
2460	Trained Immunity for Personalized Cancer Immunotherapy: Current Knowledge and Future Opportunities. <i>Frontiers in Microbiology</i> , 2019, 10, 2924.	1.5	23
2461	Exploring the Ecology of Bifidobacteria and Their Genetic Adaptation to the Mammalian Gut. <i>Microorganisms</i> , 2021, 9, 8.	1.6	21
2462	Gut Microbiota Profile of Obese Diabetic Women Submitted to Roux-en-Y Gastric Bypass and Its Association with Food Intake and Postoperative Diabetes Remission. <i>Nutrients</i> , 2020, 12, 278.	1.7	47
2463	Effects of a Synbiotic Formula on Functional Bowel Disorders and Gut Microbiota Profile during Long-Term Home Enteral Nutrition (LTHEN): A Pilot Study. <i>Nutrients</i> , 2021, 13, 87.	1.7	3
2464	Altered Gut Microbiome in Autism Spectrum Disorder: Potential Mechanism and Implications for Clinical Intervention. <i>Global Clinical and Translational Research</i> , 2019, , 45-52.	0.4	6
2465	A General Perspective of Microbiota in Human Health and Disease. , 2020, 11, .		3
2466	Nonalcoholic fatty liver disease and type 2 diabetes: pathophysiological mechanisms shared between the two faces of the same coin. <i>Exploration of Medicine</i> , 2020, 1, .	1.5	37
2467	Characteristics of fecal microbial communities in patients with non-anastomotic biliary strictures after liver transplantation. <i>World Journal of Gastroenterology</i> , 2017, 23, 8217-8226.	1.4	6

#	ARTICLE	IF	CITATIONS
2468	Lingguizhugan decoction attenuates diet-induced obesity and hepatosteatosis via gut microbiota. <i>World Journal of Gastroenterology</i> , 2019, 25, 3590-3606.	1.4	30
2469	Reaction of antibodies to <i>Campylobacter jejuni</i> and cytolethal distending toxin B with tissues and food antigens. <i>World Journal of Gastroenterology</i> , 2019, 25, 1050-1066.	1.4	7
2470	Granulocyte-macrophage colony-stimulating factor protects mice against hepatocellular carcinoma by ameliorating intestinal dysbiosis and attenuating inflammation. <i>World Journal of Gastroenterology</i> , 2020, 26, 5420-5436.	1.4	11
2471	Is it who you are or what you do that is important in the human gut?. <i>Beneficial Microbes</i> , 2013, 4, 219-222.	1.0	10
2472	Impact of probiotics and their metabolites in enhancement the functional properties of whey-based beverages. <i>AIMS Agriculture and Food</i> , 2020, 5, 521-542.	0.8	6
2473	JTD special edition 'Hot Topics in COPD'-The microbiome in COPD. <i>Journal of Thoracic Disease</i> , 2014, 6, 1525-31.	0.6	18
2474	Cross Talk Between Functional Foods and Gut Health. <i>Health Information Systems and the Advancement of Medical Practice in Developing Countries</i> , 0, , 195-216.	0.1	1
2475	Effects of Microbiota on the Treatment of Obesity with the Natural Product Celastrol in Rats. <i>Diabetes and Metabolism Journal</i> , 2020, 44, 747-763.	1.8	18
2476	Revisiting the Bacterial Phylum Composition in Metabolic Diseases Focused on Host Energy Metabolism. <i>Diabetes and Metabolism Journal</i> , 2020, 44, 658-667.	1.8	19
2477	Bariatric surgery and diabetes remission: Who would have thought it?. <i>Indian Journal of Endocrinology and Metabolism</i> , 2015, 19, 563.	0.2	35
2478	Volatile Organic Compounds as Novel Markers for the Detection of Bacterial Infections. <i>Clinical Microbiology (Los Angeles, Calif)</i> , 2014, 03, .	0.2	17
2479	Genomic Sequence and Pre-Clinical Safety Assessment of <i>Bifidobacterium longum</i> CECT 7347, a Probiotic able to Reduce the Toxicity and Inflammatory Potential of Gliadin-Derived Peptides. <i>Journal of Probiotics & Health</i> , 2013, 01, .	0.6	1
2480	The Modulation Effect of Triglyceride Type and Phospholipids Type ω -3 LCPUFA on Mice Gut Microbiota. <i>Journal of Biosciences and Medicines</i> , 2017, 05, 54-64.	0.1	3
2481	Absolute Configuration of (-)-2-(4-Hydroxyphenyl)propionic acid: Stereochemistry of Soy Isoflavone Metabolism. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1883-1886.	1.0	6
2482	Effect of increasing levels of rice distillers' by-product on growth performance, nutrient digestibility, blood profile and colonic microbiota of weaned piglets. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 788-801.	2.4	4
2483	Co- and multimorbidity patterns in an unselected Norwegian population: cross-sectional analysis based on the HUNT Study and theoretical reflections concerning basic medical models. <i>European Journal for Person Centered Healthcare</i> , 2014, 2, 335.	0.3	18
2484	Effect of Probiotic Supplementation on Blood Pressure of Females with Gestational Diabetes Mellitus: A Randomized Double Blind Controlled Clinical Trial. <i>Iranian Red Crescent Medical Journal</i> , 2017, 19, .	0.5	9
2485	The Role of Meat Protein in Generation of Oxidative Stress and Pathophysiology of Metabolic Syndromes. <i>Food Science of Animal Resources</i> , 2020, 40, 1-10.	1.7	12

#	ARTICLE	IF	CITATIONS
2486	Functional signature analysis of extreme Prakriti endo-phenotypes in gut microbiome of western Indian rural population. <i>Bioinformatics</i> , 2019, 15, 490-505.	0.2	6
2487	Type 2 diabetes mellitus-related environmental factors and the gut microbiota: emerging evidence and challenges. <i>Clinics</i> , 2020, 75, e1277.	0.6	25
2488	Influência da microbiota intestinal na síndrome metabólica. , 0, , 113-138.		1
2489	Biofilms deform soft surfaces and disrupt epithelia. <i>ELife</i> , 2020, 9, .	2.8	37
2490	Interactions between <i>Drosophila</i> and its natural yeast symbionts <i>Saccharomyces cerevisiae</i> a good model for studying the fly-yeast relationship?. <i>PeerJ</i> , 2015, 3, e1116.	0.9	76
2491	Sorghum and wheat differentially affect caecal microbiota and associated performance characteristics of meat chickens. <i>PeerJ</i> , 2017, 5, e3071.	0.9	23
2492	Associations between the human intestinal microbiota, <i>Lactobacillus rhamnosus</i> GG and serum lipids indicated by integrated analysis of high-throughput profiling data. <i>PeerJ</i> , 2013, 1, e32.	0.9	166
2493	Bibliometric analysis of research on the role of intestinal microbiota in obesity. <i>PeerJ</i> , 2018, 6, e5091.	0.9	40
2494	Comparison of the fecal microbiota of two free-ranging Chinese subspecies of the leopard (<i>Panthera pardus</i>) using high-throughput sequencing. <i>PeerJ</i> , 2019, 7, e6684.	0.9	18
2495	Factors affecting the composition of the gut microbiota, and its modulation. <i>PeerJ</i> , 2019, 7, e7502.	0.9	360
2496	A reproducible approach to high-throughput biological data acquisition and integration. <i>PeerJ</i> , 2015, 3, e791.	0.9	12
2497	Alteration of the gut microbiota associated with childhood obesity by 16S rRNA gene sequencing. <i>PeerJ</i> , 2020, 8, e8317.	0.9	74
2498	Synthetic dietary inulin, Fuji FF, delays development of diet-induced obesity by improving gut microbiota profiles and increasing short-chain fatty acid production. <i>PeerJ</i> , 2020, 8, e8893.	0.9	14
2499	Dynamic changes in intestinal microbiota in young forest musk deer during weaning. <i>PeerJ</i> , 2020, 8, e8923.	0.9	8
2500	Gut microbiota of obese and diabetic Thai subjects and interplay with dietary habits and blood profiles. <i>PeerJ</i> , 2020, 8, e9622.	0.9	7
2501	Insulin resistance and <i>“Lipotoxic Liver Diseases”</i> , <i>Tropical Gastroenterology: Official Journal of the Digestive Diseases Foundation</i> , 2013, 34, 1-4.	0.0	2
2502	An Overview of Cultural, Molecular and Metagenomic Techniques in Description of Microbial Diversity. <i>Journal of Advances in Microbiology</i> , 2017, 7, 1-19.	0.2	16
2503	Evaluation of the effect of antibiotics on gut microbiota in early life based on culturomics, SMRT sequencing and metagenomics sequencing methods. <i>Analytical Methods</i> , 2021, 13, 5144-5156.	1.3	2

#	ARTICLE	IF	CITATIONS
2504	Biological Function of Short-Chain Fatty Acids and Its Regulation on Intestinal Health of Poultry. <i>Frontiers in Veterinary Science</i> , 2021, 8, 736739.	0.9	63
2505	Can manipulation of gut microbiota really be transformed into an intervention strategy for cardiovascular disease management?. <i>Folia Microbiologica</i> , 2021, 66, 897-916.	1.1	5
2507	Bacterial metabolites and cardiovascular risk in children with chronic kidney disease. <i>Molecular and Cellular Pediatrics</i> , 2021, 8, 17.	1.0	3
2508	Role of dietary amino acids and microbial metabolites in the regulation of pig intestinal health. <i>Animal Nutrition</i> , 2022, 9, 1-6.	2.1	6
2509	Role of Maternal Microbiota and Nutrition in Early-Life Neurodevelopmental Disorders. <i>Nutrients</i> , 2021, 13, 3533.	1.7	9
2510	Insights into Gastrointestinal Virome: Etiology and Public Exposure. <i>Water (Switzerland)</i> , 2021, 13, 2794.	1.2	5
2511	Modulating effects of capsaicin on glucose homeostasis and the underlying mechanism. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3634-3652.	5.4	11
2512	Migration effects on the intestinal microbiota of Tibetans. <i>PeerJ</i> , 2021, 9, e12036.	0.9	4
2513	Network of Interactions Between Gut Microbiome, Host Biomarkers, and Urine Metabolome in Carotid Atherosclerosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 708088.	1.8	5
2514	Gut microbiota and short-chain fatty acid alterations in cachectic cancer patients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 2007-2021.	2.9	56
2515	Rapeseed polysaccharides alleviate overweight induced by high-fat diet with regulation of gut microbiota in rats. <i>Oil Crop Science</i> , 2021, 6, 192-200.	0.9	8
2516	Temporal relationship between alterations in the gut microbiome and the development of polycystic ovary syndrome-like phenotypes in prenatally androgenized female mice. <i>FASEB Journal</i> , 2021, 35, e21971.	0.2	8
2517	Loss of diurnal behavioral rhythms and impaired lipid metabolism in growing pigs with mistimed feeding. <i>FASEB Journal</i> , 2021, 35, e21972.	0.2	4
2518	Dietary Energy Level Impacts the Performance of Donkeys by Manipulating the Gut Microbiome and Metabolome. <i>Frontiers in Veterinary Science</i> , 2021, 8, 694357.	0.9	7
2519	Macrophage deletion of <i>Noc4l</i> triggers endosomal TLR4/TRIF signal and leads to insulin resistance. <i>Nature Communications</i> , 2021, 12, 6121.	5.8	6
2520	Tuber flours improve intestinal health and modulate gut microbiota composition. <i>Food Chemistry: X</i> , 2021, 12, 100145.	1.8	1
2521	Potential influence of the microbiome environment in patients with biliary tract cancer and implications for therapy. <i>British Journal of Cancer</i> , 2022, 126, 693-705.	2.9	18
2522	Gut-microbiota-microglia-brain interactions in Alzheimer's disease: knowledge-based, multi-dimensional characterization. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 177.	3.0	15

#	ARTICLE	IF	CITATIONS
2523	Gut Microbiota-Derived Metabolites in Colorectal Cancer: The Bad and the Challenges. <i>Frontiers in Oncology</i> , 2021, 11, 739648.	1.3	30
2524	Shaping the gut microbiota by bioactive phytochemicals: An emerging approach for the prevention and treatment of human diseases. <i>Biochimie</i> , 2022, 193, 38-63.	1.3	18
2525	The Modulation of Gut Microbiota Composition in the Pathophysiology of Gestational Diabetes Mellitus: A Systematic Review. <i>Biology</i> , 2021, 10, 1027.	1.3	12
2526	Comparative analysis of gut bacterial community composition during a single day cycle in Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture Reports</i> , 2021, 21, 100907.	0.7	10
2527	Next-Generation Sequencing on Metagenomic Data: Assembly and Binning. , 2013, , 1-7.		1
2528	Inhibición de colonización intestinal por <i>Vibrio cholerae</i> con <i>Lactobacillus acidophilus</i> 1 en conejos lactantes. <i>Revista MVZ Córdoba</i> , 0, , 3689-3698.	0.2	0
2530	Lactobacillus Cocktail Changes Gut Flora and Reduces Cholesterolemia and Weight Gain in Hyperlipidemia Mice. <i>SOJ Microbiology & Infectious Diseases</i> , 2014, 2, .	0.7	0
2531	Intestinal Microbiota: An Emerging Target for Modifying Cardiovascular Health. <i>Journal of Diabetes & Metabolism</i> , 2014, 5, .	0.2	0
2532	Gut Microbiota. , 2014, , 1-4.		0
2533	Introduction to Metabonomics in Systems Biology Research. <i>Molecular and Integrative Toxicology</i> , 2015, , 1-24.	0.5	0
2534	Metabonomics and Gut Microbial Paradigm in Healthy Aging. <i>Molecular and Integrative Toxicology</i> , 2015, , 169-184.	0.5	0
2537	Host-microbe interactions in the gut: lessons learned from models of inflammatory bowel diseases. <i>LymphoSign Journal</i> , 2014, 1, 61-76.	0.1	0
2538	Comparison Analysis of Swine Gut Microbiota between Landrace and Yorkshire at Various Growth Stages. <i>Korean Journal of Microbiology</i> , 2014, 50, 308-312.	0.2	0
2539	Microbiome-Gut-Brain Axis. , 2015, , 425-437.		0
2540	Perspective and Direction for Future Research: Modification of High Calorie Diet Needed for Optimal Health of Human Visceral and Brain Tissues. , 2015, , 277-298.		0
2541	Current Treatment Options for Inflammatory Bowel Diseases and Future Perspectives. <i>Juntendo Medical Journal</i> , 2015, 61, 588-596.	0.1	1
2542	Gut Microbiome, Obesity and Metabolic Syndrome. , 2015, , 1-14.		2
2544	Isolation and Characterization of Phytase from Chicken Manure Bacteria. <i>Jurnal Natur Indonesia</i> , 2015, 15, 99.	0.1	1

#	ARTICLE	IF	CITATIONS
2545	Gut Microbiota. , 2016, , 1974-1977.		0
2546	The Modulatory Effect of Dietary &Apostichopus japonicus& on Mice with Ulcerative Colitis Induced by Trinitrobenzene Sulfonic Acid. Journal of Biosciences and Medicines, 2016, 04, 15-27.	0.1	1
2547	Interaction between the Microbiome and Diet: The Hologenome Concept. Journal of Nutrition & Food Sciences, 2016, 06, .	1.0	3
2548	Early Microbe Contact in Defining Child Metabolic Health and Obesity Risk. , 2016, , 369-389.		1
2549	The Interaction of Diet, Microbiota, and Antimicrobial Peptides in the Gastrointestinal Ecosystem. Niche Journal, 2016, 3, 28-32.	0.4	1
2550	FECAL MICROBIOTA THERAPY AND ITS POTENTIAL IN MEDICAL PRACTICE. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2016, 85, 111-120.	0.2	0
2552	The skin microbiome, new knowledge, atopic dermatitis. Pediatrie Pro Praxi, 2016, 17, 291-295.	0.1	1
2554	3 Weight Management and Obesity. , 2017, , 45-64.		0
2556	Gut Microbiota, a Key Factor Relating Diet and Inflammation with the Progression of Cognitive Impairment in Older People. Journal of Nutritional Health & Food Engineering, 2017, 6, .	0.5	1
2557	Introductory Chapter: Obesity&œOMICS&and Endocrinology. , 0, , .		0
2558	The syndrome of bacterial overgrowth in children with chronic gastritis. Aktual&na Infektologi&, 2017, 5, 96-100.	0.1	0
2560	23. The gut microbiota in heart health & do probiotics and prebiotics have a role?. Human Health Handbooks, 2017, , 489-509.	0.1	0
2562	Review on the Regulation Function of Human Milk Glycans on Neonatal Gut Microbiota. Hans Journal of Food and Nutrition Science, 2018, 07, 81-90.	0.0	0
2563	Holistic Healing- A Current Need of Holistic Medicine. Journal of Cell Science & Therapy, 2018, 09, .	0.3	0
2564	Diet-Induced Epigenetic Modifications and Implications for Intestinal Diseases. , 2018, , 1-21.		0
2565	Chronic hepatitis D and non-alcoholic fatty liver disease. Main aspects of pathogenesis. Vestnik of Russian Military Medical Academy, 2018, 20, 216-221.	0.1	2
2566	From Evolutionary Advantage to Disease Agents: Forensic Reevaluation of Host-Microbe Interactions and Pathogenicity. , 0, , 33-62.		0
2568	Does microbiota influence the risk of childhood obesity?. Revista Espanola De Nutricion Humana Y Dietetica, 2018, 22, 157-168.	0.1	3

#	ARTICLE	IF	CITATIONS
2574	Excrement Strikes Back: The Dark Side of Fecal Microbiota Transplantation. Korean Journal of Healthcare-Associated Infection Control and Prevention, 2019, 24, 108.	0.1	0
2576	Study on Metabolic Changes of Intestinal Microflora in Infant with Community-Acquired Pneumonia after Antibiotics Treatment. Asian Case Reports in Pediatrics, 2019, 07, 26-33.	0.1	0
2577	Mucosal Vaccination Challenges in Aging: Understanding Immunosenescence in the Aerodigestive Tract. , 2019, , 1379-1405.		0
2578	Altered Gut Microbiome in Autism Spectrum Disorder: Potential Mechanism and Implications for Clinical Intervention. , 2019, , .		2
2579	Novel Methods to Overcome Acquired Resistance to Immunotherapy. Resistance To Targeted Anti-cancer Therapeutics, 2019, , 97-129.	0.1	0
2580	Chronic Physical Activity Does Not Impact Metabolic Responses to Low or High Doses of Resistant Starch: A Crossover Trial. Open Journal of Preventive Medicine, 2019, 09, 69-79.	0.2	0
2582	Gut Microbiota and Health: Understanding the Role of Diet. Food and Nutrition Sciences (Print), 2019, 10, 1344-1373.	0.2	4
2583	Cross Talk Between Functional Foods and Gut Health. , 2019, , 330-351.		0
2584	The lung microbiome in obstructive airways disease: potential pathogenetic roles. , 2019, , 140-157.		0
2585	Serum Cholesterol-lowering Effect of Fermented Milk and Effect of Intestinal Microflora Composition on Function of Fermented Milk. Journal of Milk Science and Biotechnology, 2019, 37, 27-32.	0.3	2
2586	Functioning of the Intestinal Ecosystem: From New Technologies in Microbial Research to Practical Poultry Feeding â€“ A Review. Annals of Animal Science, 2019, 19, 239-256.	0.6	0
2589	La microbiota del tracto digestivo de camarones peneidos: una perspectiva histÃ³rica y estado del arte//The gut microbiota of penaeid shrimp: a historical perspective and state of the art. Biotecnia, 2019, 22, 5-16.	0.1	0
2590	Microbiome and human aging (literature review). Journal of the National Academy of Medical Sciences of Ukraine, 2019, , 463-475.	0.1	1
2591	Effect of administration of synbiotics mixture containing <i>Bifidobacterium longum</i> and xylooligosaccharide on fecal microbiota and defecation characteristics in healthy volunteers. Journal of Nutrition and Health, 2020, 53, 390.	0.2	2
2594	Relationship between non-alcoholic fatty liver disease and cardiovascular disease. World Chinese Journal of Digestology, 2020, 28, 313-329.	0.0	1
2595	Association between Probiotic Yogurt Intake and Gestational Diabetes Mellitus: A Case-Control Study. Iranian Journal of Public Health, 0, , .	0.3	10
2596	Polifenollerin BaÅŸÄ±rsak Mikrobiyota Kompozisyonunu DÄ¼zenleyici ve NÄ¶roprotektif Etkileri. Akademik GÄ±da, 0, , 190-208.	0.5	2
2597	Modeling Microbial Community Networks: Methods and Tools. Current Genomics, 2021, 22, 267-290.	0.7	2

#	ARTICLE	IF	CITATIONS
2599	Ferulic acid mediates prebiotic responses of cereal-derived arabinoxylans on host health. <i>Animal Nutrition</i> , 2022, 9, 31-38.	2.1	15
2600	Gut Microbiome-Dependent Metabolic Pathways and Risk of Lethal Prostate Cancer: Prospective Analysis of a PLCO Cancer Screening Trial Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, 31, 192-199.	1.1	18
2601	Cryopreservation of Infant Gut Microbiota with Natural Cryoprotectants. <i>Biopreservation and Biobanking</i> , 2021, , .	0.5	0
2602	Short Communication: Obesity Intervention Resulting in Significant Changes in the Human Gut Viral Composition. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10039.	1.3	4
2603	Effects of two dietary protein levels on growth, body composition, intestinal microflora and expression of TOR, IGF-1, LPL and HSP70 of juvenile silver sillago, <i>Sillago sihama</i> . <i>Aquaculture Nutrition</i> , 2021, 27, 2218-2230.	1.1	3
2604	Expression and Localization of VIP in Different Segments of Pigeon Intestine. <i>Pakistan Journal of Zoology</i> , 2020, 52, .	0.1	0
2605	Review: Uremic Toxins and Gut Microbiome. , 2020, , 17-39.		0
2606	Shifts in the Bacterial Community of Supragingival Plaque Associated With Metabolic-Associated Fatty Liver Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 581888.	1.8	8
2607	Probióticos na redução de sintomas de ansiedade e depressão: uma revisão integrativa. <i>Revista Ciências Em Saude</i> , 2020, 10, 97-108.	0.0	1
2608	The gut microbiome and the kidney. , 2022, , 147-161.		1
2609	First characterization of the gut microbiome associated with <i>Mytilus chilensis</i> collected at a mussel farm and from a natural environment in Chile. <i>Aquaculture</i> , 2022, 548, 737644.	1.7	10
2610	Effects of fermented soybean meal and guanosine 5'-monophosphate on growth, intestinal health and anti-stress capability of <i>Penaeus vannamei</i> in low fish meal diet. <i>Aquaculture</i> , 2022, 548, 737591.	1.7	9
2611	Gut Microbiota and Extraintestinal Disorders: Are They Interrelated?. <i>Bengal Physician Journal</i> , 2021, 7, 8-11.	0.1	0
2612	The Mucosally-Adherent Rectal Microbiota Contains Features Unique to Alcohol-Related Cirrhosis. <i>Gut Microbes</i> , 2021, 13, 1987781.	4.3	10
2613	Gut Microbiota and Risk for Atherosclerosis: Current Understanding of the Mechanisms. , 2020, , 167-186.		0
2614	Milk proteins: Their role in cardiovascular health. , 2020, , 145-172.		0
2616	ANSAKROBOTASI. Eskişehir Teknik Üniversitesi Bilim Ve Teknoloji Dergisi - C Yaşam Bilimleri Ve Biyoteknoloji, 2020, 9, 146-154.	0.1	1
2619	Influence of Gut Microbiota on Mental Health via Neurotransmitters: A Review. <i>Journal of Artificial Intelligence for Medical Sciences</i> , 2020, 1, 1-14.	1.3	10

#	ARTICLE	IF	CITATIONS
2620	Shifts in the Intestinal Microbiota After Gastric Bypass. , 2020, , 395-402.		0
2621	The Role of Synbiotics in Alleviating Oxidative Stress in Colorectal Cancer. , 2020, , 93-106.		0
2622	The Effect of Probiotic Intervention in Ameliorating the Altered Central Nervous System Functions in Neurological Disorders: A Review. Open Microbiology Journal, 2020, 14, 18-29.	0.2	4
2625	Polysaccharides from <i>Sargassum fusiforme</i> after UV/H ₂ O ₂ degradation effectively ameliorate dextran sulfate sodium-induced colitis. Food and Function, 2021, 12, 11747-11759.	2.1	25
2628	Comparative analysis of the composition of intestinal microbiome in patients with liver diseases. ScienceRise Biological Science, 2020, .	0.1	0
2629	Effect of α -linolenic acid (ALA) on proliferation of probiotics and its adhesion to colonic epithelial cells. Food Science and Technology, 0, 42, .	0.8	4
2630	Pivotal Dominant Bacteria Ratio and Metabolites Related to Healthy Body Index Revealed by Intestinal Microbiome and Metabolomics. Indian Journal of Microbiology, 2022, 62, 130-141.	1.5	0
2631	Lipopolysaccharides derived from gram-negative bacterial pool of human gut microbiota promote inflammation and obesity development. International Reviews of Immunology, 2022, 41, 45-56.	1.5	18
2632	Interactions between parasitic helminths and gut microbiota in wild tropical primates from intact and fragmented habitats. Scientific Reports, 2021, 11, 21569.	1.6	12
2633	Nuclear receptors: a bridge linking the gut microbiome and the host. Molecular Medicine, 2021, 27, 144.	1.9	11
2634	Effect of Long-Term and Short-Term Imbalanced Zn Manipulation on Gut Microbiota and Screening for Microbial Markers Sensitive to Zinc Status. Microbiology Spectrum, 2021, 9, e0048321.	1.2	17
2636	Effect of Probiotic Supplementation on Blood Pressure of Females with Gestational Diabetes Mellitus: A Randomized Double Blind Controlled Clinical Trial. Iranian Red Crescent Medical Journal, 2017, In Press, .	0.5	0
2637	Microbiotas are Part of Holobiont Fitness. , 2013, , 55-80.		0
2639	Gut microbiota in hospitalized children with acute infective gastroenteritis caused by virus or bacteria in a regional Peruvian hospital. PeerJ, 2020, 8, e9964.	0.9	5
2642	Inflammatory cytokines and lipid profile in children and adolescents with nephrotic syndrome receiving <i>L. Plantarum</i> : a randomized, controlled feasibility trial. Revista Da AssociaçãO Médica Brasileira, 2020, 66, 1487-1492.	0.3	6
2643	Metabiotics in Colorectal Cancer: Crosstalk Between Gut Microbiota and Host Pathology. , 2021, , 95-112.		1
2644	Comment on: Fecal metagenomics and metabolomics reveal gut microbial changes after bariatric surgery. Surgery for Obesity and Related Diseases, 2020, 16, 1782-1783.	1.0	0
2646	Effect of Brown Rice Consumption on Inflammatory Marker and Cardiovascular Risk Factors among Overweight and Obese Non-menopausal Female Adults. International Journal of Preventive Medicine, 2014, 5, 478-88.	0.2	17

#	ARTICLE	IF	CITATIONS
2647	Effects of preventative application of metformin on bile acid metabolism in high fat-fed/streptozotocin-diabetic rats. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 5450-6.	0.5	6
2648	Part 1: The Human Gut Microbiome in Health and Disease. <i>Integrative Medicine</i> , 2014, 13, 17-22.	0.1	104
2649	Treating Obesity and Metabolic Syndrome with Fecal Microbiota Transplantation. <i>Yale Journal of Biology and Medicine</i> , 2016, 89, 383-388.	0.2	82
2650	Chronic Kidney Disease: The Gut-Kidney Connection?. <i>Integrative Medicine</i> , 2017, 16, 14-16.	0.1	0
2651	Association between Probiotic Yogurt Intake and Gestational Diabetes Mellitus: A Case-Control Study. <i>Iranian Journal of Public Health</i> , 2019, 48, 1248-1256.	0.3	8
2652	The association between gut microbiota, cholesterol gallstones, and colorectal cancer. <i>Gastroenterology and Hepatology From Bed To Bench</i> , 2019, 12, S8-S13.	0.6	5
2654	Transcriptomics Analysis Reveals the Immune Response Mechanism of Rabbits with Diarrhea Fed an Antibiotic-Free Diet. <i>Animals</i> , 2021, 11, .	1.0	0
2655	Understanding the Effects of Metabolites on the Gut Microbiome and Severe Acute Pancreatitis. <i>BioMed Research International</i> , 2021, 2021, 1516855.	0.9	0
2656	<i>Dendrobium fimbriatum</i> Hook polysaccharide ameliorates dextran-sodium-sulfate-induced colitis in mice <i>via</i> improving intestinal barrier function, modulating intestinal microbiota, and reducing oxidative stress and inflammatory responses. <i>Food and Function</i> , 2022, 13, 143-160.	2.1	48
2657	The role of probiotics in maintaining immune homeostasis. , 2022, , 41-58.		1
2658	Nutritional physiology. , 2022, , 593-641.		4
2659	Anti-obesity natural products and gut microbiota. <i>Food Research International</i> , 2022, 151, 110819.	2.9	23
2660	Transcriptomics Analysis Reveals the Immune Response Mechanism of Rabbits with Diarrhea Fed an Antibiotic-Free Diet. <i>Animals</i> , 2021, 11, 2994.	1.0	5
2661	Gastrointestinal Development and Microbiota Responses of Geese to Honeycomb Flavonoids Supplementation. <i>Frontiers in Veterinary Science</i> , 2021, 8, 739237.	0.9	5
2662	Molecular Identification and Selection of Probiotic Strains Able to Reduce the Serum TMAO Level in Mice Challenged with Choline. <i>Foods</i> , 2021, 10, 2931.	1.9	6
2663	Diet-mediated metaorganismal relay biotransformation: health effects and pathways. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 4599-4617.	5.4	2
2664	<i>Limosilactobacillus fermentum</i> Strains with Claimed Probiotic Properties Exert Anti-oxidant and Anti-inflammatory Properties and Prevent Cardiometabolic Disorder in Female Rats Fed a High-Fat Diet. <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 601-613.	1.9	15
2665	<i>Lactobacillus paracasei</i> M11 isolated from fermented rice demonstrates good antioxidant properties <i>in vitro</i> and <i>in vivo</i> . <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 3107-3118.	1.7	5

#	ARTICLE	IF	CITATIONS
2666	Fortified Fermented Rice-Acid Can Regulate the Gut Microbiota in Mice and Improve the Antioxidant Capacity. <i>Nutrients</i> , 2021, 13, 4219.	1.7	2
2667	Trimethylamine N-oxide promotes hyperoxaluria-induced calcium oxalate deposition and kidney injury by activating autophagy. <i>Free Radical Biology and Medicine</i> , 2022, 179, 288-300.	1.3	15
2669	Which Microbes Like My Diet and What Does It Mean for My Heart?. <i>Nutrients</i> , 2021, 13, 4146.	1.7	3
2670	Preterm infant meconium microbiota transplant induces growth failure, inflammatory activation, and metabolic disturbances in germ-free mice. <i>Cell Reports Medicine</i> , 2021, 2, 100447.	3.3	13
2671	The interaction among gut microbes, the intestinal barrier and short chain fatty acids. <i>Animal Nutrition</i> , 2022, 9, 159-174.	2.1	59
2672	Decoding the intestinal microbiota repertoire of sow and weaned pigs using culturomic and metagenomic approaches. <i>Journal of Animal Science and Technology</i> , 2021, 63, 1423-1432.	0.8	8
2673	The Role of Gut and Lung Microbiota in Susceptibility to Tuberculosis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12220.	1.2	16
2674	Probiotics Treatment of Leg Diseases in Broiler Chickens: a Review. <i>Probiotics and Antimicrobial Proteins</i> , 2022, 14, 415-425.	1.9	11
2675	High-Fat, Western-Style Diet, Systemic Inflammation, and Gut Microbiota: A Narrative Review. <i>Cells</i> , 2021, 10, 3164.	1.8	199
2676	The Interaction between Dietary Components, Gut Microbiome, and Endurance Performance. , 0, , .		0
2677	The Maternal Milk Microbiome in Mammals of Different Types and Its Potential Role in the Neonatal Gut Microbiota Composition. <i>Animals</i> , 2021, 11, 3349.	1.0	9
2678	Feeding with Sustainably Sourdough Bread Has the Potential to Promote the Healthy Microbiota Metabolism at the Colon Level. <i>Microbiology Spectrum</i> , 2021, 9, e0049421.	1.2	19
2679	Effects of florfenicol exposure during early life on toxicity, gut microbiota, and fecal metabolome in SD rats. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113038.	2.9	3
2680	Bacillus coagulans SCC-19 maintains intestinal health in cadmium-exposed common carp (Cyprinus) Tj ETQq1 1 0.784314 rgBT /Over microflora. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112977.	2.9	21
2681	Comparative chronic toxicities of PFOS and its novel alternatives on the immune system associated with intestinal microbiota dysbiosis in adult zebrafish. <i>Journal of Hazardous Materials</i> , 2022, 425, 127950.	6.5	41
2684	Dietary Haematococcus pluvialis promotes growth of red swamp crayfish Procambarus clarkii (Girard, 1852) via positive regulation of the gut microbial co-occurrence network. <i>Aquaculture</i> , 2022, 551, 737900.	1.7	12
2685	Mulberry leaf polysaccharides ameliorate obesity through activation of brown adipose tissue and modulation of the gut microbiota in high-fat diet fed mice. <i>Food and Function</i> , 2022, 13, 561-573.	2.1	19
2686	Diet-Gut Microbiota-Brain Axis and IgE-Mediated Food Allergy. , 2022, , 153-168.		4

#	ARTICLE	IF	CITATIONS
2687	A comprehensive study on the relieving effect of <i>Lilium brownii</i> on the intestinal flora and metabolic disorder in <i>p</i> -chlorphenylalanine induced insomnia rats. <i>Pharmaceutical Biology</i> , 2022, 60, 131-143.	1.3	12
2688	Re-aliment regains feed deprivation-induced microflora dysbiosis and immune stress in the gut of red swamp crayfish (<i>Procambarus clarkii</i>). <i>Aquaculture Reports</i> , 2022, 22, 100992.	0.7	4
2689	Vitamin D mitigates diabetes-associated metabolic and cognitive dysfunction by modulating gut microbiota and colonic cannabinoid receptor 1. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 170, 106105.	1.9	18
2690	Gut microbiome composition likely affects the growth of razor clam <i>Sinonovacula constricta</i> . <i>Aquaculture</i> , 2022, 550, 737847.	1.7	13
2691	The effect of high-amylose resistant starch on the glycogen structure of diabetic mice. <i>International Journal of Biological Macromolecules</i> , 2022, 200, 124-131.	3.6	8
2692	The role of sorbents and probiotics in prevention of structural and morphological disorders in the small intestine of animals developing in dysbiosis. <i>Reports of Morphology</i> , 2020, 26, 45-50.	0.0	1
2693	Polyphenol extract and essential oil of <i>Amomum tsao-ko</i> equally alleviate hypercholesterolemia and modulate gut microbiota. <i>Food and Function</i> , 2021, 12, 12008-12021.	2.1	13
2695	Gut microbiota and cardiovascular diseases axis. <i>Minerva Medica</i> , 2022, 113, .	0.3	9
2696	Understanding the Effects of Metabolites on the Gut Microbiome and Severe Acute Pancreatitis. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	8
2699	Understanding the pathways leading to gut dysbiosis and enteric environmental dysfunction in infants: the influence of maternal dysbiosis and other microbiota determinants during early life. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	4
2700	The Effect of <i>Flammulina velutipes</i> Polysaccharide on Immunization Analyzed by Intestinal Flora and Proteomics. <i>Frontiers in Nutrition</i> , 2022, 9, 841230.	1.6	24
2701	Effects of rumen-protected creatine pyruvate on blood biochemical parameters and rumen fluid characteristics in transported beef cattle. <i>BMC Veterinary Research</i> , 2022, 18, 35.	0.7	8
2702	Genetic tools for the redirection of the central carbon flow towards the production of lactate in the human gut bacterium <i>Phocaeicola (Bacteroides) vulgatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1211-1225.	1.7	20
2703	Trait Energy and Fatigue May Be Connected to Gut Bacteria among Young Physically Active Adults: An Exploratory Study. <i>Nutrients</i> , 2022, 14, 466.	1.7	9
2704	Probiotic <i>Bacillus</i> Alleviates Oxidative Stress-Induced Liver Injury by Modulating Gut-Liver Axis in a Rat Model. <i>Antioxidants</i> , 2022, 11, 291.	2.2	22
2705	Intestinal Microbiota and Host Cooperate for Adaptation as a Hologenome. <i>MSystems</i> , 2022, 7, e0126121.	1.7	8
2706	Gut microbiota and metabolic changes towards improved gut health with supplementation of <i>Woodfordia fruticosa</i> , a medicinal plant: An in vitro study. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 75, 102896.	2.7	0
2707	Dietary Fiber and Dyslipidemia. , 0, , .		0

#	ARTICLE	IF	CITATIONS
2708	The gut microbiota of environmentally enriched mice regulates visual cortical plasticity. <i>Cell Reports</i> , 2022, 38, 110212.	2.9	23
2709	The intestine and the microbiota in maternal glucose homeostasis during pregnancy. <i>Journal of Endocrinology</i> , 2022, 253, R1-R19.	1.2	11
2710	Comparative analysis of the gut microbiota composition between two sea snakes, <i>Hydrophis curtus</i> , and <i>Hydrophis cyanocinctus</i> . <i>Coral Reefs</i> , 2022, 41, 53-62.	0.9	4
2711	Host Microbiomes in Tumor Precision Medicine: How far are we?. <i>Current Medicinal Chemistry</i> , 2022, 29, 3202-3230.	1.2	7
2712	Beneficial microbes from human and animal intestines. , 2022, , 55-76.		0
2713	How microbiomes can help inform conservation: landscape characterisation of gut microbiota helps shed light on additional population structure in a specialist folivore. <i>Animal Microbiome</i> , 2022, 4, 12.	1.5	7
2714	Comparative Profiling of Survival, Growth, and Intestinal Microbial Community of Pearl Oyster <i>Pinctada maxima</i> Juvenile in the Industrial Farming: The Feasibility of Using Spray-Dried Microalgae Powder. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	4
2715	Comparative genomics and proteomics of <i>Eubacterium maltosivorans</i> : functional identification of trimethylamine methyltransferases and bacterial microcompartments in a human intestinal bacterium with a versatile lifestyle. <i>Environmental Microbiology</i> , 2022, 24, 517-534.	1.8	8
2716	Different Effects of Lard and Vegetable Blend Oil on Intestinal Microorganisms, Enzyme Activity and Blood Routine in Mice. <i>Journal of Oleo Science</i> , 2022, 71, 301-310.	0.6	12
2717	An Overview of Alkylresorcinols Biological Properties and Effects. <i>Journal of Nutrition and Metabolism</i> , 2022, 2022, 1-12.	0.7	18
2718	Potential Role of the Gut Microbiome In Colorectal Cancer Progression. <i>Frontiers in Immunology</i> , 2021, 12, 807648.	2.2	56
2719	Gut microbiome-immune system interaction in reptiles. <i>Journal of Applied Microbiology</i> , 2022, 132, 2558-2571.	1.4	11
2720	Dietary <i>Hermetia illucens</i> Larvae Meal Improves Growth Performance and Intestinal Barrier Function of Weaned Pigs Under the Environment of Enterotoxigenic <i>Escherichia coli</i> K88. <i>Frontiers in Nutrition</i> , 2021, 8, 812011.	1.6	10
2721	Gut inflammation in CVID: causes and consequences. <i>Expert Review of Clinical Immunology</i> , 2022, 18, 31-45.	1.3	15
2722	Porcine Gut Microbiota and Host Interactions During the Transition from the Suckling to Postweaning Phase. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , 2022, , 147-178.	0.2	7
2723	Pathogenic Mechanism of Autoimmune Diabetes Mellitus in Humans: Potential Role of Streptozotocin-Induced Selective Autoimmunity against Human Islet β -Cells. <i>Cells</i> , 2022, 11, 492.	1.8	6
2724	Dietary fiber in plant cell walls—the healthy carbohydrates. <i>Food Quality and Safety</i> , 2022, 6, .	0.6	15
2725	Multifactorial Mechanism of Sarcopenia and Sarcopenic Obesity. Role of Physical Exercise, Microbiota and Myokines. <i>Cells</i> , 2022, 11, 160.	1.8	52

#	ARTICLE	IF	CITATIONS
2726	Sex Differences in Fish Oil and Olanzapine Effects on Gut Microbiota in Diet-Induced Obese Mice. <i>Nutrients</i> , 2022, 14, 349.	1.7	2
2727	Nonpharmacological Treatment Strategies for the Management of Canine Chronic Inflammatory Enteropathy—A Narrative Review. <i>Veterinary Sciences</i> , 2022, 9, 37.	0.6	9
2728	Gut Dysbiosis and Immune System in Atherosclerotic Cardiovascular Disease (ACVD). <i>Microorganisms</i> , 2022, 10, 108.	1.6	25
2729	The interaction of secreted phospholipase A2-IIA with the microbiota alters its lipidome and promotes inflammation. <i>JCI Insight</i> , 2022, 7, .	2.3	26
2730	Comparative analysis of gut microbial composition and potential functions in captive forest and alpine musk deer. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1325-1339.	1.7	15
2731	Advances in the treatment of inflammatory bowel disease: Focus on polysaccharide nanoparticulate drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2022, 181, 114101.	6.6	36
2732	Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E85-E100.	1.8	14
2733	Modulatory effects of polysaccharides from plants, marine algae and edible mushrooms on gut microbiota and related health benefits: A review. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 169-192.	3.6	45
2734	<i>Nostoc</i> flagelliforme capsular polysaccharides from different culture conditions improve hyperlipidemia and regulate intestinal flora in C57BL/6j mice to varying degrees. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 224-233.	3.6	9
2735	Effects of dietary sunflower meal supplementation on productive performance, antioxidative capacity, lipid metabolism, and gut microbiota in laying ducks. <i>Animal Feed Science and Technology</i> , 2022, 285, 115215.	1.1	1
2736	Targeting intestinal flora and its metabolism to explore the laxative effects of rhubarb. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1615-1631.	1.7	22
2737	Habitats Show More Impacts Than Host Species in Shaping Gut Microbiota of Sympatric Rodent Species in a Fragmented Forest. <i>Frontiers in Microbiology</i> , 2022, 13, 811990.	1.5	4
2738	Gut microbiota and short chain fatty acids partially mediate the beneficial effects of inulin on metabolic disorders in obese <i>ob/ob</i> mice. <i>Journal of Food Biochemistry</i> , 2022, 46, e14063.	1.2	13
2739	Anti-Inflammatory and Anti-asthmatic Effects of TMDCT Decoction in Eosinophilic Asthma Through Treg/Th17 Balance. <i>Frontiers in Pharmacology</i> , 2022, 13, 819728.	1.6	11
2740	The gut microbiome and antibiotic resistome of chronic diarrhea rhesus macaques (<i>Macaca mulatta</i>) and its similarity to the human gut microbiome. <i>Microbiome</i> , 2022, 10, 29.	4.9	24
2741	Effects of <i>Bacillus methylotrophicus</i> SY200 Supplementation on Growth Performance, Antioxidant Status, Intestinal Morphology, and Immune Function in Broiler Chickens. <i>Probiotics and Antimicrobial Proteins</i> , 2022, , 1.	1.9	4
2742	Fecal transplantation from young zebrafish donors efficiently ameliorates the lipid metabolism disorder of aged recipients exposed to perfluorobutanesulfonate. <i>Science of the Total Environment</i> , 2022, 823, 153758.	3.9	14
2743	An acidic polysaccharide from <i>Patinopecten yessoensis</i> skirt prevents obesity and improves gut microbiota and metabolism of mice induced by high-fat diet. <i>Food Research International</i> , 2022, 154, 110980.	2.9	30

#	ARTICLE	IF	CITATIONS
2744	The links between gut microbiota and obesity and obesity related diseases. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112678.	2.5	86
2745	Effects of chronic exposure to microcystin-LR on life-history traits, intestinal microbiota and transcriptomic responses in <i>Chironomus pallidivittatus</i> . <i>Science of the Total Environment</i> , 2022, 823, 153624.	3.9	10
2746	Honey Bee Larval and Adult Microbiome Life Stages Are Effectively Decoupled with Vertical Transmission Overcoming Early Life Perturbations. <i>MBio</i> , 2021, 12, e0296621.	1.8	19
2747	Painong San, a Traditional Chinese Compound Herbal Medicine, Restores Colon Barrier Function on DSS-Induced Colitis in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-13.	0.5	1
2748	Managing Gut Microbiota through In Ovo Nutrition Influences Early-Life Programming in Broiler Chickens. <i>Animals</i> , 2021, 11, 3491.	1.0	32
2749	Therapeutic Opportunities of IL-22 in Non-Alcoholic Fatty Liver Disease: From Molecular Mechanisms to Clinical Applications. <i>Biomedicines</i> , 2021, 9, 1912.	1.4	13
2750	Gut Microbiota Extracellular Vesicles as Signaling Molecules Mediating Host-Microbiota Communications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13166.	1.8	14
2752	Factors influencing the gut microbiome in children: from infancy to childhood. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	21
2753	Decoding the microbiome for the development of translational applications: Overview, challenges and pitfalls. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	0
2754	Repeated mild traumatic brain injury affects microbial diversity in rat jejunum. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	7
2755	The role of biotics in the early stages of life. <i>Pediatric Pro Praxi</i> , 2021, 22, 114-116.	0.1	0
2756	The Gut Microbiota and Host Metabolism. , 2022, , 141-175.		2
2757	Roles for non-human primate-associated phage diversity in improving medicine and public health. <i>Evolution, Medicine and Public Health</i> , 2022, 10, 123-129.	1.1	1
2758	Early Life Nutrition and the Programming of the Phenotype. <i>Fascinating Life Sciences</i> , 2022, , 161-214.	0.5	4
2759	BSh-TRAP: Bile salt hydrolase tagging and retrieval with activity-based probes. <i>Methods in Enzymology</i> , 2022, 664, 85-102.	0.4	2
2760	Protective role of bayberry extract: associations with gut microbiota modulation and key metabolites. <i>Food and Function</i> , 2022, 13, 5547-5558.	2.1	6
2761	Responses of the gut microbiota and metabolite profiles to sulfated polysaccharides from sea cucumber in humanized microbiota mice. <i>Food and Function</i> , 2022, 13, 4171-4183.	2.1	8
2763	<i>Bacillus amyloliquefaciens</i> SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism. <i>Food and Function</i> , 2022, 13, 5381-5395.	2.1	9

#	ARTICLE	IF	CITATIONS
2765	Intertwined Relationship of Mitochondrial Metabolism, Gut Microbiome and Exercise Potential. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2679.	1.8	16
2766	Microbiome-metabolomics insights into the feces of high-fat diet mice to reveal the anti-obesity effects of yak (<i>Bos grunniens</i>) bone collagen hydrolysates. <i>Food Research International</i> , 2022, 156, 111024.	2.9	11
2767	Microbiome Resilience and Health Implications for People in Half-Year Travel. <i>Frontiers in Immunology</i> , 2022, 13, 848994.	2.2	2
2768	Evidence for Constitutive Microbiota-Dependent Short-Term Control of Food Intake in Mice: Is There a Link with Inflammation, Oxidative Stress, Endotoxemia, and GLP-1?. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 349-369.	2.5	3
2769	The Role of the Intestine in the Development of Hyperuricemia. <i>Frontiers in Immunology</i> , 2022, 13, 845684.	2.2	31
2770	Profiles of gut microbiota in obese-insulin-resistant rats treated with probiotics. <i>European Journal of Nutrition</i> , 2022, 61, 2493-2505.	1.8	2
2771	Anti-Diabetic Effects of Ethanol Extract from <i>Sanghuangporous vaninii</i> in High-Fat/Sucrose Diet and Streptozotocin-Induced Diabetic Mice by Modulating Gut Microbiota. <i>Foods</i> , 2022, 11, 974.	1.9	15
2772	Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow. <i>Frontiers in Microbiology</i> , 2022, 13, 835950.	1.5	5
2773	The Intestinal Microbiota May Be a Potential Theranostic Tool for Personalized Medicine. <i>Journal of Personalized Medicine</i> , 2022, 12, 523.	1.1	22
2774	Gut Virome: Role and Distribution in Health and Gastrointestinal Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 836706.	1.8	15
2775	Sows fed with synergistic blend of short- and medium chain organic acid has a carryover effect on post-weaning growth rate. <i>Journal of Animal Science and Technology</i> , 2022, 64, 302-311.	0.8	2
2776	Biotin controls intestinal stem cell mitosis and host-microbiome interactions. <i>Cell Reports</i> , 2022, 38, 110505.	2.9	15
2777	Type, Intensity, and Duration of Exercise as Regulator of Gut Microbiome Profile. <i>Current Sports Medicine Reports</i> , 2022, 21, 84-91.	0.5	8
2778	The Macronutrient Composition of Infant Formula Produces Differences in Gut Microbiota Maturation That Associate with Weight Gain Velocity and Weight Status. <i>Nutrients</i> , 2022, 14, 1241.	1.7	8
2780	Alterations in gut microbiota and metabolites associated with altitude-induced cardiac hypertrophy in rats during hypobaric hypoxia challenge. <i>Science China Life Sciences</i> , 2022, 65, 2093-2113.	2.3	19
2781	Evolution, the Immune System, and the Health Consequences of Socioeconomic Inequality. <i>MSystems</i> , 2022, 7, e0143821.	1.7	4
2784	Enhanced Uptake of Arsenic Induces Increased Toxicity with Cadmium at Non-Toxic Concentrations on <i>Caenorhabditis elegans</i> . <i>Toxics</i> , 2022, 10, 133.	1.6	5
2785	Shedding light on biological sex differences and microbiota-gut-brain axis: a comprehensive review of its roles in neuropsychiatric disorders. <i>Biology of Sex Differences</i> , 2022, 13, 12.	1.8	34

#	ARTICLE	IF	CITATIONS
2786	Short-Term Metformin Treatment Enriches <i>Bacteroides dorei</i> in an Obese Liver Steatosis Zucker Rat Model. <i>Frontiers in Microbiology</i> , 2022, 13, 834776.	1.5	2
2787	Modulated Gut Microbiota for Potential COVID-19 Prevention and Treatment. <i>Frontiers in Medicine</i> , 2022, 9, 811176.	1.2	14
2788	The Positive Influence of Polyphenols Extracted From <i>Pueraria lobata</i> Root on the Gut Microbiota and Its Antioxidant Capability. <i>Frontiers in Nutrition</i> , 2022, 9, 868188.	1.6	11
2789	Er-Chen Decoction Alleviates High-Fat Diet-Induced Nonalcoholic Fatty Liver Disease in Rats through Remodeling Gut Microbiota and Regulating the Serum Metabolism. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-18.	0.5	8
2790	Comparative transcriptomic and metagenomic analyses reveal key factors affecting the growth rate of Red Swamp Crayfish (<i>Procambarus clarkii</i>). <i>Aquaculture Reports</i> , 2022, 23, 101098.	0.7	0
2791	Tectorigenin ameliorated high-fat diet-induced nonalcoholic fatty liver disease through anti-inflammation and modulating gut microbiota in mice. <i>Food and Chemical Toxicology</i> , 2022, 164, 112948.	1.8	23
2792	DIETARY IMPACT ON THE GUT MICROBIOME AND ITS EFFECTS ON CLOSTRIDIUM DIFFICILE, INFLAMMATORY BOWEL DISEASES, AND METABOLIC SYNDROMES (Review Article). <i>Ek'sperimentuli Da Klinikuri Medic'ina</i> , 0, , .	0.0	2
2793	The associations between intestinal bacteria of <i>Eospalax cansus</i> and soil bacteria of its habitat. <i>BMC Veterinary Research</i> , 2022, 18, 129.	0.7	0
2794	Persistent organic pollutants in foods, their interplay with gut microbiota and resultant toxicity. <i>Science of the Total Environment</i> , 2022, 832, 155084.	3.9	23
2795	The Role of Intermittent Energy Restriction Diet on Metabolic Profile and Weight Loss among Obese Adults. <i>Nutrients</i> , 2022, 14, 1509.	1.7	15
2796	Impact of probiotic supplementation in a patient with type 2 diabetes on glycemic and lipid profile. <i>Clinical Nutrition ESPEN</i> , 2022, 49, 264-269.	0.5	6
2797	Comprehensive analysis of <i>Sparassis crispa</i> polysaccharide characteristics during the in vitro digestion and fermentation model. <i>Food Research International</i> , 2022, 154, 111005.	2.9	25
2798	Dissecting the Effect of Berberine on the Intestinal Microbiome in the Weaned Piglets by Metagenomic Sequencing. <i>Frontiers in Microbiology</i> , 2022, 13, 862882.	1.5	4
2799	Stearic acid prevent alcohol-induced liver damage by regulating the gut microbiota. <i>Food Research International</i> , 2022, 155, 111095.	2.9	15
2800	Effect of daily co-exposure to inulin and chlorpyrifos on selected microbiota endpoints in the SHIME [®] model. <i>Environmental Pollution</i> , 2022, 302, 118961.	3.7	2
2801	Perinatal exposure to low-level PBDE-47 programs gut microbiota, host metabolism and neurobehavior in adult rats: An integrated analysis. <i>Science of the Total Environment</i> , 2022, 825, 154150.	3.9	8
2802	Effects of choline chloride on intestinal microbiota and its association with liver fat accumulation in zebrafish. <i>Aquaculture Reports</i> , 2022, 24, 101096.	0.7	0
2803	Effect of the Nutraceutical Micodigest 2.0 on the Complication Rate of Colorectal Cancer Surgery With Curative Intent: Protocol for a Placebo-Controlled Double-blind Randomized Clinical Trial. <i>JMIR Research Protocols</i> , 2022, 11, e34292.	0.5	0

#	ARTICLE	IF	CITATIONS
2804	Recent advances in tissue stem cells. <i>Science China Life Sciences</i> , 2021, 64, 1998-2029.	2.3	12
2805	Imbalance of the Gut Microbiota May Be Associated with Missed Abortions: A Perspective Study from a General Hospital of Hunan Province. <i>Journal of Immunology Research</i> , 2021, 2021, 1-13.	0.9	3
2806	Impact of ocean acidification on physiology and microbiota in hepatopancreas of Pacific oyster <i>Crassostrea gigas</i> . <i>Journal of Oceanology and Limnology</i> , 2022, 40, 620-633.	0.6	4
2807	Differences in fecal and cecal microbiota in C57BL/6J mice fed normal and high fat diet. <i>Journal of Applied Biological Chemistry</i> , 2021, 64, 399-405.	0.2	0
2808	Effects of Dietary Pork Fat Cooked Using Different Methods on Glucose and Lipid Metabolism, Liver Inflammation and Gut Microbiota in Rats. <i>Foods</i> , 2021, 10, 3030.	1.9	6
2809	Long-term gut microbiome dynamics in <i>Drosophila melanogaster</i> reveal environment-specific associations between bacterial taxa at the family level. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212193.	1.2	4
2810	Grifola Frondosa Polysaccharides affects gut microbiota and lipid profiles depended on the molecular weight in mice. , 2021, , .		0
2811	Whole Grain Qingke Attenuates High-Fat Diet-Induced Obesity in Mice With Alterations in Gut Microbiota and Metabolite Profile. <i>Frontiers in Nutrition</i> , 2021, 8, 761727.	1.6	14
2812	The Gut Microbiome and Hepatocellular Carcinoma: Implications for Early Diagnostic Biomarkers and Novel Therapies. <i>Liver Cancer</i> , 2022, 11, 113-125.	4.2	27
2813	Human Gut Microbiota in Health and Selected Cancers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13440.	1.8	23
2814	Fecal Microbiota Dynamics Reveal the Feasibility of Early Weaning of Yak Calves under Conventional Grazing System. <i>Biology</i> , 2022, 11, 31.	1.3	5
2815	Multi-omics analysis reveals gut microbiota-induced intramuscular fat deposition via regulating expression of lipogenesis-associated genes. <i>Animal Nutrition</i> , 2022, 9, 84-99.	2.1	14
2816	Efficient anaerobic consumption of D-xylose by <i>E. coli</i> BL21(DE3) via xylR adaptive mutation. <i>BMC Microbiology</i> , 2021, 21, 332.	1.3	3
2817	Possibilities and limits for using the gut microbiome to improve captive animal health. <i>Animal Microbiome</i> , 2021, 3, 89.	1.5	23
2818	The Regulatory Effects of Citrus Peel Powder on Liver Metabolites and Gut Flora in Mice with Non-Alcoholic Fatty Liver Disease (NAFLD). <i>Foods</i> , 2021, 10, 3022.	1.9	23
2819	Prebiotic to Improve Calcium Absorption in Postmenopausal Women After Gastric Bypass: A Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1053-1064.	1.8	4
2820	Leptin in the Respiratory Tract: Is There a Role in SARS-CoV-2 Infection?. <i>Frontiers in Physiology</i> , 2021, 12, 776963.	1.3	4
2821	<i>Saccharomyces cerevisiae</i> Dehydrated Culture Modulates Fecal Microbiota and Improves Innate Immunity of Adult Dogs. <i>Fermentation</i> , 2022, 8, 2.	1.4	5

#	ARTICLE	IF	CITATIONS
2822	Low Doses of Sucralose Alter Fecal Microbiota in High-Fat Diet-Induced Obese Rats. <i>Frontiers in Nutrition</i> , 2021, 8, 787055.	1.6	9
2823	Nutrition and Physical Activity-Induced Changes in Gut Microbiota: Possible Implications for Human Health and Athletic Performance. <i>Foods</i> , 2021, 10, 3075.	1.9	17
2824	Dynamic distribution of nasal microbial community in yaks (<i>Bos grunniens</i>) at different ages. <i>Tropical Animal Health and Production</i> , 2021, 53, 555.	0.5	0
2825	Is There a Role for the Microbiome and Sudden Death? A Systematic Review. <i>Life</i> , 2021, 11, 1345.	1.1	1
2826	Risk and protection strategies of <i>Amolops wuyiensis</i> intestine against gastrointestinal nematode (<i>Cosmocercoides wuyiensis</i> n. sp.) infection. <i>Environmental Microbiology</i> , 2022, 24, 1454-1466.	1.8	2
2827	(-)-Epigallocatechin-3-Gallate (EGCG) Modulates the Composition of the Gut Microbiota to Protect Against Radiation-Induced Intestinal Injury in Mice. <i>Frontiers in Oncology</i> , 2022, 12, 848107.	1.3	9
2828	Enteric Nervous System: The Bridge Between the Gut Microbiota and Neurological Disorders. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 810483.	1.7	33
2829	<i>Myristica fragrans</i> Extract Regulates Gut Microbes and Metabolites to Attenuate Hepatic Inflammation and Lipid Metabolism Disorders via the AhR/FAS and NF- κ B Signaling Pathways in Mice with Non-Alcoholic Fatty Liver Disease. <i>Nutrients</i> , 2022, 14, 1699.	1.7	11
2830	Changes in polyphenol fractions and bacterial composition after <i>in vitro</i> fermentation of apple peel polyphenol by gut microbiota. <i>International Journal of Food Science and Technology</i> , 2022, 57, 4268-4276.	1.3	4
2831	Beneficial Effects of Three Dietary Cyclodextrins on Preventing Fat Accumulation and Remodeling Gut Microbiota in Mice Fed a High-Fat Diet. <i>Foods</i> , 2022, 11, 1118.	1.9	3
2832	Functional foods with antiviral activity. <i>Food Science and Biotechnology</i> , 2022, 31, 1-12.	1.2	2
2833	Differential Modulation of the European Sea Bass Gut Microbiota by Distinct Insect Meals. <i>Frontiers in Microbiology</i> , 2022, 13, 831034.	1.5	17
2834	The impact of lactating Hu sheep's dietary protein levels on lactation performance, progeny growth and rumen development. <i>Animal Biotechnology</i> , 2022, , 1-12.	0.7	3
2835	Lemon fermented products prevent obesity in high-fat diet-fed rats by modulating lipid metabolism and gut microbiota. <i>Journal of Food Science and Technology</i> , 2023, 60, 1036-1044.	1.4	3
2836	Diversity and distribution of sulfur metabolic genes in the human gut microbiome and their association with colorectal cancer. <i>Microbiome</i> , 2022, 10, 64.	4.9	42
2837	Effects of dietary whole grain buckwheat and oat on benzo[a]pyrene-induced genotoxicity, oxidative and pyroptotic injury in liver of mice. <i>Journal of Functional Foods</i> , 2022, 93, 105082.	1.6	4
2985	Health effects of yogurt consumption during paediatric age: a narrative review. <i>International Journal of Food Sciences and Nutrition</i> , 2022, 73, 738-759.	1.3	4
2987	The interaction between gut microbiome and anti-tumor drug therapy.. <i>American Journal of Cancer Research</i> , 2021, 11, 5812-5832.	1.4	0

#	ARTICLE	IF	CITATIONS
2989	Gastrointestinal and Nutritional Disorders. , 2022, , 7215-7245.		0
2990	Serum untargeted metabolomics analysis of the mechanisms of evodiamine on type 2 diabetes mellitus model rats. Food and Function, 2022, 13, 6623-6635.	2.1	12
2992	Biochemical indexes and gut microbiota testing as diagnostic methods for <i>Penaeus monodon</i> health and physiological changes during AHPND infection with food safety concerns. Food Science and Nutrition, 2022, 10, 2694-2709.	1.5	6
2993	Chitosan Oligosaccharides Regulate the Occurrence and Development of Enteritis in a Human Gut-On-a-Chip. Frontiers in Cell and Developmental Biology, 2022, 10, 877892.	1.8	11
2994	Gut Microbiota and Serum Metabolite Potential Interactions in Growing Layer Hens Exposed to High-Ambient Temperature. Frontiers in Nutrition, 2022, 9, 877975.	1.6	4
2995	Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice. Food and Nutrition Research, 0, 66, .	1.2	5
2996	Geographically diverse canid sampling provides novel insights into pre-industrial microbiomes. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220052.	1.2	3
2997	The Multi-Omics Analysis Revealed a Metabolic Regulatory System of Cecum in Rabbit with Diarrhea. Animals, 2022, 12, 1194.	1.0	6
2999	Host phylogeny, habitat, and diet are main drivers of the cephalopod and mollusk gut microbiome. Animal Microbiome, 2022, 4, 30.	1.5	11
3000	Protective Effects of Dietary Resveratrol against Chronic Low-Grade Inflammation Mediated through the Gut Microbiota in High-Fat Diet Mice. Nutrients, 2022, 14, 1994.	1.7	10
3001	Microbiota Comparison of Amur ide (<i>Leuciscus waleckii</i>) Intestine and Waters at Alkaline Water and Freshwater as the Living Environment. Frontiers in Microbiology, 2022, 13, .	1.5	3
3002	SGLT-2 inhibitors and GLP-1 receptor agonists in metabolic dysfunction-associated fatty liver disease. Trends in Endocrinology and Metabolism, 2022, 33, 424-442.	3.1	23
3003	Effect of Lactobacillus plantarum LMT1-48 on Body Fat in Overweight Subjects: A Randomized, Double-Blind, Placebo-Controlled Trial. Diabetes and Metabolism Journal, 2023, 47, 92-103.	1.8	11
3004	Association of the gut microbiome with cancer immunotherapy. International Journal of Clinical Oncology, 2022, , 1.	1.0	0
3005	Dietary amylose and amylopectin ratio changes starch digestion and intestinal microbiota diversity in goslings. British Poultry Science, 2022, 63, 691-700.	0.8	3
3006	Sex Difference of Gut Microbiota. , 2022, , 363-377.		14
3007	Probiotic Therapy With VSL#3 [®] in Patients With NAFLD: A Randomized Clinical Trial. Frontiers in Nutrition, 2022, 9, .	1.6	13
3008	From Gut Microbiota through Low-Grade Inflammation to Obesity: Key Players and Potential Targets. Nutrients, 2022, 14, 2103.	1.7	29

#	ARTICLE	IF	CITATIONS
3009	Overview of Nutraceuticals and Cardiometabolic Diseases following Socio-Economic Analysis. <i>Endocrines</i> , 2022, 3, 255-295.	0.4	1
3010	Beneficial Effects of Celastrol on Immune Balance by Modulating Gut Microbiota in Experimental Ulcerative Colitis Mice. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 288-303.	3.0	9
3011	Effects of Full-Cycle Exposure to Difenconazole in Parental Zebrafish on the Liver-Gut Axis of F0 and F1 Generations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3012	Clinical Characteristics and Management Strategies for Adult Obese Asthma Patients. <i>Journal of Asthma and Allergy</i> , 0, Volume 15, 673-689.	1.5	10
3013	Significant impairment of intestinal health in zebrafish after subchronic exposure to methylparaben. <i>Science of the Total Environment</i> , 2022, 838, 156389.	3.9	11
3014	A Wipe-Based Stool Collection and Preservation Kit for Microbiome Community Profiling. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
3015	Effect of dietary yeast culture supplementation on the cecal microbiota modulation of geese. <i>Journal of Applied Poultry Research</i> , 2022, 31, 100271.	0.6	1
3016	Clinical and nutritional management of very-low-calorie ketogenic diet (VLCKD) in patients with psoriasis and obesity: a practical guide for the nutritionist. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 10775-10791.	5.4	12
3017	A Review: Cereals on Modulating the Microbiota/Metabolome for Metabolic Health. <i>Current Nutrition Reports</i> , 2022, 11, 371-385.	2.1	3
3018	Alterations in the gut microbiota and its metabolic profile of PM2.5 exposure-induced thyroid dysfunction rats. <i>Science of the Total Environment</i> , 2022, 838, 156402.	3.9	6
3019	Regulation of gut microbiome with redox responsible bacterial cellulose hydrogel for precision chemo-radiotherapy of intestinal cancer. <i>Chemical Engineering Journal</i> , 2022, 446, 137340.	6.6	3
3020	Disturbed glucose metabolism by perfluorobutanesulfonate pollutant and benefit of young fecal transplantation in aged zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113721.	2.9	6
3021	Modulation of gut microbiota by bioactive compounds for prevention and management of type 2 diabetes. <i>Biomedicine and Pharmacotherapy</i> , 2022, 152, 113148.	2.5	20
3022	Polysaccharides from fermented wheat bran enhanced the growth performance of zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT /Overl 101188.	0.7	5
3024	Probiotics for obesity and metabolic syndrome prevention and treatment. , 2022, , 463-484.		0
3026	Analysis of the Therapeutic Effect of Changyanning on Intestinal Flora in Inflammatory Bowel Disease. <i>Contrast Media and Molecular Imaging</i> , 2022, 2022, 1-8.	0.4	4
3027	Comparison of Gut Microbiota Diversity Between Captive and Wild Tokay Gecko (<i>Gekko gekko</i>). <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3028	Dietary Influences on Gut Microbiota with a Focus on Metabolic Syndrome. <i>Metabolic Syndrome and Related Disorders</i> , 2022, 20, 429-439.	0.5	16

#	ARTICLE	IF	CITATIONS
3029	Fecal Microbiota Transplantation Reshapes the Physiological Function of the Intestine in Antibiotic-Treated Specific Pathogen-Free Birds. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
3030	Antidiabetogenic mechanisms of probiotic action in food matrices: A review. <i>PharmaNutrition</i> , 2022, , 100302.	0.8	0
3032	Implementation of the gut microbiota prevents anastomotic leaks in laparoscopic colorectal surgery for cancer:the results of the MIRACLE study. <i>Updates in Surgery</i> , 2022, 74, 1253-1262.	0.9	13
3033	A Black Raspberry-Rich Diet Protects From Dextran Sulfate Sodium-Induced Intestinal Inflammation and Host Metabolic Perturbation in Association With Increased Aryl Hydrocarbon Receptor Ligands in the Gut Microbiota of Mice. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	4
3034	News Coverage of Colorectal Cancer on Google News: Descriptive Study. <i>JMIR Cancer</i> , 2022, 8, e39180.	0.9	2
3035	The Preventive Effects of Fermented and Germinated Foxtail Millet Whole Grain on Kidney Damage in a Diabetic Mouse Model. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
3036	Changes in Serum Fatty Acid Composition and Metabolome-Microbiome Responses of Heigai Pigs Induced by Dietary N-6/n-3 Polyunsaturated Fatty Acid Ratio. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
3037	Isolation of Chitinolytic Bacteria from European Sea Bass Gut Microbiota Fed Diets with Distinct Insect Meals. <i>Biology</i> , 2022, 11, 964.	1.3	4
3038	Review of glucose oxidase as a feed additive: production, engineering, applications, growth-promoting mechanisms, and outlook. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 698-715.	5.1	4
3039	Maternal Fecal Microbes Contribute to Shaping the Early Life Assembly of the Intestinal Microbiota of Co-inhabiting Yak and Cattle Calves. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3040	Effects of Different Roughage Diets on Fattening Performance, Meat Quality, Fatty Acid Composition, and Rumen Microbe in Steers. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	10
3041	Variability in fecal metabolome depending on age, PFBS pollutant, and fecal transplantation in zebrafish: A non-invasive diagnosis of health. <i>Journal of Environmental Sciences</i> , 2023, 127, 530-540.	3.2	2
3042	BATF3 Protects Against Metabolic Syndrome and Maintains Intestinal Epithelial Homeostasis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
3043	Protective effect of protexin concentrate in reducing the toxicity of chlorpyrifos in common carp (<i>Cyprinus carpio</i>). <i>Environmental Toxicology and Pharmacology</i> , 2022, 94, 103918.	2.0	20
3044	A strategy of co-fermentation of distillers dried grains with solubles (DDGS) and lignocellulosic feedstocks as swine feed. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 212-226.	5.1	5
3045	The different effects of psyllium husk and orlistat on weight control, the amelioration of hypercholesterolemia and non-alcohol fatty liver disease in obese mice induced by a high-fat diet. <i>Food and Function</i> , 2022, 13, 8829-8849.	2.1	10
3047	Fat Absorption, Metabolism, and Global Regulation. <i>Food Chemistry, Function and Analysis</i> , 2022, , 68-85.	0.1	0
3049	Recent Progress on Strategies and Applications of Imaging for Intestinal Microflora. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1375.	0.6	0

#	ARTICLE	IF	CITATIONS
3050	Comparison and Correlation Analysis of Immune Function and Gut Microbiota of Broiler Chickens Raised in Double-Layer Cages and Litter Floor Pens. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	5
3051	Pathological Mechanism of Phlegm, Blood stasis, Toxin in a Rabbit Model of Carotid Atherosclerosis Based on Gut Microbiota-host Metabolism Interactions. <i>Clinical Complementary Medicine and Pharmacology</i> , 2023, 3, 100056.	0.9	0
3052	Mitochondrial Function and Microbial Metabolites as Central Regulators of Intestinal Immune Responses and Cancer. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3053	EGCG and catechin relative to green tea extract differentially modulate the gut microbial metabolome and liver metabolome to prevent obesity in mice fed a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2022, 109, 109094.	1.9	13
3054	Influence of the Gut Microbiome on Feed Intake of Farm Animals. <i>Microorganisms</i> , 2022, 10, 1305.	1.6	3
3055	The comparison of changes in fecal and mucosal microbiome in metabolic endotoxemia induced by a high-fat diet. <i>Anaerobe</i> , 2022, 77, 102615.	1.0	1
3056	Microbiome-based personalized nutrition as a result of the 4.0 technological revolution: A mini literature review. <i>Process Biochemistry</i> , 2022, 121, 257-262.	1.8	17
3057	Microbial Networks Reveal the Structure of Water Microbial Communities in Kalamaili Mountain Ungulate Nature Reserve. <i>Water (Switzerland)</i> , 2022, 14, 2188.	1.2	1
3058	<i>Lactobacillus plantarum</i> WSJ-06 alleviates neurobehavioral injury induced by lead in mice through the gut microbiota. <i>Food and Chemical Toxicology</i> , 2022, 167, 113308.	1.8	14
3059	The Role of Gut Microbiota in Some Liver Diseases: From an Immunological Perspective. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	21
3060	Associations of gut microbiota with dyslipidemia based on sex differences in subjects from Northwestern China. <i>World Journal of Gastroenterology</i> , 2022, 28, 3455-3475.	1.4	9
3061	A protocol for the cultivation and monitoring of ileal gut microbiota surrogates. <i>Journal of Applied Microbiology</i> , 0, , .	1.4	0
3062	Qingchang Wenzhong Decoction Prevents the Occurrence of Intestinal Tumors by Regulating Intestinal Microbiota and Gasdermin E. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	6
3063	Alginate Oligosaccharides Ameliorate DSS-Induced Colitis through Modulation of AMPK/NF- κ B Pathway and Intestinal Microbiota. <i>Nutrients</i> , 2022, 14, 2864.	1.7	14
3064	Supplementation of xylo-oligosaccharides to suckling piglets promotes the growth of fiber-degrading gut bacterial populations during the lactation and nursery periods. <i>Scientific Reports</i> , 2022, 12, .	1.6	12
3065	Acute Kidney Injury and Intestinal Dysbiosis. , 0, 2, .		4
3066	Role of butyrogenic Firmicutes in type-2 diabetes. <i>Journal of Diabetes and Metabolic Disorders</i> , 2022, 21, 1873-1882.	0.8	5
3067	Effects of prebiotics in combination with probiotics on intestinal hydrolase activity, microbial population and immunological biomarkers in SD rats fed an AIN-93G diet. <i>Laboratory Animal Research</i> , 2022, 38, .	1.1	1

#	ARTICLE	IF	CITATIONS
3068	Adaptation of the infant gut microbiome during the complementary feeding transition. PLoS ONE, 2022, 17, e0270213.	1.1	5
3069	Cross sectional determinants of VO2 max in free living Iranians: Potential role of metabolic syndrome components and vitamin D status. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2022, 16, 102553.	1.8	0
3070	Unveiling the potentials of bioactive oligosaccharide 1-kestose (GF2) from Musa paradisiaca Linn peel with an anxiolytic effect based on gut microbiota modulation in stressed mice model. Food Bioscience, 2022, , 101881.	2.0	2
3071	Differential Effects of Short-Chain Fatty Acids on L6 Myotube Inflammatory Mediator Production in Response to Lipopolysaccharide- or Palmitic Acid-Stimulation. Nutrients, 2022, 14, 2826.	1.7	2
3072	Fecal Microbes Associated with the Outcomes After Esophagectomy in Patients with Esophageal Cancer. Annals of Surgical Oncology, 2022, 29, 7448-7457.	0.7	3
3073	Gut microbiota composition in colorectal cancer patients is genetically regulated. Scientific Reports, 2022, 12, .	1.6	9
3074	Clostridium species diversity in gut microbiota of patients with renal failure. Microbial Pathogenesis, 2022, 169, 105667.	1.3	7
3075	Understanding the bidirectional interactions between two-dimensional materials, microorganisms, and the immune system. Advanced Drug Delivery Reviews, 2022, 188, 114422.	6.6	21
3076	Effects of sago starch on body weight, food intake, caecum short chain fatty acids, adipose tissue, and hepatic lipid content of fat-induced Sprague Dawley rats. , 2021, 28, 1057-1066.		2
3077	Specific Strains of Faecalibacterium prausnitzii Ameliorate Nonalcoholic Fatty Liver Disease in Mice in Association with Gut Microbiota Regulation. Nutrients, 2022, 14, 2945.	1.7	31
3078	The plant-based diet, microbiome, and kidney health relationship. Journal of Kidney Care, 2021, 6, 112-118.	0.1	0
3079	The effect of exercise on the gut microbiome of athletes: a systematic review. Anadolu KliniÄyi TÄ±p Bilimleri Dergisi, 2022, 27, 357-369.	0.1	0
3080	Electroacupuncture at Lower He-Sea and Front-Mu Acupoints Ameliorates Insulin Resistance in Type 2 Diabetes Mellitus by Regulating the Intestinal Flora and Gut Barrier. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 15, 2265-2276.	1.1	3
3081	Diagnostic and prognostic biomarkers in colorectal cancer and the potential role of exosomes in drug delivery. Cellular Signalling, 2022, 99, 110413.	1.7	7
3082	Effects of Dietary Inclusion of 1 ² -Hydroxy-1 ² -Methylbutyrate on Growth Performance, Fat Deposition, Bile Acid Metabolism, and Gut Microbiota Function in High-Fat and High-Cholesterol Diet-Challenged Layer Chickens. Current Issues in Molecular Biology, 2022, 44, 3413-3427.	1.0	8
3083	Coprophy Prevention Decreases the Reproductive Performance and Granulosa Cell Apoptosis via Regulation of CTSB Gene in Rabbits. Frontiers in Physiology, 0, 13, .	1.3	3
3084	Evolved high aerobic capacity has context-specific effects on gut microbiota. Frontiers in Ecology and Evolution, 0, 10, .	1.1	1
3085	Therapeutic potential of short-chain fatty acid production by gut microbiota in neurodegenerative disorders. Nutrition Research, 2022, 106, 72-84.	1.3	15

#	ARTICLE	IF	CITATIONS
3086	Longitudinal fecal microbiome and metabolite data demonstrate rapid shifts and subsequent stabilization after an abrupt dietary change in healthy adult dogs. <i>Animal Microbiome</i> , 2022, 4, .	1.5	17
3087	Digestive Tract Morphology and Gut Microbiota Jointly Determine an Efficient Digestive Strategy in Subterranean Rodents: Plateau Zokor. <i>Animals</i> , 2022, 12, 2155.	1.0	0
3088	Association of food insecurity on gut microbiome and metabolome profiles in a diverse college-based sample. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
3089	Gut microbiota and meat quality. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
3090	The bacteria inside human cancer cells: Mainly as cancer promoters. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3
3091	Gut microbiota: A new therapeutic target for diabetic cardiomyopathy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
3092	Gut microbiota and COVID-19: An intriguing pediatric perspective. <i>World Journal of Clinical Cases</i> , 2022, 10, 8076-8087.	0.3	0
3093	Characteristics of oral microbiota in plateau and plain youth—positive correlations between blood lipid level, metabolism and specific microflora in the plateau group. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	1
3094	Microbiota Sampling Capsule: Design, Prototyping and Assessment of a Sealing Solution Based on a Bistable Mechanism. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2022, 16, .	0.4	1
3095	Targeting microbiota-host interactions with resveratrol on cancer: Effects and potential mechanisms of action. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 311-333.	5.4	1
3096	Yak rumen microbiome elevates fiber degradation ability and alters rumen fermentation pattern to increase feed efficiency. <i>Animal Nutrition</i> , 2022, 11, 201-214.	2.1	16
3097	Colonization dynamics of the gut flora in western honey bee workers within 7-day post-emergence. <i>Apidologie</i> , 2022, 53, .	0.9	1
3098	Mulberry Leaf Extract Improves Metabolic Syndrome by Alleviating Lipid Accumulation In Vitro and In Vivo. <i>Molecules</i> , 2022, 27, 5111.	1.7	7
3099	Dynamic change of fungal community in the gastrointestinal tract of growing lambs ¹ . <i>Journal of Integrative Agriculture</i> , 2022, , .	1.7	3
3100	Gut Microbiota Modulation as a Novel Therapeutic Strategy in Cardiometabolic Diseases. <i>Foods</i> , 2022, 11, 2575.	1.9	14
3101	Gut microbiota: A new target for T2DM prevention and treatment. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	29
3102	Analyzing the Complicated Connection Between Intestinal Microbiota and Cardiovascular Diseases. <i>Cureus</i> , 2022, , .	0.2	3
3103	Low-dose IL-2 shapes a tolerogenic gut microbiota that improves autoimmunity and gut inflammation. <i>JCI Insight</i> , 2022, 7, .	2.3	8

#	ARTICLE	IF	CITATIONS
3104	Characteristics of the Gut Bacterial Composition in People of Different Nationalities and Religions. <i>Microorganisms</i> , 2022, 10, 1866.	1.6	15
3105	Egg Protein Transferrin-Derived Peptides Irw (Lle-Arg-Trp) and Iqw (Lle-Gln-Trp) Prevent Obesity Mouse Model Induced by a High-Fat Diet via Reducing Lipid Deposition and Reprogramming Gut Microbiota. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11227.	1.8	4
3106	Host-mycobiome metabolic interactions in health and disease. <i>Gut Microbes</i> , 2022, 14, .	4.3	11
3108	Cyanidin-3-O-glucoside impacts fecal discharge of polystyrene microplastics in mice: Potential role of microbiota-derived metabolites. <i>Toxicology and Applied Pharmacology</i> , 2022, 453, 116212.	1.3	5
3109	Modulatory role of gut microbiota in cholesterol and glucose metabolism: Potential implications for atherosclerotic cardiovascular disease. <i>Atherosclerosis</i> , 2022, 359, 1-12.	0.4	8
3110	Association of abnormal bowel health with major chronic diseases and risk of mortality. <i>Annals of Epidemiology</i> , 2022, 75, 39-46.	0.9	7
3111	The pathophysiology of major depressive disorder through the lens of systems biology: Network analysis of the psycho-immune-neuroendocrine physiome. <i>Journal of Neuroimmunology</i> , 2022, 372, 577959.	1.1	5
3112	Blood VOC Biomarkers. , 2022, , 39-60.		0
3113	Graphene-based nanomaterials and microbial communities: a review of their interactions, from ecotoxicology to bioprocess engineering perspectives. <i>Environmental Science: Nano</i> , 2022, 9, 3725-3741.	2.2	3
3114	The Interaction of Gut Microbiota with Immune System and Their Effects on Immune Cell Development and Function. , 2022, , 21-32.		0
3115	Modulation of human microbiome and drug metabolism. , 2022, , 375-397.		0
3116	Hypoglycemic effect of the polysaccharides from <i>Astragalus membranaceus</i> on type 2 diabetic mice based on the "gut microbiota" mucosal barrier. <i>Food and Function</i> , 2022, 13, 10121-10133.	2.1	16
3117	The Intestine Microbiota Community and Enzyme Activity in <i>Trachinotus ovatus</i> After Short-Time Antibiotic Bath Administration. , 2022, , 195-207.		2
3118	Microflora impacts immune system and its antitumor function. , 2022, , 177-205.		0
3119	Management of obesity and related inflammatory disorders. , 2023, , 233-262.		1
3120	Polyphenols "Gut" Heart: An Impactful Relationship to Improve Cardiovascular Diseases. <i>Antioxidants</i> , 2022, 11, 1700.	2.2	6
3121	Intestinal microbiota regulates diabetes and cancer progression by IL-1 ^{Î²} and NOX4 dependent signaling cascades. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	3
3122	Composition and diverse differences of intestinal microbiota in ulcerative colitis patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	28

#	ARTICLE	IF	CITATIONS
3123	Strain-level profiling with picodroplet microfluidic cultivation reveals host-specific adaption of honeybee gut symbionts. <i>Microbiome</i> , 2022, 10, .	4.9	6
3124	Waterborne sub-lethal exposure to perfluorobutanesulfonate causes intestinal dysbiosis in tadpoles of <i>Lithobates catesbeianus</i> . , 2022, 1, 100075.		0
3125	Microbiome the Power House of Health and Disease. , 0, , .		0
3126	Multi-kingdom microbiota and functions changes associated with culture mode in genetically improved farmed tilapia (<i>Oreochromis niloticus</i>). <i>Frontiers in Physiology</i> , 0, 13, .	1.3	1
3127	The interactions between traditional Chinese medicine and gut microbiota: Global research status and trends. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	11
3128	Beneficial effects of fermented barley extracts on inflammatory status and gut microbiota in high-fat diet-induced obese rats. <i>Journal of Applied Microbiology</i> , 2022, 133, 3708-3718.	1.4	2
3129	The Crosstalk between Microbiome and Immunotherapeutics: Myth or Reality. <i>Cancers</i> , 2022, 14, 4641.	1.7	1
3130	Potential roles of gut microbes in biotransformation of natural products: An overview. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
3131	The Intake of Antioxidant Capacity of Children Depends on Their Health Status. <i>Nutrients</i> , 2022, 14, 3965.	1.7	1
3133	Effect of sex on the gut microbiota characteristics of passerine migratory birds. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
3134	The Fibrinolytic System in Peripartum Depression. <i>Seminars in Thrombosis and Hemostasis</i> , 0, , .	1.5	1
3135	Gut microbiota of hepatitis B virus-infected patients in the immune-tolerant and immune-active phases and their implications in metabolite changes. <i>World Journal of Gastroenterology</i> , 2022, 28, 5188-5202.	1.4	7
3136	Global research trends on the links between the gut microbiota and diabetes between 2001 and 2021: A bibliometrics and visualized study. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
3137	Pesticide thiram exposure alters the gut microbial diversity of chickens. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
3138	Communication in non-communicable diseases (NCDs) and role of immunomodulatory nutraceuticals in their management. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	0
3139	Commensal Fungus <i>Candida albicans</i> Maintains a Long-Term Mutualistic Relationship with the Host To Modulate Gut Microbiota and Metabolism. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	11
3140	Effects of <i>Auricularia auricula</i> Polysaccharides on Gut Microbiota and Metabolic Phenotype in Mice. <i>Foods</i> , 2022, 11, 2700.	1.9	10
3141	Replacing saturated fatty acids with polyunsaturated fatty acids increases the abundance of Lachnospiraceae and is associated with reduced total cholesterol levels—a randomized controlled trial in healthy individuals. <i>Lipids in Health and Disease</i> , 2022, 21, .	1.2	11

#	ARTICLE	IF	CITATIONS
3142	Effect of the ratio of dietary metabolizable energy to nitrogen content on production performance, serum metabolites, rumen fermentation parameters, and bacterial diversity in yaks. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
3143	Hidden interactions in the intertidal rocky shore: variation in pedal mucus microbiota among marine grazers that feed on epilithic biofilm communities. <i>PeerJ</i> , 0, 10, e13642.	0.9	4
3145	Metabolome, microbiome, and gene expression alterations in the colon of newborn piglets with intrauterine growth restriction. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3146	Crosstalk between traditional Chinese medicine-derived polysaccharides and the gut microbiota: A new perspective to understand traditional Chinese medicine. <i>Phytotherapy Research</i> , 2022, 36, 4125-4138.	2.8	6
3147	Preventive effects of the <i>Rehmannia glutinosa</i> Libosch and <i>Cornus officinalis</i> Sieb herb couple on chronic kidney disease rats via modulating the intestinal microbiota and enhancing the intestinal barrier. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
3148	The diversity analysis and gene function prediction of intestinal bacteria in three equine species. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
3149	Supplementing the early diet of broilers with soy protein concentrate can improve intestinal development and enhance short-chain fatty acid-producing microbes and short-chain fatty acids, especially butyric acid. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	24
3150	Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	6
3151	The nutritional quality of animal-alternative processed foods based on plant or microbial proteins and the role of the food matrix. <i>Trends in Food Science and Technology</i> , 2022, 129, 144-154.	7.8	18
3152	Gut bacteria comparison between wild and captive neotropical otters. <i>Universitas Scientiarum</i> , 2020, 25, 359-384.	0.2	1
3153	<i>Sanghuangporus vaninii</i> mixture ameliorated type 2 diabetes mellitus and altered intestinal microbiota in mice. <i>Food and Function</i> , 2022, 13, 11758-11769.	2.1	10
3154	Pathophysiology of polycystic ovary syndrome revisited: Current understanding and perspectives regarding future research. <i>Reproductive Medicine and Biology</i> , 2022, 21, .	1.0	16
3155	Action mechanism of hypoglycemic principle 9-(R)-HODE isolated from cortex lycii based on a metabolomics approach. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
3156	The Effect of Indole-3-Lactic Acid from <i>Lactiplantibacillus plantarum</i> ZJ316 on Human Intestinal Microbiota In Vitro. <i>Foods</i> , 2022, 11, 3302.	1.9	6
3157	Gut Microbiome Changes in Gestational Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12839.	1.8	10
3158	Physiological mechanisms of TLR4 in glucolipid metabolism regulation: Potential use in metabolic syndrome prevention. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2023, 33, 38-46.	1.1	2
3159	<i>Asparagus cochinchinensis</i> alleviates disturbances of lipid metabolism and gut microbiota in high-fat diet-induced obesity mice. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
3160	Gut Microbiota and Their Associated Metabolites in Diabetes: A Cross Talk Between Host and Microbes—A Review. <i>Metabolic Syndrome and Related Disorders</i> , 2023, 21, 3-15.	0.5	3

#	ARTICLE	IF	CITATIONS
3161	Microbiome-Metabolome Analysis of the Immune Microenvironment of the Cecal Contents, Soft Feces, and Hard Feces of Hyplus Rabbits. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	1.9	4
3162	A new method for mining information of gut microbiome with probabilistic topic models. <i>Multimedia Tools and Applications</i> , 2023, 82, 16081-16104.	2.6	0
3163	Effects of Lycium barbarum Polysaccharides on Immunity and Metabolic Syndrome Associated with the Modulation of Gut Microbiota: A Review. <i>Foods</i> , 2022, 11, 3177.	1.9	9
3164	The Role of the Microbiota Gut-Liver Axis during HCV Chronic Infection: A Schematic Overview. <i>Journal of Clinical Medicine</i> , 2022, 11, 5936.	1.0	6
3165	Wholegrain fermentation affects gut microbiota composition, phenolic acid metabolism and pancreatic beta cell function in a rodent model of type 2 diabetes. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	6
3166	Partial Replacement of Oat Hay with Whole-Plant Hydroponic Barley Seedlings Modulates Ruminant Microbiota and Affects Growth Performance of Holstein Heifers. <i>Microorganisms</i> , 2022, 10, 2000.	1.6	2
3167	Transcriptomic Interaction between Young Fecal Transplantation and Perfluorobutanesulfonate in Aged Zebrafish Gonads. <i>Toxics</i> , 2022, 10, 631.	1.6	0
3168	A bibliometric study of global trends in diabetes and gut flora research from 2011 to 2021. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	8
3169	Effect of Lactobacillus casei fermented milk on fracture healing in osteoporotic mice. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	1
3170	Selenium-Enriched and Ordinary Black Teas Regulate the Metabolism of Glucose and Lipid and Intestinal Flora of Hyperglycemic Mice. <i>Plant Foods for Human Nutrition</i> , 2023, 78, 61-67.	1.4	4
3171	Precocious Puberty and microbiota: The role of the sex hormone-gut microbiome axis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	8
3172	Preventive Effects of Different Black and Dark Teas on Obesity and Non-Alcoholic Fatty Liver Disease and Modulate Gut Microbiota in High-Fat Diet Fed Mice. <i>Foods</i> , 2022, 11, 3457.	1.9	6
3173	Amoxicillin modulates gut microbiota to improve short-term high-fat diet induced pathophysiology in mice. <i>Gut Pathogens</i> , 2022, 14, .	1.6	2
3174	Probiotic Use in Preterm Neonates: A Review and Bibliometric Analysis. <i>Acta Medica Bulgarica</i> , 2022, 49, 58-67.	0.0	0
3175	Natural Compounds and Products from an Anti-Aging Perspective. <i>Molecules</i> , 2022, 27, 7084.	1.7	39
3176	Depression and fatigue in active IBD from a microbiome perspective—a Bayesian approach to faecal metagenomics. <i>BMC Medicine</i> , 2022, 20, .	2.3	12
3177	Co-fermented yellow wine lees by Bacillus subtilis and Enterococcus faecium regulates growth performance and gut microbiota in finishing pigs. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
3178	Ethanol Extract of Licorice Alleviates HFD-Induced Liver Fat Accumulation in Association with Modulation of Gut Microbiota and Intestinal Metabolites in Obesity Mice. <i>Nutrients</i> , 2022, 14, 4180.	1.7	8

#	ARTICLE	IF	CITATIONS
3179	Mulberry leaf extract improves intestinal barrier function and displays beneficial effects on colonic microbiota and microbial metabolism in weaned piglets. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 1561-1568.	1.7	2
3180	A Comprehensive Review of Thyroid Hormone Metabolism in the Gut and Its Clinical Implications. <i>Thyroid</i> , 2023, 33, 32-44.	2.4	15
3181	Intrauterine growth retardation affects liver bile acid metabolism in growing pigs: effects associated with the changes of colonic bile acid derivatives. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	3
3182	The Effect of Gut Microbiota and Probiotics on Metabolism in Fish and Shrimp. <i>Animals</i> , 2022, 12, 3016.	1.0	21
3183	Low methyl-esterified pectin induces abnormal hepatic lipid deposition in largemouth bass, <i>Micropterus salmoides</i> . <i>Aquaculture</i> , 2023, 563, 738958.	1.7	2
3184	Effects of hyperosmotic stress on the intestinal microbiota, transcriptome, and immune function of mandarin fish (<i>Siniperca chuatsi</i>). <i>Aquaculture</i> , 2023, 563, 738901.	1.7	6
3186	The Role of the Gut Microbiome and its Derived Mediators in Nonalcoholic Fatty Liver Disease. <i>European Medical Journal (Chelmsford, England)</i> , 0, , .	3.0	0
3187	Asthma Phenotypes and the Microbiome. <i>European Medical Journal Allergy & Immunology</i> , 0, , 82-90.	0.0	2
3189	Response of Intestinal Microbiota to the Variation in Diets in Grass Carp (<i>Ctenopharyngodon idella</i>). <i>Metabolites</i> , 2022, 12, 1115.	1.3	6
3190	Host diet shapes functionally differentiated gut microbiomes in sympatric speciation of blind mole rats in Upper Galilee, Israel. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3191	Buyang Huanwu decoction affects gut microbiota and lipid metabolism in a ZDF rat model of co-morbid type 2 diabetes mellitus and obesity: An integrated metabolomics analysis. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	12
3192	Unraveling the effects of sulfamethoxazole on the composition of gut microbiota and immune responses in <i>Stichopus variegatus</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
3193	Dynamic alterations in yak (<i>Bos grunniens</i>) rumen microbiome in response to seasonal variations in diet. <i>Physiological Genomics</i> , 2022, 54, 514-525.	1.0	4
3194	Developmental stage variation in the gut microbiome of South China tigers. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
3195	Fucoidan Ameliorated Dextran Sulfate Sodium-Induced Ulcerative Colitis by Modulating Gut Microbiota and Bile Acid Metabolism. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 14864-14876.	2.4	36
3196	Enhancing nutritional niche and host defenses by modifying the gut microbiome. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	6
3197	Protease or <i>Clostridium butyricum</i> addition to a low-protein diet improves broiler growth performance. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 7917-7931.	1.7	10
3198	Hemodynamic response to intestinal pH stimulation measured with spectroscopic video imaging. <i>Biomedical Physics and Engineering Express</i> , 0, , .	0.6	0

#	ARTICLE	IF	CITATIONS
3199	Curcumin improves insulin sensitivity in high-fat diet-fed mice through gut microbiota. <i>Nutrition and Metabolism</i> , 2022, 19, .	1.3	7
3200	Polysaccharides influence human health via microbiota-dependent and -independent pathways. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	11
3201	Genetically determined gut microbial abundance and 2-year changes in central adiposity and body composition: The POUNDS lost trial. <i>Clinical Nutrition</i> , 2022, 41, 2817-2824.	2.3	1
3202	In vitro fermentation of fructooligosaccharide and galactooligosaccharide and their effects on gut microbiota and SCFAs in infants. <i>Journal of Functional Foods</i> , 2022, 99, 105329.	1.6	6
3203	Physiological response of the razor clam <i>Sinonovacula constricta</i> exposed to hyposalinity stress. <i>Aquaculture and Fisheries</i> , 2022, , .	1.2	1
3204	Use of antibiotics and risk of type 2 diabetes, overweight and obesity: the Cardiovascular Risk in Young Finns Study and the national FINRISK study. <i>BMC Endocrine Disorders</i> , 2022, 22, .	0.9	2
3205	The relationship between short chain fatty acid and insulin resistance. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
3206	Intestinal gas production by the gut microbiota: A review. <i>Journal of Functional Foods</i> , 2023, 100, 105367.	1.6	15
3207	Gougunao tea polysaccharides ameliorate high-fat diet-induced hyperlipidemia and modulate gut microbiota. <i>Food and Function</i> , 2023, 14, 703-719.	2.1	4
3208	Effect of substituting steam-flaked corn for course ground corn on in vitro digestibility, average daily gain, serum metabolites and ruminal volatile fatty acids, and bacteria diversity in growing yaks. <i>Animal Feed Science and Technology</i> , 2023, 296, 115553.	1.1	2
3209	Living probiotic biomaterials for osteoporosis therapy. , 2023, 1, 52-64.		7
3210	Ginsenoside Rb1 protects against diabetes-associated metabolic disorders in Kkay mice by reshaping gut microbiota and fecal metabolic profiles. <i>Journal of Ethnopharmacology</i> , 2023, 303, 115997.	2.0	16
3211	Emerging evidence on the effects of plant-derived microRNAs in colorectal cancer: a review. <i>Food and Function</i> , 2023, 14, 691-702.	2.1	3
3212	Dietary Fat and Cholesterol Interactively Alter Serum Lipids and Gut Microbiota in Wistar Rats. <i>The Indian Journal of Nutrition and Dietetics</i> , 0, , 387-407.	0.1	0
3213	Hydrogen improves exercise endurance in rats by promoting mitochondrial biogenesis. <i>Genomics</i> , 2022, 114, 110523.	1.3	2
3214	Intratatumoral microbiome and gastrointestinal cancers. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1
3215	The effect of tuina on ulcerative colitis model mice analyzed by gut microbiota and proteomics. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3216	Type 2 Diabetes and the Microbiome. <i>Journal of the Endocrine Society</i> , 2022, 7, .	0.1	3

#	ARTICLE	IF	CITATIONS
3217	Beneficial role of gut microbes in maintenance of pace-of-life traits in <i>Phrynocephalus vlangalii</i> . , 0, 1, .		0
3218	Milk Fermented with <i>Pediococcus acidilactici</i> Strain BE Improves High Blood Glucose Levels and Pancreatic Beta-Cell Function in Diabetic Rats. <i>Food Science of Animal Resources</i> , 2023, 43, 170-183.	1.7	2
3219	Effects of Dietary Quinoa Seeds on Cecal Microorganisms and Muscle Fatty Acids of Female Luhua Chickens. <i>Animals</i> , 2022, 12, 3334.	1.0	1
3221	Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens. <i>Animals</i> , 2022, 12, 3215.	1.0	4
3222	Maintenance of gut microbiome stability for optimum intestinal health in pigs â€“ a review. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	6
3223	Potential implications of oxidative modification on dietary protein nutritional value: A review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2023, 22, 714-751.	5.9	5
3224	Hypoglycemic Effects and Mechanisms of Buckwheatâ€“Oatâ€“Pea Composite Flour in Diabetic Rats. <i>Foods</i> , 2022, 11, 3938.	1.9	1
3225	Effects of rearing system and antibiotic treatment on immune function, gut microbiota and metabolites of broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	4
3227	The Role of Gut Dysbiosis in the Pathophysiology of Neuropsychiatric Disorders. <i>Cells</i> , 2023, 12, 54.	1.8	25
3228	New Insights into the Relationship between Gut Microbiota and Radiotherapy for Cancer. <i>Nutrients</i> , 2023, 15, 48.	1.7	5
3229	Primary exploration of hostâ€“microorganism interaction and enteritis treatment with an embedded membrane microfluidic chip of the human intestinalâ€“vascular microsystem. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	5
3230	Bile acids and microbes in metabolic disease. <i>World Journal of Gastroenterology</i> , 0, 28, 6846-6866.	1.4	3
3231	Experimental inheritance of antibiotic acquired dysbiosis affects host phenotypes across generations. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3233	Upper gut heat shock proteins HSP70 and GRP78 promote insulin resistance, hyperglycemia, and non-alcoholic steatohepatitis. <i>Nature Communications</i> , 2022, 13, .	5.8	8
3235	Extracellular vesicles derived from host and gut microbiota as promising nanocarriers for targeted therapy in osteoporosis and osteoarthritis. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
3236	Stable colonization of <i>Akkermansia muciniphila</i> educates host intestinal microecology and immunity to battle against inflammatory intestinal diseases. <i>Experimental and Molecular Medicine</i> , 2023, 55, 55-68.	3.2	9
3237	Nanoplastics affect the growth of sea urchins (<i>Strongylocentrotus intermedius</i>) and damage gut health. <i>Science of the Total Environment</i> , 2023, 869, 161576.	3.9	4
3238	In Vitro Fermentation of <i>Pleurotus eryngii</i> Mushrooms by Human Fecal Microbiota: Metataxonomic Analysis and Metabolomic Profiling of Fermentation Products. <i>Journal of Fungi (Basel, Switzerland)</i> , 2023, 9, 128.	1.5	2

#	ARTICLE	IF	CITATIONS
3239	Metabolically-targeted dCas9 expression in bacteria. <i>Nucleic Acids Research</i> , 2023, 51, 982-996.	6.5	3
3240	Human Gut Microbiota Plasticity throughout the Life Course. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 1463.	1.2	11
3241	A bibliometric analysis of studies on the gut microbiota in cardiovascular disease from 2004 to 2022. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	2
3242	Capsaicin ameliorates diet-induced disturbances of glucose homeostasis and gut microbiota in mice associated with the circadian clock. <i>Food and Function</i> , 2023, 14, 1662-1673.	2.1	1
3243	Starvation alters gut microbiome and mitigates off-flavors in largemouth bass (<i>Micropterus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582 T	1.1	1
3244	Metagenomic insights into the relationship between gut microbiota and residual feed intake of small-sized meat ducks. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
3245	Advantageous tactics with certain probiotics for the treatment of graft-versus-host-disease after hematopoietic stem cell transplantation. <i>World Journal of Hematology</i> , 0, 10, 15-24.	0.1	0
3246	Bariatric Surgery as Treatment Strategy of Obesity in Saudi People: Effects of Gut Microbiota. <i>Nutrients</i> , 2023, 15, 361.	1.7	2
3247	Microbiota and Liver Cancer. , 2023, , 67-90.		1
3248	Role of herbal medicine and gut microbiota in the prevention and treatment of obesity. <i>Journal of Ethnopharmacology</i> , 2023, 305, 116127.	2.0	9
3249	In vitro digestion and fermentation combined with microbiomics and metabolomics reveal the mechanism of superfine yak bone powder regulating lipid metabolism by altering human gut microbiota. <i>Food Chemistry</i> , 2023, 410, 135441.	4.2	6
3250	Clinical potential and mechanistic insights of mulberry (<i>Morus alba</i> L.) leaves in managing type 2 diabetes mellitus: Focusing on gut microbiota, inflammation, and metabolism. <i>Journal of Ethnopharmacology</i> , 2023, 306, 116143.	2.0	12
3251	<i>Bacillus licheniformis</i> FA6 Affects Zebrafish Lipid Metabolism through Promoting Acetyl-CoA Synthesis and Inhibiting β^2 -Oxidation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 673.	1.8	3
3252	The Relationship Between Diet, Gut Microbiota, and Serum Metabolome of South Asian Infants at 1 Year. <i>Journal of Nutrition</i> , 2023, 153, 470-482.	1.3	0
3253	Health Effects: But is Olive Oil <i>Good</i> for You?. , 2017, , 231-277.		0
3254	Impacts of Plant-derived Secondary Metabolites for Improving Flora in Type 2 Diabetes. <i>Current Diabetes Reviews</i> , 2023, 19, .	0.6	0
3255	Microbiota Effect on Trimethylamine N-Oxide Production: From Cancer to Fitnessâ€™A Practical Preventing Recommendation and Therapies. <i>Nutrients</i> , 2023, 15, 563.	1.7	5
3256	<i>Onchidium struma</i> polysaccharides exhibit hypoglycemic activity and modulate the gut microbiota in mice with type 2 diabetes mellitus. <i>Food and Function</i> , 2023, 14, 1937-1951.	2.1	1

#	ARTICLE	IF	CITATIONS
3257	Dietary supplementation of β -1, 3-glucan improves the intestinal health of white shrimp (<i>Litopenaeus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T Immunology, 0, 14, .	2.2	0
3258	Big Data in Gastroenterology Research. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2458.	1.8	6
3259	Comparison of the Microbiome-Metabolome Response to Copper Sulfate and Copper Glycinate in Growing Pigs. <i>Animals</i> , 2023, 13, 345.	1.0	2
3260	Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites. <i>Metabolites</i> , 2023, 13, 207.	1.3	2
3261	Both live and heat-killed <i>Bifidobacterium animalis</i> J-12 alleviated oral ulcers in LVG golden Syrian hamsters by gavage by directly intervening in the intestinal flora structure. <i>Food and Function</i> , 2023, 14, 2045-2058.	2.1	1
3262	Plant polysaccharides for colon-targeted drug delivery. , 2023, , 329-368.		0
3263	Microbial symbionts in polar animals. , 2023, , 573-583.		0
3264	The microbiome stabilizes circadian rhythms in the gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	14
3265	Gamma aminobutyric acid production by commercially available probiotic strains. <i>Journal of Applied Microbiology</i> , 2023, 134, .	1.4	5
3266	Gut microbiota: a non-target victim of pesticide-induced toxicity. <i>Gut Microbes</i> , 2023, 15, .	4.3	8
3267	Dietary nucleotides influences intestinal barrier function, immune responses and microbiota in 3-day-old weaned piglets. <i>International Immunopharmacology</i> , 2023, 117, 109888.	1.7	2
3268	Insights into the Gut Microbiota of the Freshwater Crab <i>Sinopotamon planum</i> across Three Seasons and Its Associations with the Surrounding Aquatic Microbiota. <i>Diversity</i> , 2023, 15, 519.	0.7	2
3269	Randomized controlled trials reporting the effects of probiotics in individuals with overweight and obesity: A critical review of the interventions and body adiposity parameters. <i>Clinical Nutrition</i> , 2023, 42, 835-847.	2.3	3
3270	Effects of 4-octyl itaconate and dimethyl fumarate on growth performance, intestinal microbiota, intestinal and hepatopancreas health of juvenile gibel carp (<i>Carassius gibelio</i>). <i>Aquaculture</i> , 2023, 569, 739376.	1.7	1
3271	Gut microbiota dysbiosis in AKI to CKD transition. <i>Biomedicine and Pharmacotherapy</i> , 2023, 161, 114447.	2.5	10
3272	Shotgun metagenomics reveals abnormal short-chain fatty acid-producing bacteria and glucose and lipid metabolism of the gut microbiota in patients with schizophrenia. <i>Schizophrenia Research</i> , 2023, 255, 59-66.	1.1	3
3273	Novel ketamine and zinc treatment for anorexia nervosa and the potential beneficial interactions with the gut microbiome. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 148, 105122.	2.9	1
3274	Triploidization modulates intestinal microbiota and promotes growth in <i>Carassius auratus</i> . <i>Aquaculture</i> , 2023, 571, 739480.	1.7	0

#	ARTICLE	IF	CITATIONS
3275	The protective effects of <i>Levilactobacillus brevis</i> FZU0713 on lipid metabolism and intestinal microbiota in hyperlipidemic rats. <i>Food Science and Human Wellness</i> , 2023, 12, 1646-1659.	2.2	6
3276	Dietary micro-fibrillated cellulose improves growth, reduces diarrhea, modulates gut microbiota, and increases butyrate production in post-weaning piglets. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
3277	A glance at the gut microbiota and the functional roles of the microbes based on marmot fecal samples. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	2
3278	Bacterial community mapping of the AIA mouse gastrointestinal tract under dietary intervention with skipjack tuna (<i>Katsuwonus pelamis</i>) elastin peptides. <i>Food Bioscience</i> , 2023, 53, 102661.	2.0	1
3279	Combined toxic effects of nanoplastics and norfloxacin on mussel: Leveraging biochemical parameters and gut microbiota. <i>Science of the Total Environment</i> , 2023, 880, 163304.	3.9	7
3282	Encapsulated Essential Oils Improve the Growth Performance of Meat Ducks by Enhancing Intestinal Morphology, Barrier Function, Antioxidant Capacity and the Cecal Microbiota. <i>Antioxidants</i> , 2023, 12, 253.	2.2	1
3283	Research progress regarding the effect and mechanism of dietary phenolic acids for improving nonalcoholic fatty liver disease via gut microbiota. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2023, 22, 1128-1147.	5.9	2
3284	Boosting soil literacy in schools can help improve understanding of soil/human health linkages in Generation Z. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
3285	Modulation of allergic contact dermatitis via gut microbiota modified by diet, vitamins, probiotics, prebiotics, and antibiotics. <i>Pharmacological Reports</i> , 2023, 75, 236-248.	1.5	3
3286	Effects of several flavonoids on human gut microbiota and its metabolism by in vitro simulated fermentation. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	10
3287	Berberine: Pharmacological Features in Health, Disease and Aging. <i>Current Medicinal Chemistry</i> , 2024, 31, 1214-1234.	1.2	2
3288	Genetic mapping of microbial and host traits reveals production of immunomodulatory lipids by <i>Akkermansia muciniphila</i> in the murine gut. <i>Nature Microbiology</i> , 2023, 8, 424-440.	5.9	12
3289	Propionylated high-amylose maize starch alleviates obesity by modulating gut microbiota in high-fat diet-fed mice. <i>Journal of Functional Foods</i> , 2023, 102, 105447.	1.6	2
3290	Virulence Factors of the Gut Microbiome Are Associated with BMI and Metabolic Blood Parameters in Children with Obesity. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	3
3291	Shifts in intestinal microbiota and improvement of sheep immune response to resist <i>Salmonella</i> infection using Toll-like receptor 4 (TLR4) overexpression. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	2
3292	Fecal microbiota transplantation attenuates <i>Escherichia coli</i> infected outgrowth by modulating the intestinal microbiome. <i>Microbial Cell Factories</i> , 2023, 22, .	1.9	4
3293	Effects of different starch diets on growth performance, intestinal health and faecal microbiota of growing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2023, 107, 1043-1053.	1.0	0
3294	Exercise-acclimated microbiota improves skeletal muscle metabolism via circulating bile acid deconjugation. <i>IScience</i> , 2023, 26, 106251.	1.9	4

#	ARTICLE	IF	CITATIONS
3295	Core-predominant gut fungus <i>Kazachstania slooffiae</i> promotes intestinal epithelial glycolysis via lysine desuccinylation in pigs. <i>Microbiome</i> , 2023, 11, .	4.9	9
3296	Gut microbiota facilitates adaptation of the plateau zokor (<i>Myospalax baileyi</i>) to the plateau living environment. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	0
3297	Constipation and cardiovascular disease: A two-sample Mendelian randomization analysis. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	7
3298	Novel Biomarkers for Diagnosis and Monitoring of Immune Thrombocytopenia. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4438.	1.8	6
3299	Gut-on-a-chip models for dissecting the gut microbiology and physiology. <i>APL Bioengineering</i> , 2023, 7, .	3.3	5
3300	Gut microbiota is a potential factor in shaping phenotypic variation in larvae and adults of female bumble bees. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	3
3301	Characteristics of fecal microbiota in different constipation subtypes and association with colon physiology, lifestyle factors, and psychological status. <i>Therapeutic Advances in Gastroenterology</i> , 2023, 16, 175628482311541.	1.4	3
3302	<i>Clostridium butyricum</i> Prevents Dysbiosis and the Rise in Blood Pressure in Spontaneously Hypertensive Rats. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4955.	1.8	7
3303	<i>Fusobacterium nucleatum</i> induces a tumor microenvironment with diminished adaptive immunity against colorectal cancers. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	5
3304	Altered gut microbiota and microbial metabolism in children with hepatic glycogen storage disease: a case-control study. <i>Translational Pediatrics</i> , 2023, .	0.5	0
3305	Zengshengping improves lung cancer by regulating the intestinal barrier and intestinal microbiota. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	1
3306	Effects of Resource Availability and Antibiotic Residues on Intestinal Antibiotic Resistance in <i>Bellamyia aeruginosa</i> . <i>Microorganisms</i> , 2023, 11, 765.	1.6	0
3307	The mediating role of gut microbiota in the associations of prenatal maternal combined exposure to lead and stress with neurodevelopmental deficits in young rats.. <i>Ecotoxicology and Environmental Safety</i> , 2023, 255, 114798.	2.9	7
3308	AI-Egen-Based Nanomaterials for Bacterial Imaging and Antimicrobial Applications: Recent Advances and Perspectives. <i>Molecules</i> , 2023, 28, 2863.	1.7	2
3309	Estradiol-mediated protection against high-fat diet induced anxiety and obesity is associated with changes in the gut microbiota in female mice. <i>Scientific Reports</i> , 2023, 13, .	1.6	7
3310	Sea cucumber sulfated polysaccharides and <i>Lactobacillus gasseri</i> synergistically ameliorate the overweight induced by altered gut microbiota in mice. <i>Food and Function</i> , 2023, 14, 4106-4116.	2.1	3
3311	Alleviation of Alcoholic Fatty Liver by <i>Dendrobium officinale</i> Flower Extracts due to Regulation of Gut Microbiota and Short-Chain Fatty Acids in Mice Exposed to Chronic Alcohol. <i>Foods</i> , 2023, 12, 1428.	1.9	5
3312	Interaction between β -glucans and gut microbiota: a comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-32.	5.4	4

#	ARTICLE	IF	CITATIONS
3313	Regulation of Gut Microbiota through Breast Milk Feeding Benefits Language and Cognitive Development of Preterm Toddlers. <i>Microorganisms</i> , 2023, 11, 866.	1.6	3
3314	The effects of a low carbohydrate diet combined with partial meal replacement on obese individuals. <i>Nutrition and Metabolism</i> , 2023, 20, .	1.3	2
3315	Effects of nonantibiotic growth promoter combinations on growth performance, nutrient utilization, digestive enzymes, intestinal morphology, and cecal microflora of broilers. <i>PLoS ONE</i> , 2023, 18, e0279950.	1.1	1
3316	Propolis polyphenols: A review on the composition and anti-obesity mechanism of different types of propolis polyphenols. <i>Frontiers in Nutrition</i> , 0, 10, .	1.6	4
3317	Vegetable oils and oilseeds. , 2023, , 215-237.		0
3318	Microbiome Contributions to Health. <i>Surgical Infections</i> , 2023, 24, 213-219.	0.7	3
3319	Assessment of cecal microbiota modulation from piglet dietary supplementation with copper. <i>BMC Microbiology</i> , 2023, 23, .	1.3	0
3320	Maternal low-calorie sweetener consumption rewires hypothalamic melanocortin circuits via a gut microbial co-metabolite pathway. <i>JCI Insight</i> , 2023, 8, .	2.3	6
3321	Mechanism determination on the interactive effects between host immunity and gut microbiome to resist consecutive hydrogen sulfide inhalation of laying hens. <i>Poultry Science</i> , 2023, 102, 102694.	1.5	2
3322	Potential roles of the rectum keystone microbiota in modulating the microbial community and growth performance in goat model. <i>Journal of Animal Science and Biotechnology</i> , 2023, 14, .	2.1	5
3323	Deciphering Gut Microbiome Responses upon Microplastic Exposure via Integrating Metagenomics and Activity-Based Metabolomics. <i>Metabolites</i> , 2023, 13, 530.	1.3	2
3324	Effects of 60 days of 6° head-down bed rest on the composition and function of the human gut microbiota. <i>IScience</i> , 2023, 26, 106615.	1.9	2
3325	Banxia Xiexin decoction alleviates AS co-depression disease by regulating the gut microbiome-lipid metabolic axis. <i>Journal of Ethnopharmacology</i> , 2023, 313, 116468.	2.0	4
3326	Association of lung-intestinal microecology and lung cancer therapy. <i>Chinese Medicine</i> , 2023, 18, .	1.6	5
3327	Assembling symbiotic bacterial species into live therapeutic consortia that reconstitute microbiome functions. <i>Cell Host and Microbe</i> , 2023, 31, 472-484.	5.1	12
3328	Recent Trends on Mitigative Effect of Probiotics on Oxidative-Stress-Induced Gut Dysfunction in Broilers under Necrotic Enteritis Challenge: A Review. <i>Antioxidants</i> , 2023, 12, 911.	2.2	7
3329	Commensal Microbiota Regulate Renal Gene Expression in a Sex-Specific Manner. <i>American Journal of Physiology - Renal Physiology</i> , 0, , .	1.3	1
3331	Sodium butyrate alleviates fructose-induced non-alcoholic fatty liver disease by remodeling gut microbiota to promote L-alanine butyric acid production. , 2024, 13, 961-971.		0

#	ARTICLE	IF	CITATIONS
3332	Interaction of Human Gut Microflora with Commonly Consumed Herbs and Spices: A Review. <i>Current Nutrition and Food Science</i> , 2024, 20, 317-330.	0.3	0
3333	Dietary Polyphenols, Microbiome, and Multiple Sclerosis: From Molecular Anti-Inflammatory and Neuroprotective Mechanisms to Clinical Evidence. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7247.	1.8	9
3334	Impact of Maternal Weight Gain on the Newborn Metabolome. <i>Metabolites</i> , 2023, 13, 561.	1.3	1
3336	Impact of the Synthetic Scaffold Strategy on the Metabolic Pathway Engineering. <i>Biotechnology and Bioprocess Engineering</i> , 2023, 28, 379-385.	1.4	4
3352	Probióticos, prebióticos: microbiota humana. , 2020, , 521-550.		0
3355	Circadian regulation of liver function: from molecular mechanisms to disease pathophysiology. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2023, 20, 695-707.	8.2	6
3369	The Potential Benefits of Aloe vera Products in Aquafeed: Current Knowledge and Prospects. , 2023, , 149-166.		0
3371	Probiotic-based Anticancer Immunity In Hepato-cellular Carcinoma (liver Cancer). , 2023, , 189-210.		0
3377	Potential Hypoglycemic Secondary Metabolites from <i>Argyrea nervosa</i> (Burm. f.) Bojer Influencing Human Gut Health. , 0, , .		0
3384	Probiotics as Potential Remedy for Restoration of Gut Microbiome and Mitigation of Polycystic Ovarian Syndrome. , 2023, , 1-33.		0
3401	Gut Microbiome and Brown Adipose Tissue. <i>Endocrinology</i> , 2023, , 1-20.	0.1	0
3406	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2023, , 1-12.		0
3417	Microbiota dysbiosis caused by dietetic patterns as a promoter of Alzheimer's disease through metabolic syndrome mechanisms. <i>Food and Function</i> , 2023, 14, 7317-7334.	2.1	1
3446	Human Gut Microbiome: Its Role in Health and Development. <i>Sustainable Development Goals Series</i> , 2023, , 107-115.	0.2	0
3459	Human Gut Microbiome Researches Over the Last Decade: Current Challenges and Future Directions. <i>Phenomics</i> , 0, , .	0.9	1
3470	Impact of Climate Change on the Gut Microbiome of Fish and Shellfish. , 2023, , 255-294.		0
3473	Enrichment of foods with prebiotics. , 2024, , 171-201.		0
3491	The influence of maternal diet on offspring's gut microbiota in early life. <i>Archives of Gynecology and Obstetrics</i> , 2024, 309, 1183-1190.	0.8	0

#	ARTICLE	IF	CITATIONS
3501	Antimicrobial Agents Induced Microbiome Dysbiosis Its Impact on Immune System and Metabolic Health. , 2023, , 81-95.		0
3502	Emerging Technologies to Investigate the Potential of Gut Microbiota in Human Health. , 2023, , 233-249.		0
3506	Microbiome and pregnancy: focus on microbial dysbiosis coupled with maternal obesity. International Journal of Obesity, 0, , .	1.6	0
3514	Germ-Free Animals. , 2024, , 401-454.		0
3515	Gut Microbiome and Polycystic Ovary Syndrome: Interplay of Associated Microbial-Metabolite Pathways and Therapeutic Strategies. Reproductive Sciences, 0, , .	1.1	0
3538	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2023, , 373-384.		0
3539	Gut Microbiome and Brown Adipose Tissue. Endocrinology, 2024, , 157-176.	0.1	0
3540	Multi-omics Insights Into Autoimmune Thrombocytopenic Purpura. , 2024, , .		0