

From Dietary Fiber to Host Physiology: Short-Chain Fat

Cell

165, 1332-1345

DOI: [10.1016/j.cell.2016.05.041](https://doi.org/10.1016/j.cell.2016.05.041)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Local Treatment with Lactate Prevents Intestinal Inflammation in the TNBS-Induced Colitis Model. <i>Frontiers in Immunology</i> , 2016, 7, 651.	2.2	63
2	Characterisation of Fecal Soap Fatty Acids, Calcium Contents, Bacterial Community and Short-Chain Fatty Acids in Sprague Dawley Rats Fed with Different sn-2 Palmitic Triacylglycerols Diets. <i>PLoS ONE</i> , 2016, 11, e0164894.	1.1	25
3	Microbial regulation of GLP-1 and L-cell biology. <i>Molecular Metabolism</i> , 2016, 5, 753-758.	3.0	95
4	Food Fight: Role of Itaconate and Other Metabolites in Antimicrobial Defense. <i>Cell Metabolism</i> , 2016, 24, 379-387.	7.2	96
5	A place for host-microbe symbiosis in the comparative physiologist's toolbox. <i>Journal of Experimental Biology</i> , 2016, 219, 3496-3504.	0.8	98
6	Alterations of the Host Microbiome Affect Behavioral Responses to Cocaine. <i>Scientific Reports</i> , 2016, 6, 35455.	1.6	208
7	Bacterial Signaling to the Nervous System through Toxins and Metabolites. <i>Journal of Molecular Biology</i> , 2017, 429, 587-605.	2.0	118
8	Role of intestinal microbiota and metabolites on gut homeostasis and human diseases. <i>BMC Immunology</i> , 2017, 18, 2.	0.9	492
9	Hydroxy-Carboxylic Acid Receptor Actions in Metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 227-236.	3.1	116
10	Personalized microbiome-based approaches to metabolic syndrome management and prevention. <i>Journal of Diabetes</i> , 2017, 9, 226-236.	0.8	39
11	<i>Clostridium butyricum</i> B1 alleviates high-fat diet-induced steatohepatitis in mice via enterohepatic immunoregulation. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017, 32, 1640-1648.	1.4	39
12	Effects of environmental pollutants on gut microbiota. <i>Environmental Pollution</i> , 2017, 222, 1-9.	3.7	477
13	Neogargarotetraose protects mice against intense exercise-induced fatigue damage by modulating gut microbial composition and function. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600585.	1.5	63
14	Interactions between the microbiota, immune and nervous systems in health and disease. <i>Nature Neuroscience</i> , 2017, 20, 145-155.	7.1	1,266
15	HADHA, the alpha subunit of the mitochondrial trifunctional protein, is involved in long-chain fatty acid-induced autophagy in intestinal epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 636-641.	1.0	14
16	Dietary fiber and prebiotics and the gastrointestinal microbiota. <i>Gut Microbes</i> , 2017, 8, 172-184.	4.3	1,027
17	<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
18	Glycomacropeptide Sustains Microbiota Diversity and Promotes Specific Taxa in an Artificial Colon Model of Elderly Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1836-1846.	2.4	35

#	ARTICLE	IF	CITATIONS
19	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. <i>Cell Reports</i> , 2017, 18, 1739-1750.	2.9	143
20	The impact of dietary sn-2 palmitic triacylglycerols in combination with docosahexaenoic acid or arachidonic acid on lipid metabolism and host faecal microbiota composition in Sprague Dawley rats. <i>Food and Function</i> , 2017, 8, 1793-1802.	2.1	25
21	High-fat feeding rather than obesity drives taxonomical and functional changes in the gut microbiota in mice. <i>Microbiome</i> , 2017, 5, 43.	4.9	132
22	Role of short-chain fatty acids in colonic inflammation, carcinogenesis, and mucosal protection and healing. <i>Nutrition Reviews</i> , 2017, 75, 286-305.	2.6	245
23	Diet-derived changes by sourdough-fermented rye bread in exhaled breath aspiration ion mobility spectrometry profiles in individuals with mild gastrointestinal symptoms. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 987-996.	1.3	11
24	Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation. <i>Food and Function</i> , 2017, 8, 1966-1978.	2.1	127
25	Moisture content during extrusion of oats impacts the initial fermentation metabolites and probiotic bacteria during extended fermentation by human fecal microbiota. <i>Food Research International</i> , 2017, 97, 209-214.	2.9	10
26	Grape seed proanthocyanidin extract ameliorates inflammation and adiposity by modulating gut microbiota in high-fat diet mice. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1601082.	1.5	110
27	Understanding the Holobiont: How Microbial Metabolites Affect Human Health and Shape the Immune System. <i>Cell Metabolism</i> , 2017, 26, 110-130.	7.2	572
28	Butyric acid regulates progesterone and estradiol secretion via cAMP signaling pathway in porcine granulosa cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 172, 89-97.	1.2	36
29	Gut Microbiome and Bone: to Build, Destroy, or Both?. <i>Current Osteoporosis Reports</i> , 2017, 15, 376-384.	1.5	69
30	Disturbances of the Perioperative Microbiome Across Multiple Body Sites in Patients Undergoing Pancreaticoduodenectomy. <i>Pancreas</i> , 2017, 46, 260-267.	0.5	56
31	The multiple pathways to autoimmunity. <i>Nature Immunology</i> , 2017, 18, 716-724.	7.0	429
32	Enterochromaffin Cells Are Gut Chemosensors that Couple to Sensory Neural Pathways. <i>Cell</i> , 2017, 170, 185-198.e16.	13.5	568
33	Impact of mycotoxins on the intestine: are mucus and microbiota new targets?. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017, 20, 249-275.	2.9	141
34	Chemical transformation of xenobiotics by the human gut microbiota. <i>Science</i> , 2017, 356, .	6.0	657
35	Global metabolic interaction network of the human gut microbiota for context-specific community-scale analysis. <i>Nature Communications</i> , 2017, 8, 15393.	5.8	216
36	Fecal microbiota variation across the lifespan of the healthy laboratory rat. <i>Gut Microbes</i> , 2017, 8, 428-439.	4.3	93

#	ARTICLE	IF	CITATIONS
37	Metformin alters the gut microbiome of individuals with treatment-naive type 2 diabetes, contributing to the therapeutic effects of the drug. <i>Nature Medicine</i> , 2017, 23, 850-858.	15.2	1,165
38	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 491-502.	8.2	3,192
39	Factors Influencing the Gut Microbiota, Inflammation, and Type 2 Diabetes. <i>Journal of Nutrition</i> , 2017, 147, 1468S-1475S.	1.3	268
40	Temporal dynamics of the gut microbiota in people sharing a confined environment, a 520-day ground-based space simulation, MARS500. <i>Microbiome</i> , 2017, 5, 39.	4.9	89
41	The gut microbiota as a key regulator of visceral pain. <i>Pain</i> , 2017, 158, S19-S28.	2.0	63
42	Potential role of fecal microbiota from patients with slow transit constipation in the regulation of gastrointestinal motility. <i>Scientific Reports</i> , 2017, 7, 441.	1.6	161
43	The microbiome of professional athletes differs from that of more sedentary subjects in composition and particularly at the functional metabolic level. <i>Gut</i> , 2018, 67, gutjnl-2016-313627.	6.1	333
44	Metabolic regulation of gene expression through histone acylations. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 90-101.	16.1	713
45	Understanding the Molecular Mechanisms of the Interplay Between Herbal Medicines and Gut Microbiota. <i>Medicinal Research Reviews</i> , 2017, 37, 1140-1185.	5.0	241
46	Olfactory detection of a bacterial short-chain fatty acid acts as an orexigenic signal in <i>Drosophila melanogaster</i> larvae. <i>Scientific Reports</i> , 2017, 7, 14230.	1.6	16
47	Dietary intervention with green dwarf banana flour (<i>Musa sp. AAA</i>) modulates oxidative stress and colonic SCFAs production in the TNBS model of intestinal inflammation. <i>Journal of Functional Foods</i> , 2017, 38, 497-504.	1.6	23
48	Functional Classification of the Gut Microbiota: The Key to Cracking the Microbiota Composition Code. <i>BioEssays</i> , 2017, 39, 1700032.	1.2	31
49	The development of seaweed-derived bioactive compounds for use as prebiotics and nutraceuticals using enzyme technologies. <i>Trends in Food Science and Technology</i> , 2017, 70, 20-33.	7.8	99
50	Action and function of <i>Akkermansia muciniphila</i> in microbiome ecology, health and disease. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2017, 31, 637-642.	1.0	191
51	Epigenetic Regulation of Gene Expression Induced by Butyrate in Colorectal Cancer: Involvement of MicroRNA. <i>Genetics & Epigenetics</i> , 2017, 9, 1179237X1772990.	2.5	19
52	Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. <i>Immunological Reviews</i> , 2017, 279, 8-22.	2.8	101
53	Quantity and source of dietary protein influence metabolite production by gut microbiota and rectal mucosa gene expression: a randomized, parallel, double-blind trial in overweight humans. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1005-1019.	2.2	168
54	Soluble Dietary Fiber Reduces Trimethylamine Metabolism via Gut Microbiota and Co-regulates Host AMPK Pathways. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700473.	1.5	51

#	ARTICLE	IF	CITATIONS
55	Investigation into the stability and culturability of Chinese enterotypes. <i>Scientific Reports</i> , 2017, 7, 7947.	1.6	32
56	Development of a fast and cost-effective gas chromatography-mass spectrometry method for the quantification of short-chain and medium-chain fatty acids in human biofluids. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5555-5567.	1.9	61
57	Manipulation of Gut Microbiota Reveals Shifting Community Structure Shaped by Host Developmental Windows in Amphibian Larvae. <i>Integrative and Comparative Biology</i> , 2017, 57, 786-794.	0.9	34
58	The Gut Microbiota, Food Science, and Human Nutrition: A Timely Marriage. <i>Cell Host and Microbe</i> , 2017, 22, 134-141.	5.1	87
59	Food and microbiota in the FDA regulatory framework. <i>Science</i> , 2017, 357, 39-40.	6.0	28
60	Acetate. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 477-483.	1.3	56
61	Microbiota and Aging. A Review and Commentary. <i>Archives of Medical Research</i> , 2017, 48, 681-689.	1.5	76
62	Butyrate suppresses motility of colorectal cancer cells via deactivating Akt/ERK signaling in histone deacetylase dependent manner. <i>Journal of Pharmacological Sciences</i> , 2017, 135, 148-155.	1.1	75
63	Starch-based carbohydrates display the bifidogenic and butyrogenic properties in pH-controlled faecal fermentation. <i>International Journal of Food Science and Technology</i> , 2017, 52, 2647-2653.	1.3	25
64	Does Modification of the Large Intestinal Microbiome Contribute to the Anti-inflammatory Activity of Fermentable Fiber?. <i>Current Developments in Nutrition</i> , 2017, 2, cdn.117.001180.	0.1	6
65	Effects of dietary poly- β -hydroxybutyrate (PHB) on microbiota composition and the mTOR signaling pathway in the intestines of <i>litopenaeus vannamei</i> . <i>Journal of Microbiology</i> , 2017, 55, 946-954.	1.3	50
66	Analysis of the gut microbiome and plasma short-chain fatty acid profiles in a spontaneous mouse model of metabolic syndrome. <i>Scientific Reports</i> , 2017, 7, 15876.	1.6	86
67	Dietary changes in nutritional studies shape the structural and functional composition of the pigs' fecal microbiome from days to weeks. <i>Microbiome</i> , 2017, 5, 144.	4.9	66
68	Effects of Medium- and Long-Chain Triacylglycerols on Lipid Metabolism and Gut Microbiota Composition in C57BL/6J Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6599-6607.	2.4	66
69	The nutrition-gut microbiome-physiology axis and allergic diseases. <i>Immunological Reviews</i> , 2017, 278, 277-295.	2.8	223
70	Feeding the microbiota: transducer of nutrient signals for the host. <i>Gut</i> , 2017, 66, 1709-1717.	6.1	124
71	Formation of propionate and butyrate by the human colonic microbiota. <i>Environmental Microbiology</i> , 2017, 19, 29-41.	1.8	1,597
72	Siderophore-mediated iron acquisition and modulation of host-bacterial interactions. <i>Free Radical Biology and Medicine</i> , 2017, 105, 68-78.	1.3	110

#	ARTICLE	IF	CITATIONS
73	Effects of Prebiotics and Synbiotics on Functional Constipation. American Journal of the Medical Sciences, 2017, 353, 282-292.	0.4	48
74	Microbiota metabolite short chain fatty acids, GPCR, and inflammatory bowel diseases. Journal of Gastroenterology, 2017, 52, 1-8.	2.3	632
75	Natural products as mediators of disease. Natural Product Reports, 2017, 34, 194-219.	5.2	59
76	Microbiome, metabolites and host immunity. Current Opinion in Microbiology, 2017, 35, 8-15.	2.3	334
77	Role of the gut microbiota in host appetite control: bacterial growth to animal feeding behaviour. Nature Reviews Endocrinology, 2017, 13, 11-25.	4.3	273
78	Gut instincts: microbiota as a key regulator of brain development, ageing and neurodegeneration. Journal of Physiology, 2017, 595, 489-503.	1.3	520
79	Gut Microbiota in Obesity and Metabolic Abnormalities: A Matter of Composition or Functionality?. Archives of Medical Research, 2017, 48, 735-753.	1.5	59
80	Targeting the gut barrier for the treatment of alcoholic liver disease. Liver Research, 2017, 1, 197-207.	0.5	70
81	Gut Microbiota Brings a Novel Way to Illuminate Mechanisms of Natural Products in vivo. Chinese Herbal Medicines, 2017, 9, 301-306.	1.2	12
82	Functional heterogeneity of gut-resident regulatory T cells. Clinical and Translational Immunology, 2017, 6, e156.	1.7	58
83	The Microbiome in Primary Sclerosing Cholangitis: Current Evidence and Potential Concepts. Seminars in Liver Disease, 2017, 37, 314-331.	1.8	52
84	An extract from the Atlantic brown algae <i>Saccorhiza polyschides</i> counteracts diet-induced obesity in mice via a gut related multi-factorial mechanisms. Oncotarget, 2017, 8, 73501-73515.	0.8	20
85	Our gut bacteria may act as a foe of our brain. AME Medical Journal, 0, 2, 87-87.	0.4	0
86	Links between Dietary Protein Sources, the Gut Microbiota, and Obesity. Frontiers in Physiology, 2017, 8, 1047.	1.3	83
87	Gut microbiota–derived short-chain fatty acids and kidney diseases. Drug Design, Development and Therapy, 2017, Volume 11, 3531-3542.	2.0	108
88	Are the Gut Bacteria Telling Us to Eat or Not to Eat? Reviewing the Role of Gut Microbiota in the Etiology, Disease Progression and Treatment of Eating Disorders. Nutrients, 2017, 9, 602.	1.7	54
89	Alterations of the Gut Microbiome in Hypertension. Frontiers in Cellular and Infection Microbiology, 2017, 7, 381.	1.8	313
90	Dietary Corn Bran Fermented by <i>Bacillus subtilis</i> MA139 Decreased Gut Cellulolytic Bacteria and Microbiota Diversity in Finishing Pigs. Frontiers in Cellular and Infection Microbiology, 2017, 7, 526.	1.8	59

#	ARTICLE	IF	CITATIONS
91	The Impact of Western Diet and Nutrients on the Microbiota and Immune Response at Mucosal Interfaces. <i>Frontiers in Immunology</i> , 2017, 8, 838.	2.2	349
92	Fructose: A Dietary Sugar in Crosstalk with Microbiota Contributing to the Development and Progression of Non-Alcoholic Liver Disease. <i>Frontiers in Immunology</i> , 2017, 8, 1159.	2.2	132
93	The Immune System Bridges the Gut Microbiota with Systemic Energy Homeostasis: Focus on TLRs, Mucosal Barrier, and SCFAs. <i>Frontiers in Immunology</i> , 2017, 8, 1353.	2.2	134
94	Butyrate Conditions Human Dendritic Cells to Prime Type 1 Regulatory T Cells via both Histone Deacetylase Inhibition and G Protein-Coupled Receptor 109A Signaling. <i>Frontiers in Immunology</i> , 2017, 8, 1429.	2.2	120
95	Gut Microbiota Modulation and Its Relationship with Obesity Using Prebiotic Fibers and Probiotics: A Review. <i>Frontiers in Microbiology</i> , 2017, 8, 563.	1.5	262
96	Determination of Resistant Starch Assimilating Bacteria in Fecal Samples of Mice by In vitro RNA-Based Stable Isotope Probing. <i>Frontiers in Microbiology</i> , 2017, 8, 1331.	1.5	38
97	Gut Microbiota Analysis in Rats with Methamphetamine-Induced Conditioned Place Preference. <i>Frontiers in Microbiology</i> , 2017, 8, 1620.	1.5	83
98	Variation of Carbohydrate-Active Enzyme Patterns in the Gut Microbiota of Italian Healthy Subjects and Type 2 Diabetes Patients. <i>Frontiers in Microbiology</i> , 2017, 8, 2079.	1.5	20
99	Fecal Short-Chain Fatty Acid Variations by Breastfeeding Status in Infants at 4â€‰Months: Differences in Relative versus Absolute Concentrations. <i>Frontiers in Nutrition</i> , 2017, 4, 11.	1.6	121
100	Mediterranean Diet: Prevention of Colorectal Cancer. <i>Frontiers in Nutrition</i> , 2017, 4, 59.	1.6	64
101	A Fermented Whole Grain Prevents Lipopolysaccharides-Induced Dysfunction in Human Endothelial Progenitor Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	1.9	29
102	Multidomain analyses of a longitudinal human microbiome intestinal cleanout perturbation experiment. <i>PLoS Computational Biology</i> , 2017, 13, e1005706.	1.5	64
103	Microbial regulation of microRNA expression in the amygdala and prefrontal cortex. <i>Microbiome</i> , 2017, 5, 102.	4.9	133
104	Are Short Chain Fatty Acids in Gut Microbiota Defensive Players for Inflammation and Atherosclerosis?. <i>Journal of Atherosclerosis and Thrombosis</i> , 2017, 24, 660-672.	0.9	366
105	Effects of Different Oligosaccharides on Growth of Selected Probiotic Bacterial Strains. <i>Journal of Microbial & Biochemical Technology</i> , 2017, 09, .	0.2	1
106	Fiber-Rich Dietary Patterns and Colonic Microbiota in Aging and Disease. , 2018, , 119-144.		1
107	Dietary Patterns, Foods and Fiber in Irritable Bowel Syndrome and Diverticular Disease. , 2018, , 165-192.		1
108	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

#	ARTICLE	IF	CITATIONS
109	Gut bacteria selectively promoted by dietary fibers alleviate type 2 diabetes. <i>Science</i> , 2018, 359, 1151-1156.	6.0	1,521
110	Deciphering the trophic interaction between <i>Akkermansia muciniphila</i> and the butyrogenic gut commensal <i>Anaerostipes caccae</i> using a metatranscriptomic approach. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 859-873.	0.7	90
111	Identification of redox imbalance as a prominent metabolic response elicited by rapeseed feeding in swine metabolome1. <i>Journal of Animal Science</i> , 2018, 96, 1757-1768.	0.2	11
112	Why does the microbiome affect behaviour?. <i>Nature Reviews Microbiology</i> , 2018, 16, 647-655.	13.6	222
113	Immune regulation by microbiome metabolites. <i>Immunology</i> , 2018, 154, 220-229.	2.0	223
114	Protective properties of combined fungal polysaccharides from <i>Cordyceps sinensis</i> and <i>Ganoderma atrum</i> on colon immune dysfunction. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1049-1055.	3.6	32
115	Profiles of commensal and opportunistic bacteria in human milk from healthy donors in Taiwan. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 1235-1244.	0.9	45
116	Probiotic mixture of <i>Lactobacillus</i> and <i>Bifidobacterium</i> alleviates systemic adiposity and inflammation in non-alcoholic fatty liver disease rats through Gpr109a and the commensal metabolite butyrate. <i>Inflammopharmacology</i> , 2018, 26, 1051-1055.	1.9	52
117	Microbial metabolites, short-chain fatty acids, restrain tissue bacterial load, chronic inflammation, and associated cancer in the colon of mice. <i>European Journal of Immunology</i> , 2018, 48, 1235-1247.	1.6	68
118	Grape proanthocyanidin-induced intestinal bloom of <i>Akkermansia muciniphila</i> is dependent on its baseline abundance and precedes activation of host genes related to metabolic health. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 142-151.	1.9	72
119	Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats. <i>Plant Foods for Human Nutrition</i> , 2018, 73, 54-60.	1.4	27
120	Time for food: The impact of diet on gut microbiota and human health. <i>Nutrition</i> , 2018, 51-52, 80-85.	1.1	94
121	Butyrate: A Double-Edged Sword for Health?. <i>Advances in Nutrition</i> , 2018, 9, 21-29.	2.9	639
122	Time-course responses of ileal and fecal microbiota and metabolite profiles to antibiotics in cannulated pigs. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2289-2299.	1.7	52
123	Dietary and Physical Activity Outcomes Determine Energy Balance in U.S. Adults Aged 50-74 Years. <i>Journal of Aging and Physical Activity</i> , 2018, 26, 561-569.	0.5	3
124	Microbiota Signaling Pathways that Influence Neurologic Disease. <i>Neurotherapeutics</i> , 2018, 15, 135-145.	2.1	127
125	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
126	Elevated circulating levels of succinate in human obesity are linked to specific gut microbiota. <i>ISME Journal</i> , 2018, 12, 1642-1657.	4.4	260

#	ARTICLE	IF	CITATIONS
127	Valorization of Brewer's spent grain to prebiotic oligosaccharide: Production, xylanase catalyzed hydrolysis, in-vitro evaluation with probiotic strains and in a batch human fecal fermentation model. <i>Journal of Biotechnology</i> , 2018, 268, 61-70.	1.9	48
128	The role of fatty acids and their endocannabinoid-like derivatives in the molecular regulation of appetite. <i>Molecular Aspects of Medicine</i> , 2018, 64, 45-67.	2.7	40
129	Metabolic Fate of ¹³ C-Labeled Polydextrose and Impact on the Gut Microbiome: A Triple-Phase Study in a Colon Simulator. <i>Journal of Proteome Research</i> , 2018, 17, 1041-1053.	1.8	17
130	Gut Microbiota and IGF-1. <i>Calcified Tissue International</i> , 2018, 102, 406-414.	1.5	84
131	Is metformin poised for a second career as an antimicrobial?. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e2975.	1.7	66
132	The gut microbiota as a novel regulator of cardiovascular function and disease. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 1-15.	1.9	122
133	Bifidobacteria or Fiber Protects against Diet-Induced Microbiota-Mediated Colonic Mucus Deterioration. <i>Cell Host and Microbe</i> , 2018, 23, 27-40.e7.	5.1	477
134	Novel in situ forming hydrogel based on xanthan and chitosan re-gelifying in liquids for local drug delivery. <i>Carbohydrate Polymers</i> , 2018, 186, 54-63.	5.1	113
135	Proton Pump Inhibitors Increase the Susceptibility of Mice to Oral Infection with Enteropathogenic Bacteria. <i>Digestive Diseases and Sciences</i> , 2018, 63, 881-889.	1.1	15
136	Gut-brain signaling in energy homeostasis: the unexpected role of microbiota-derived succinate. <i>Journal of Endocrinology</i> , 2018, 236, R105-R108.	1.2	64
137	A look at the smelly side of physiology: transport of short chain fatty acids. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 571-598.	1.3	97
138	Microbial modulation of cardiovascular disease. <i>Nature Reviews Microbiology</i> , 2018, 16, 171-181.	13.6	301
139	Microbiota derived short chain fatty acids promote histone crotonylation in the colon through histone deacetylases. <i>Nature Communications</i> , 2018, 9, 105.	5.8	326
140	Pumpkin polysaccharide modifies the gut microbiota during alleviation of type 2 diabetes in rats. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 711-717.	3.6	114
141	Sodium Butyrate Inhibits Inflammation and Maintains Epithelium Barrier Integrity in a TNBS-induced Inflammatory Bowel Disease Mice Model. <i>EBioMedicine</i> , 2018, 30, 317-325.	2.7	322
142	Functional properties of anti-inflammatory substances from quercetin-treated <i>Bifidobacterium adolescentis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 689-697.	0.6	20
143	Short-chain fatty acids suppress food intake by activating vagal afferent neurons. <i>Journal of Nutritional Biochemistry</i> , 2018, 57, 130-135.	1.9	119
144	Raspberry anthocyanin consumption prevents diet-induced obesity by alleviating oxidative stress and modulating hepatic lipid metabolism. <i>Food and Function</i> , 2018, 9, 2112-2120.	2.1	50

#	ARTICLE	IF	CITATIONS
145	Extensive impact of non-antibiotic drugs on human gut bacteria. <i>Nature</i> , 2018, 555, 623-628.	13.7	1,339
146	Antibiotics-induced modulation of large intestinal microbiota altered aromatic amino acid profile and expression of neurotransmitters in the hypothalamus of piglets. <i>Journal of Neurochemistry</i> , 2018, 146, 219-234.	2.1	71
147	Diet, Genetics, and the Gut Microbiome Drive Dynamic Changes in Plasma Metabolites. <i>Cell Reports</i> , 2018, 22, 3072-3086.	2.9	159
148	Bacterial growth, flow, and mixing shape human gut microbiota density and composition. <i>Gut Microbes</i> , 2018, 9, 1-8.	4.3	39
149	Microbiota-Host Transgenomic Metabolism, Bioactive Molecules from the Inside. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 47-61.	2.9	91
150	Microbial metabolites and graft versus host disease. <i>American Journal of Transplantation</i> , 2018, 18, 23-29.	2.6	40
151	Whole cereal grains and potential health effects: Involvement of the gut microbiota. <i>Food Research International</i> , 2018, 103, 84-102.	2.9	136
152	Gut Microbiota and Host Metabolism: What Relationship. <i>Neuroendocrinology</i> , 2018, 106, 352-356.	1.2	47
153	Diet, Gut Microbiota, and Vitamins D +AA in Multiple Sclerosis. <i>Neurotherapeutics</i> , 2018, 15, 75-91.	2.1	117
154	Mechanisms of gut microbiota-mediated bone remodeling. <i>Gut Microbes</i> , 2018, 9, 84-92.	4.3	77
155	Steroids, stress and the gut microbiome-brain axis. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12548.	1.2	119
156	Isolation, purification and physicochemical properties of polysaccharide from fruiting body of <i>Hericium erinaceus</i> and its effect on colonic health of mice. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1310-1319.	3.6	51
157	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	125
158	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
159	Protective roles of intestinal microbiota derived short chain fatty acids in Alzheimer's disease-type beta-amyloid neuropathological mechanisms. <i>Expert Review of Neurotherapeutics</i> , 2018, 18, 83-90.	1.4	247
160	Canagliflozin reduces plasma uremic toxins and alters the intestinal microbiota composition in a chronic kidney disease mouse model. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F824-F833.	1.3	84
161	Exercise has the guts: How physical activity may positively modulate gut microbiota in chronic and immune-based diseases. <i>Digestive and Liver Disease</i> , 2018, 50, 331-341.	0.4	114
162	Dietary Fiber in Health and Disease. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
163	Landscape of the regulatory elements for lysine 2-hydroxyisobutyrylation pathway. <i>Cell Research</i> , 2018, 28, 111-125.	5.7	89
164	Postprandial gut microbiota-driven choline metabolism links dietary cues to adipose tissue dysfunction. <i>Adipocyte</i> , 2018, 7, 49-56.	1.3	25
165	Microbial biotransformations in the human distal gut. <i>British Journal of Pharmacology</i> , 2018, 175, 4404-4414.	2.7	43
166	Connection Between Fiber, Colonic Microbiota, and Health Across the Human Life Cycle. , 2018, , 67-93.		1
167	Fiber and Diverticular Disease. , 2018, , 149-162.		0
168	Exposure to the fungicide propamocarb causes gut microbiota dysbiosis and metabolic disorder in mice. <i>Environmental Pollution</i> , 2018, 237, 775-783.	3.7	71
169	Xenobiotic and endobiotic handling by the mucosal immune system. <i>Current Opinion in Gastroenterology</i> , 2018, 34, 404-412.	1.0	6
170	Role of diet and gut microbiota on colorectal cancer immunomodulation. <i>World Journal of Gastroenterology</i> , 2018, 25, 151-162.	1.4	103
171	High-throughput lipidomics reveal mirabilite regulating lipid metabolism as anticancer therapeutics. <i>RSC Advances</i> , 2018, 8, 35600-35610.	1.7	24
172	Introductory Chapter: Fatty Acids in Modern Times. , 0, , .		0
173	Function of Pro-Resolving Lipid Mediator Resolvin E1 in Type 2 Diabetes. <i>Critical Reviews in Immunology</i> , 2018, 38, 343-365.	1.0	32
174	Using the natural variation of mouse populations to understand host-gut microbiome interactions. <i>Drug Discovery Today: Disease Models</i> , 2018, 28, 61-71.	1.2	6
175	Gut Microbiota, Short-Chain Fatty Acids, and Herbal Medicines. <i>Frontiers in Pharmacology</i> , 2018, 9, 1354.	1.6	233
176	Dietary Fiber and Gastrointestinal Disease: an Evolving Story. <i>Current Gastroenterology Reports</i> , 2018, 20, 59.	1.1	8
177	Effects of Dietary Fiber Supplementation on Fatty Acid Metabolism and Intestinal Microbiota Diversity in C57BL/6J Mice Fed with a High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12706-12718.	2.4	62
178	Cross-talk between signal transduction and metabolism in B cells. <i>Immunology Letters</i> , 2018, 201, 1-13.	1.1	33
179	The gut microbiota and cardiovascular health benefits: A focus on wholegrain oats. <i>Nutrition Bulletin</i> , 2018, 43, 358-373.	0.8	17
180	Butyrate Produced by Commensal Bacteria Down-Regulates Indolamine 2,3-Dioxygenase 1 (IDO-1) Expression via a Dual Mechanism in Human Intestinal Epithelial Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2838.	2.2	74

#	ARTICLE	IF	CITATIONS
181	Efficacy of fecal microbiota transplantation in a patient with chronic intractable constipation. <i>Clinical Case Reports (discontinued)</i> , 2018, 6, 2029-2032.	0.2	6
182	Divergent short-chain fatty acid production and succession of colonic microbiota arise in fermentation of variously-sized wheat bran fractions. <i>Scientific Reports</i> , 2018, 8, 16655.	1.6	62
183	Free D-amino acids produced by commensal bacteria in the colonic lumen. <i>Scientific Reports</i> , 2018, 8, 17915.	1.6	55
184	Effects of Extrusion on Physicochemical Properties of Oat Polysaccharides and Its Improvement in Flour Dough Extensibility and Gumminess. <i>Food Science and Technology Research</i> , 2018, 24, 145-150.	0.3	1
185	Commensals Suppress Intestinal Epithelial Cell Retinoic Acid Synthesis to Regulate Interleukin-22 Activity and Prevent Microbial Dysbiosis. <i>Immunity</i> , 2018, 49, 1103-1115.e6.	6.6	139
186	Qualitative modelling of the interplay of inflammatory status and butyrate in the human gut: a hypotheses about robust bi-stability. <i>BMC Systems Biology</i> , 2018, 12, 144.	3.0	5
187	Protective effects of <i>Bacillus</i> probiotics against high-fat diet-induced metabolic disorders in mice. <i>PLoS ONE</i> , 2018, 13, e0210120.	1.1	56
188	The Relationship between Dietary Habits and Frailty in Rural Japanese Community-Dwelling Older Adults: Cross-Sectional Observation Study Using a Brief Self-Administered Dietary History Questionnaire. <i>Nutrients</i> , 2018, 10, 1982.	1.7	28
189	Faecal Short Chain Fatty Acids Profile is Changed in Polish Depressive Women. <i>Nutrients</i> , 2018, 10, 1939.	1.7	153
190	Metabolites of Lactic Acid Bacteria. , 2018, , 87-113.		5
191	Lactic Acid Bacteria in Foodborne Hazards Reduction. , 2018, , .		8
192	Tree Nut Consumption and Adipose Tissue Mass: Mechanisms of Action. <i>Current Developments in Nutrition</i> , 2018, 2, nzy069.	0.1	16
193	Dietary polysaccharide-rich extract from <i>Eucommia cottonii</i> modulates the inflammatory response and suppresses colonic injury on dextran sulfate sodium-induced colitis in mice. <i>PLoS ONE</i> , 2018, 13, e0205252.	1.1	38
194	Second edition of SIMPAR’s “Feed Your Destiny” workshop: the role of lifestyle in improving pain management. <i>Journal of Pain Research</i> , 2018, Volume 11, 1627-1636.	0.8	13
195	Exploring Effects of Chitosan Oligosaccharides on Mice Gut Microbiota in in vitro Fermentation and Animal Model. <i>Frontiers in Microbiology</i> , 2018, 9, 2388.	1.5	42
196	Diet induced changes in the microbiota and cell composition of rabbit gut associated lymphoid tissue (GALT). <i>Scientific Reports</i> , 2018, 8, 14103.	1.6	18
197	How Can We Define âOptimal Microbiota?â A Comparative Review of Structure and Functions of Microbiota of Animals, Fish, and Plants in Agriculture. <i>Frontiers in Nutrition</i> , 2018, 5, 90.	1.6	61
198	A Comparison of a Pulse-Based Diet and the Therapeutic Lifestyle Changes Diet in Combination with Exercise and Health Counselling on the Cardio-Metabolic Risk Profile in Women with Polycystic Ovary Syndrome: A Randomized Controlled Trial. <i>Nutrients</i> , 2018, 10, 1387.	1.7	62

#	ARTICLE	IF	CITATIONS
199	Regulation of the effector function of CD8+ T cells by gut microbiota-derived metabolite butyrate. <i>Scientific Reports</i> , 2018, 8, 14430.	1.6	181
200	Mixture of Two <i>Lactobacillus plantarum</i> Strains Modulates the Gut Microbiota Structure and Regulatory T Cell Response in Diet-Induced Obese Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800329.	1.5	44
201	Effect of coffee or coffee components on gut microbiome and short-chain fatty acids in a mouse model of metabolic syndrome. <i>Scientific Reports</i> , 2018, 8, 16173.	1.6	57
202	Microbially Produced Imidazole Propionate Impairs Insulin Signaling through mTORC1. <i>Cell</i> , 2018, 175, 947-961.e17.	13.5	517
203	Experimental evaluation of the importance of colonization history in early-life gut microbiota assembly. <i>ELife</i> , 2018, 7, .	2.8	140
204	Impact of Diet-Modulated Butyrate Production on Intestinal Barrier Function and Inflammation. <i>Nutrients</i> , 2018, 10, 1499.	1.7	328
205	Interaction between gut microbiome and cardiovascular disease. <i>Life Sciences</i> , 2018, 214, 153-157.	2.0	106
206	Dietary Corn Bran Altered the Diversity of Microbial Communities and Cytokine Production in Weaned Pigs. <i>Frontiers in Microbiology</i> , 2018, 9, 2090.	1.5	48
207	The Role of Gut Microbiota in Atherosclerosis and Hypertension. <i>Frontiers in Pharmacology</i> , 2018, 9, 1082.	1.6	164
208	Changes in the Intestine Microbial, Digestive, and Immune-Related Genes of <i>Litopenaeus vannamei</i> in Response to Dietary Probiotic <i>Clostridium butyricum</i> Supplementation. <i>Frontiers in Microbiology</i> , 2018, 9, 2191.	1.5	99
209	Butyrate upregulates the TLR4 expression and the phosphorylation of MAPKs and NK κ B in colon cancer cell in $\frac{1}{2}$ vitro. <i>Oncology Letters</i> , 2018, 16, 4439-4447.	0.8	28
210	Dietary Patterns Affect the Gut Microbiome—The Link to Risk of Cardiometabolic Diseases. <i>Journal of Nutrition</i> , 2018, 148, 1402-1407.	1.3	34
211	A fucoidan from sea cucumber <i>Pearsonothuria graeffei</i> with well-repeated structure alleviates gut microbiota dysbiosis and metabolic syndromes in HFD-fed mice. <i>Food and Function</i> , 2018, 9, 5371-5380.	2.1	67
212	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
213	Melatonin reprogramming of gut microbiota improves lipid dysmetabolism in high-fat diet-fed mice. <i>Journal of Pineal Research</i> , 2018, 65, e12524.	3.4	314
214	Absorption of <i>Codonopsis pilosula</i> Saponins by Coexisting Polysaccharides Alleviates Gut Microbial Dysbiosis with Dextran Sulfate Sodium-Induced Colitis in Model Mice. <i>BioMed Research International</i> , 2018, 2018, 1-18.	0.9	60
215	Microbial metabolite sensor GPR43 controls severity of experimental GVHD. <i>Nature Communications</i> , 2018, 9, 3674.	5.8	102
216	A fast and accurate way to determine short chain fatty acids in mouse feces based on GC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1099, 73-82.	1.2	37

#	ARTICLE	IF	CITATIONS
217	Dysbiosis signatures of gut microbiota in coronary artery disease. <i>Physiological Genomics</i> , 2018, 50, 893-903.	1.0	129
218	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
219	Long-Term Dietary Nitrate Supplementation Does Not Prevent Development of the Metabolic Syndrome in Mice Fed a High-Fat Diet. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-8.	0.6	7
220	Insights into a Possible Mechanism Underlying the Connection of Carbendazim-Induced Lipid Metabolism Disorder and Gut Microbiota Dysbiosis in Mice. <i>Toxicological Sciences</i> , 2018, 166, 382-393.	1.4	56
221	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. , 0, , 453-483.		8
222	The Roles of 27 Genera of Human Gut Microbiota in Ischemic Heart Disease, Type 2 Diabetes Mellitus, and Their Risk Factors: A Mendelian Randomization Study. <i>American Journal of Epidemiology</i> , 2018, 187, 1916-1922.	1.6	66
223	Mitochondrial function " gatekeeper of intestinal epithelial cell homeostasis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 497-516.	8.2	190
224	Dietary fibers, prebiotics, and exopolysaccharides produced by lactic acid bacteria: potential health benefits with special regard to cholesterol-lowering effects. <i>Food and Function</i> , 2018, 9, 3057-3068.	2.1	129
225	Asymptomatic Intestinal Colonization with Protist <i>Blastocystis</i> Is Strongly Associated with Distinct Microbiome Ecological Patterns. <i>MSystems</i> , 2018, 3, .	1.7	99
226	Synthesis, Characterization of Inulin Propionate Ester, and Evaluation of its in Vitro Effect on SCFA Production. <i>Starch/Staerke</i> , 2018, 70, 1800037.	1.1	4
227	Novel therapeutic strategy for cancer and autoimmune conditions: Modulating cell metabolism and redox capacity. , 2018, 191, 148-161.		24
228	Formation of arrays of planar, murine, intestinal crypts possessing a stem/proliferative cell compartment and differentiated cell zone. <i>Lab on A Chip</i> , 2018, 18, 2202-2213.	3.1	18
229	Gastrointestinal Microbial Ecology With Perspectives on Health and Disease. , 2018, , 737-753.		3
230	New insights into bacterial bile resistance mechanisms: the role of bile salt hydrolase and its impact on human health. <i>Food Research International</i> , 2018, 112, 250-262.	2.9	101
231	Evaluation of the prebiotic potential of arabinoxylans extracted from wheat distillers™ dried grains with solubles (DDGS) and in-process samples. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7577-7587.	1.7	17
232	Metabolic reprogramming for cancer cells and their microenvironment: Beyond the Warburg Effect. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 51-66.	3.3	241
233	Short-chain fatty acids: microbial metabolites that alleviate stress-induced brain-gut axis alterations. <i>Journal of Physiology</i> , 2018, 596, 4923-4944.	1.3	460
234	Origination, change, and modulation of geriatric disease-related gut microbiota during life. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8275-8289.	1.7	25

#	ARTICLE	IF	CITATIONS
236	Fiber Supplements Derived From Sugarcane Stem, Wheat Dextrin and Psyllium Husk Have Different In Vitro Effects on the Human Gut Microbiota. <i>Frontiers in Microbiology</i> , 2018, 9, 1618.	1.5	25
237	Saturated Fat: Part of a Healthy Diet. <i>Current Nutrition Reports</i> , 2018, 7, 85-96.	2.1	26
238	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
239	Responses of Intestinal Mucosal Barrier Functions of Rats to Simulated Weightlessness. <i>Frontiers in Physiology</i> , 2018, 9, 729.	1.3	27
240	When the Nose Doesn't Know: Canine Olfactory Function Associated With Health, Management, and Potential Links to Microbiota. <i>Frontiers in Veterinary Science</i> , 2018, 5, 56.	0.9	70
241	Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project. <i>Nutrients</i> , 2018, 10, 576.	1.7	96
242	Gut-Brain Psychology: Rethinking Psychology From the Microbiota-Gut-Brain Axis. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 33.	1.0	169
243	The interplay between neutrophils and microbiota in cancer. <i>Journal of Leukocyte Biology</i> , 2018, 104, 701-715.	1.5	10
244	Interorgan Metabolic Crosstalk in Human Insulin Resistance. <i>Physiological Reviews</i> , 2018, 98, 1371-1415.	13.1	138
245	Gut Microbiota Markers in Obese Adolescent and Adult Patients: Age-Dependent Differential Patterns. <i>Frontiers in Microbiology</i> , 2018, 9, 1210.	1.5	139
246	The influence of bioregenerative life-support system dietary structure and lifestyle on the gut microbiota: a 105-day ground-based space simulation in Lunar Palace 1. <i>Environmental Microbiology</i> , 2018, 20, 3643-3656.	1.8	35
247	Role of Short Chain Fatty Acid Receptors in Intestinal Physiology and Pathophysiology. , 2018, 8, 1091-1115.		141
248	Isoquercetin and inulin synergistically modulate the gut microbiome to prevent development of the metabolic syndrome in mice fed a high fat diet. <i>Scientific Reports</i> , 2018, 8, 10100.	1.6	44
249	Shifts of Faecal Microbiota During Sporadic Colorectal Carcinogenesis. <i>Scientific Reports</i> , 2018, 8, 10329.	1.6	99
250	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
251	Rethinking the Role of the Nervous System: Lessons From the <i>Hydra</i> Holobiont. <i>BioEssays</i> , 2018, 40, e1800060.	1.2	48
252	Isomaltulose: Recent evidence for health benefits. <i>Journal of Functional Foods</i> , 2018, 48, 173-178.	1.6	49
253	Nature versus nurture in the spectrum of rheumatic diseases: Classification of spondyloarthritis as autoimmune or autoinflammatory. <i>Autoimmunity Reviews</i> , 2018, 17, 935-941.	2.5	51

#	ARTICLE	IF	CITATIONS
254	Simultaneous HS-SPME GC-MS determination of short chain fatty acids, trimethylamine and trimethylamine N-oxide for gut microbiota metabolic profile. <i>Talanta</i> , 2018, 189, 573-578.	2.9	33
255	High phosphorus intake and gut-related parameters – results of a randomized placebo-controlled human intervention study. <i>Nutrition Journal</i> , 2018, 17, 23.	1.5	31
256	Gut microbiota promotes production of aromatic metabolites through degradation of barley leaf fiber. <i>Journal of Nutritional Biochemistry</i> , 2018, 58, 49-58.	1.9	21
257	Modulation of bacterial metabolism by the microenvironment controls MAIT cell stimulation. <i>Mucosal Immunology</i> , 2018, 11, 1060-1070.	2.7	60
258	Butyrate Suppresses the Proliferation of Colorectal Cancer Cells via Targeting Pyruvate Kinase M2 and Metabolic Reprogramming. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1531-1545.	2.5	79
259	Microbial tryptophan catabolites in health and disease. <i>Nature Communications</i> , 2018, 9, 3294.	5.8	1,067
260	Gut Microbiota and Relevant Metabolites Analysis in Alcohol Dependent Mice. <i>Frontiers in Microbiology</i> , 2018, 9, 1874.	1.5	46
261	Effects of Oat Bran on Nutrient Digestibility, Intestinal Microbiota, and Inflammatory Responses in the Hindgut of Growing Pigs. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2407.	1.8	70
262	Prospects for primary prevention of type 1 diabetes by restoring a disappearing microbe. <i>Pediatric Diabetes</i> , 2018, 19, 1400-1406.	1.2	39
263	A Galacto-Oligosaccharides Preparation Derived From Lactulose Protects Against Colorectal Cancer Development in an Animal Model. <i>Frontiers in Microbiology</i> , 2018, 9, 2004.	1.5	66
264	Polysaccharide from fermented <i>Momordica charantia</i> L. with <i>Lactobacillus plantarum</i> NCU116 ameliorates type 2 diabetes in rats. <i>Carbohydrate Polymers</i> , 2018, 201, 624-633.	5.1	104
265	Implication of gut microbiota metabolites in cardiovascular and metabolic diseases. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3977-3990.	2.4	127
266	Gut nutrient sensing and microbiota function in the control of energy homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018, 21, 273-276.	1.3	12
267	A Metabolite-Triggered Tuft Cell-ILC2 Circuit Drives Small Intestinal Remodeling. <i>Cell</i> , 2018, 174, 271-284.e14.	13.5	320
268	The Impact of Dietary Fiber on Gut Microbiota in Host Health and Disease. <i>Cell Host and Microbe</i> , 2018, 23, 705-715.	5.1	1,441
269	In vitro co-cultures of human gut bacterial species as predicted from co-occurrence network analysis. <i>PLoS ONE</i> , 2018, 13, e0195161.	1.1	41
270	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
271	Bifidobacteria attenuate the development of metabolic disorders, with inter- and intra-species differences. <i>Food and Function</i> , 2018, 9, 3509-3522.	2.1	42

#	ARTICLE	IF	CITATIONS
272	The Drosophila Immune Deficiency Pathway Modulates Enteroendocrine Function and Host Metabolism. <i>Cell Metabolism</i> , 2018, 28, 449-462.e5.	7.2	143
273	Dietary sodium butyrate improves intestinal development and function by modulating the microbial community in broilers. <i>PLoS ONE</i> , 2018, 13, e0197762.	1.1	89
274	Intestinal Microbial and Metabolic Profiling of Mice Fed with High-Glucose and High-Fructose Diets. <i>Journal of Proteome Research</i> , 2018, 17, 2880-2891.	1.8	21
275	Early-life food nutrition, microbiota maturation and immune development shape life-long health. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, S30-S38.	5.4	19
276	A critical review on anti-diabetic and anti-obesity effects of dietary resistant starch. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 3019-3031.	5.4	71
277	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
278	4-Plex Chemical Labeling Strategy Based on Cinchona Alkaloid-Derived Primary Amines for the Analysis of Chiral Carboxylic Acids by Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 11440-11446.	3.2	21
279	Transplantation of fecal microbiota rich in short chain fatty acids and butyric acid treat cerebral ischemic stroke by regulating gut microbiota. <i>Pharmacological Research</i> , 2019, 148, 104403.	3.1	228
280	Investigation of the Effects of Microbiota on Exercise Physiological Adaption, Performance, and Energy Utilization Using a Gnotobiotic Animal Model. <i>Frontiers in Microbiology</i> , 2019, 10, 1906.	1.5	53
281	Cooked Red Lentils Dose-Dependently Modulate the Colonic Microenvironment in Healthy C57Bl/6 Male Mice. <i>Nutrients</i> , 2019, 11, 1853.	1.7	12
282	Simple animal models for microbiome research. <i>Nature Reviews Microbiology</i> , 2019, 17, 764-775.	13.6	168
283	The Gut Microbiome Influences Host Endocrine Functions. <i>Endocrine Reviews</i> , 2019, 40, 1271-1284.	8.9	179
284	Health Benefits of Nut Consumption in Middle-Aged and Elderly Population. <i>Antioxidants</i> , 2019, 8, 302.	2.2	39
285	Low Methoxyl Pectin Protects against Autoimmune Diabetes and Associated Caecal Dysfunction. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900307.	1.5	19
286	Dietary Fibers from Fruits and Vegetables and Their Health Benefits via Modulation of Gut Microbiota. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 1514-1532.	5.9	123
287	Diet-derived microbial metabolites in health and disease. <i>Nutrition Bulletin</i> , 2019, 44, 216-227.	0.8	36
288	Interactions of tea catechins with intestinal microbiota and their implication for human health. <i>Food Science and Biotechnology</i> , 2019, 28, 1617-1625.	1.2	45
289	Lyso-Gb3 modulates the gut microbiota and decreases butyrate production. <i>Scientific Reports</i> , 2019, 9, 12010.	1.6	21

#	ARTICLE	IF	CITATIONS
290	A Proresolving Peptide Nanotherapy for Site-Specific Treatment of Inflammatory Bowel Disease by Regulating Proinflammatory Microenvironment and Gut Microbiota. <i>Advanced Science</i> , 2019, 6, 1900610.	5.6	117
291	Gut microbial metabolite butyrate protects against proteinuric kidney disease through epigenetic and GPR109A-mediated mechanisms. <i>FASEB Journal</i> , 2019, 33, 11894-11908.	0.2	70
292	Circulating levels of butyrate are inversely related to portal hypertension, endotoxemia, and systemic inflammation in patients with cirrhosis. <i>FASEB Journal</i> , 2019, 33, 11595-11605.	0.2	68
293	Psychobiotics, as Promising Functional Food to Patients with Psychological Disorders: A Review on Mood Disorders, Sleep, and Cognition. <i>NeuroQuantology</i> , 2019, 17, .	0.1	27
294	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. <i>Frontiers in Immunology</i> , 2019, 10, 1733.	2.2	47
295	The Short-Chain Fatty Acid Acetate in Body Weight Control and Insulin Sensitivity. <i>Nutrients</i> , 2019, 11, 1943.	1.7	322
296	Bacterial Acid Resistance Toward Organic Weak Acid Revealed by RNA-Seq Transcriptomic Analysis in <i>Acetobacter pasteurianus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1616.	1.5	25
297	Monocyte mobilisation, microbiota & mental illness. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 74-91.	2.0	35
298	Gut microbiota metabolite regulation of host defenses at mucosal surfaces: implication in precision medicine. <i>Precision Clinical Medicine</i> , 2019, 2, 110-119.	1.3	81
299	Severe burn injury alters intestinal microbiota composition and impairs intestinal barrier in mice. <i>Burns and Trauma</i> , 2019, 7, 20.	2.3	32
300	Low gut microbiota diversity and dietary magnesium intake are associated with the development of PPI-induced hypomagnesemia. <i>FASEB Journal</i> , 2019, 33, 11235-11246.	0.2	32
301	Enteral Nutrition Formulas: Current Evidence and Nutritional Composition. , 2019, , 467-508.		4
302	The Role of the Gut-Brain Axis in Attention-Deficit/Hyperactivity Disorder. <i>Gastroenterology Clinics of North America</i> , 2019, 48, 407-431.	1.0	41
303	Validation of a Psychosocial Chronic Stress Model in the Pig Using a Multidisciplinary Approach at the Gut-Brain and Behavior Levels. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 161.	1.0	16
304	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes-5. <i>Molecules</i> , 2019, 24, 2415.	1.7	5
305	Systems Pharmacology and Microbiome Dissection of Shen Ling Bai Zhu San Reveal Multiscale Treatment Strategy for IBD. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-30.	1.9	25
306	A Cross-Sectional Study of Compositional and Functional Profiles of Gut Microbiota in Sardinian Centenarians. <i>MSystems</i> , 2019, 4, .	1.7	95
307	Strain-specific ameliorating effect of <i>Bifidobacterium longum</i> on atopic dermatitis in mice. <i>Journal of Functional Foods</i> , 2019, 60, 103426.	1.6	12

#	ARTICLE	IF	CITATIONS
308	Glycan utilisation system in Bacteroides and Bifidobacteria and their roles in gut stability and health. Applied Microbiology and Biotechnology, 2019, 103, 7287-7315.	1.7	53
309	Microbiota-derived acetate protects against respiratory syncytial virus infection through a GPR43-type 1 interferon response. Nature Communications, 2019, 10, 3273.	5.8	234
310	Butyrate ameliorates caerulein-induced acute pancreatitis and associated intestinal injury by tissue-specific mechanisms. British Journal of Pharmacology, 2019, 176, 4446-4461.	2.7	87
311	The Effect of Isolated and Synthetic Dietary Fibers on Markers of Metabolic Diseases in Human Intervention Studies: A Systematic Review. Advances in Nutrition, 2020, 11, 420-438.	2.9	22
312	Gut microbiota, dysbiosis and colon lavage. Digestive and Liver Disease, 2019, 51, 1209-1213.	0.4	32
313	Dicaffeoylquinic acids from Ilex kudingcha attenuate dextran sulfate sodium-induced colitis in C57BL/6 mice in association with the modulation of gut microbiota. Journal of Functional Foods, 2019, 61, 103468.	1.6	20
314	Bridging intestinal immunity and gut microbiota by metabolites. Cellular and Molecular Life Sciences, 2019, 76, 3917-3937.	2.4	176
315	Metabolism, bioenergetics and thermal physiology: influences of the human intestinal microbiota. Nutrition Research Reviews, 2019, 32, 205-217.	2.1	14
316	The Commensal Microbiota and Viral Infection: A Comprehensive Review. Frontiers in Immunology, 2019, 10, 1551.	2.2	195
317	<p>The protective effect and mechanism of the FXR agonist obeticholic acid via targeting gut microbiota in non-alcoholic fatty liver disease</p>. Drug Design, Development and Therapy, 2019, Volume 13, 2249-2270.	2.0	31
318	Propionate Ameliorates Staphylococcus aureus Skin Infection by Attenuating Bacterial Growth. Frontiers in Microbiology, 2019, 10, 1363.	1.5	26
319	Compositional data analysis as an alternative paradigm for nutritional studies. Clinical Nutrition ESPEN, 2019, 33, 207-212.	0.5	17
320	Gut Vibes in Parkinson's Disease: The Microbiota-Gut-Brain Axis. Movement Disorders Clinical Practice, 2019, 6, 639-651.	0.8	65
321	Mannan Oligosaccharide Suppresses Lipid Accumulation and Appetite in Western-Diet-Induced Obese Mice Via Reshaping Gut Microbiome and Enhancing Short-Chain Fatty Acids Production. Molecular Nutrition and Food Research, 2019, 63, e1900521.	1.5	48
322	Metabolite-Sensing Receptor Ffar2 Regulates Colonic Group 3 Innate Lymphoid Cells and Gut Immunity. Immunity, 2019, 51, 871-884.e6.	6.6	203
323	Low-protein diets supplemented with casein hydrolysate favor the microbiota and enhance the mucosal humoral immunity in the colon of pigs. Journal of Animal Science and Biotechnology, 2019, 10, 79.	2.1	20
324	â€œPhotobiomicsâ€ Can Light, Including Photobiomodulation, Alter the Microbiome?. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 681-693.	0.7	44
325	Demystifying the manipulation of host immunity, metabolism, and extraintestinal tumors by the gut microbiome. Signal Transduction and Targeted Therapy, 2019, 4, 41.	7.1	150

#	ARTICLE	IF	CITATIONS
326	A Comprehensive Understanding of Dietary Effects on <i>C. elegans</i> Physiology. <i>Current Medical Science</i> , 2019, 39, 679-684.	0.7	15
327	Altered short chain fatty acid profiles induced by dietary fiber intervention regulate AMPK levels and intestinal homeostasis. <i>Food and Function</i> , 2019, 10, 7174-7187.	2.1	43
328	Rice Components with Immunomodulatory Function. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, S9-S12.	0.2	0
329	Effects of tributyrin on growth performance, intestinal microflora and barrier function of weaned pigs. <i>Animal Feed Science and Technology</i> , 2019, 258, 114311.	1.1	14
330	Finding Solutions for Optimal Reactive Power Dispatch Problem by a Novel Improved Antlion Optimization Algorithm. <i>Energies</i> , 2019, 12, 2968.	1.6	43
331	Antioxidant system of soiny mullet (<i>Liza haematocheila</i>) is responsive to dietary poly- β -hydroxybutyrate (PHB) supplementation based on immune-related enzyme activity and de novo transcriptome analysis. <i>Fish and Shellfish Immunology</i> , 2019, 95, 314-327.	1.6	15
332	Heat stress affects fecal microbial and metabolic alterations of primiparous sows during late gestation. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 84.	2.1	63
333	A High Level of Circulating Valine Is a Biomarker for Type 2 Diabetes and Associated with the Hypoglycemic Effect of Sitagliptin. <i>Mediators of Inflammation</i> , 2019, 2019, 1-7.	1.4	16
334	Dietary lipids, gut microbiota and lipid metabolism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019, 20, 461-472.	2.6	587
335	Recognition of Histone Crotonylation by Taf14 Links Metabolic State to Gene Expression. <i>Molecular Cell</i> , 2019, 76, 909-921.e3.	4.5	83
336	Influence of pig gut microbiota on <i>Mycoplasma hyopneumoniae</i> susceptibility. <i>Veterinary Research</i> , 2019, 50, 86.	1.1	13
337	Propionate, together with triple antibiotics, inhibits the growth of Enterococci. <i>Journal of Microbiology</i> , 2019, 57, 1019-1024.	1.3	13
338	In vitro fermentation of <i>Cucumis sativus</i> fructus extract by canine gut microbiota in combination with two probiotic strains. <i>Journal of Functional Foods</i> , 2019, 63, 103585.	1.6	5
339	Coffee Silverskin Extract: Nutritional Value, Safety and Effect on Key Biological Functions. <i>Nutrients</i> , 2019, 11, 2693.	1.7	30
340	Undigested Food and Gut Microbiota May Cooperate in the Pathogenesis of Neuroinflammatory Diseases: A Matter of Barriers and a Proposal on the Origin of Organ Specificity. <i>Nutrients</i> , 2019, 11, 2714.	1.7	30
341	Intestinal Microbiota Confer Protection by Priming the Immune System of Red Palm Weevil <i>Rhynchophorus ferrugineus</i> Olivier (Coleoptera: Dryophthoridae). <i>Frontiers in Physiology</i> , 2019, 10, 1303.	1.3	52
342	Circulating Metabolites Originating from Gut Microbiota Control Endothelial Cell Function. <i>Molecules</i> , 2019, 24, 3992.	1.7	54
343	Dietary short-chain fatty acid intake improves the hepatic metabolic condition via FFAR3. <i>Scientific Reports</i> , 2019, 9, 16574.	1.6	82

#	ARTICLE	IF	CITATIONS
344	The Role of the Lung's Microbiome in the Pathogenesis and Progression of Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5618.	1.8	41
345	The Cholesterol-Lowering Effect of Oats and Oat Beta Glucan: Modes of Action and Potential Role of Bile Acids and the Microbiome. <i>Frontiers in Nutrition</i> , 2019, 6, 171.	1.6	104
346	Gut microbiota-derived succinate: Friend or foe in human metabolic diseases?. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019, 20, 439-447.	2.6	162
347	The effect of antibiotics on the composition of the intestinal microbiota - a systematic review. <i>Journal of Infection</i> , 2019, 79, 471-489.	1.7	203
348	Microbial Metabolites Determine Host Health and the Status of Some Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5296.	1.8	78
349	Abundance of Probiotics and Butyrate Production Microbiome Manages Constipation via Short-Chain Fatty Acids Production and Hormones Secretion. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801187.	1.5	80
350	Enriched Environmental Conditions Modify the Gut Microbiome Composition and Fecal Markers of Inflammation in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 1032.	1.4	17
351	Gut microbial β -glucuronidases reactivate estrogens as components of the estrobolome that reactivate estrogens. <i>Journal of Biological Chemistry</i> , 2019, 294, 18586-18599.	1.6	157
352	Intestinal epithelial cells: at the interface of the microbiota and mucosal immunity. <i>Immunology</i> , 2019, 158, 267-280.	2.0	150
353	The Microbiota-Gut-Brain Axis. <i>Physiological Reviews</i> , 2019, 99, 1877-2013.	13.1	2,304
354	Pursuing Human-Relevant Gut Microbiota-Immune Interactions. <i>Immunity</i> , 2019, 51, 225-239.	6.6	105
355	Combination of mulberry leaf and oat bran possessed greater hypoglycemic effect on diabetic mice than mulberry leaf or oat bran alone. <i>Journal of Functional Foods</i> , 2019, 61, 103503.	1.6	12
356	Cocaine Induces Inflammatory Gut Milieu by Compromising the Mucosal Barrier Integrity and Altering the Gut Microbiota Colonization. <i>Scientific Reports</i> , 2019, 9, 12187.	1.6	47
357	Change of intestinal microbiota in cerebral ischemic stroke patients. <i>BMC Microbiology</i> , 2019, 19, 191.	1.3	174
358	Microbial community shifts elicit inflammation in the caecal mucosa via the GPR41/43 signalling pathway during subacute ruminal acidosis. <i>BMC Veterinary Research</i> , 2019, 15, 298.	0.7	8
359	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
360	Mushroom polysaccharides and jiaogulan saponins exert cancer preventive effects by shaping the gut microbiota and microenvironment in Apc mice. <i>Pharmacological Research</i> , 2019, 148, 104448.	3.1	64
361	Dietary daidzein improved intestinal health of juvenile turbot in terms of intestinal mucosal barrier function and intestinal microbiota. <i>Fish and Shellfish Immunology</i> , 2019, 94, 132-141.	1.6	35

#	ARTICLE	IF	CITATIONS
362	Quantitative reduction in short-chain fatty acids, especially butyrate, contributes to the progression of chronic kidney disease. <i>Clinical Science</i> , 2019, 133, 1857-1870.	1.8	88
363	Circulating but not faecal short-chain fatty acids are related to insulin sensitivity, lipolysis and GLP-1 concentrations in humans. <i>Scientific Reports</i> , 2019, 9, 12515.	1.6	200
364	Effects of Dietary-SCFA on Microbial Protein Synthesis and Urinal Urea-N Excretion Are Related to Microbiota Diversity in Rumen. <i>Frontiers in Physiology</i> , 2019, 10, 1079.	1.3	12
365	Regional Diversity of the Gastrointestinal Microbiome. <i>Cell Host and Microbe</i> , 2019, 26, 314-324.	5.1	247
366	Homeostasis and dysbiosis of the gut microbiome in health and disease. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	107
367	Abnormal composition of gut microbiota is associated with resilience versus susceptibility to inescapable electric stress. <i>Translational Psychiatry</i> , 2019, 9, 231.	2.4	67
368	An insoluble polysaccharide from the sclerotium of <i>Poria cocos</i> improves hyperglycemia, hyperlipidemia and hepatic steatosis in ob/ob mice via modulation of gut microbiota. <i>Chinese Journal of Natural Medicines</i> , 2019, 17, 3-14.	0.7	117
369	Dietary Fiber and Gut Microbiota in Renal Diets. <i>Nutrients</i> , 2019, 11, 2149.	1.7	34
370	The Intestine of <i>Drosophila melanogaster</i> : An Emerging Versatile Model System to Study Intestinal Epithelial Homeostasis and Host-Microbial Interactions in Humans. <i>Microorganisms</i> , 2019, 7, 336.	1.6	58
371	Effects of dietary tuna dark muscle enzymatic hydrolysis and cooking drip supplementations on growth performance, antioxidant activity and gut microbiota modulation of Bama mini-piglets. <i>RSC Advances</i> , 2019, 9, 25084-25093.	1.7	1
372	Deprivation of dietary fiber enhances susceptibility of mice to cryptosporidiosis. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007411.	1.3	15
373	Altered gut microbiota and intestinal permeability in Parkinson's disease: Pathological highlight to management. <i>Neuroscience Letters</i> , 2019, 712, 134516.	1.0	29
374	Microbiota- and Radiotherapy-Induced Gastrointestinal Side-Effects (MARS) Study: A Large Pilot Study of the Microbiome in Acute and Late-Radiation Enteropathy. <i>Clinical Cancer Research</i> , 2019, 25, 6487-6500.	3.2	116
375	Postbiotics and Their Potential Applications in Early Life Nutrition and Beyond. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4673.	1.8	310
376	Antibiotic Exposure Disturbs the Gut Microbiota and Its Metabolic Phenotype Differently in Rats with Advanced-Stage Type 1 Diabetes and Age-Matched Controls. <i>Journal of Proteome Research</i> , 2019, 18, 3944-3954.	1.8	2
377	The Microbial Pecking Order: Utilization of Intestinal Microbiota for Poultry Health. <i>Microorganisms</i> , 2019, 7, 376.	1.6	51
378	Degradation of Peptide-Bound Maillard Reaction Products in Gastrointestinal Digests of Glyoxal-Glycated Casein by Human Colonic Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12094-12104.	2.4	21
379	Specific Wheat Fractions Influence Hepatic Fat Metabolism in Diet-Induced Obese Mice. <i>Nutrients</i> , 2019, 11, 2348.	1.7	9

#	ARTICLE	IF	CITATIONS
380	Major cereal carbohydrates in relation to intestinal health of monogastric animals: A review. <i>Animal Nutrition</i> , 2019, 5, 331-339.	2.1	34
381	Short-chain fatty acids and microbiota metabolites attenuate ghrelin receptor signaling. <i>FASEB Journal</i> , 2019, 33, 13546-13559.	0.2	93
382	Interaction between gut microbiota and ethnomedicine constituents. <i>Natural Product Reports</i> , 2019, 36, 788-809.	5.2	67
383	Host-Specific Adaptive Diversification of Crohn's Disease-Associated Adherent-Invasive <i>Escherichia coli</i> . <i>Cell Host and Microbe</i> , 2019, 25, 301-312.e5.	5.1	65
384	Gut microbial metabolites in obesity, NAFLD and T2DM. <i>Nature Reviews Endocrinology</i> , 2019, 15, 261-273.	4.3	817
385	Influence of the Maillard Reaction on the Allergenicity of Food Proteins and the Development of Allergic Inflammation. <i>Current Allergy and Asthma Reports</i> , 2019, 19, 4.	2.4	32
386	Structure, function, and inhibition of drug reactivating human gut microbial β -glucuronidases. <i>Scientific Reports</i> , 2019, 9, 825.	1.6	66
387	Structural elucidation of a glucan from <i>Crataegus pinnatifida</i> and its bioactivity on intestinal bacteria strains. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 435-443.	3.6	32
388	Prominent action of butyrate over β -hydroxybutyrate as histone deacetylase inhibitor, transcriptional modulator and anti-inflammatory molecule. <i>Scientific Reports</i> , 2019, 9, 742.	1.6	146
389	Systemic treatment with the enteric bacterial metabolic product propionic acid results in reduction of social behavior in juvenile rats: Contribution to a rodent model of autism spectrum disorder. <i>Developmental Psychobiology</i> , 2019, 61, 688-699.	0.9	22
390	The Super-Donor Phenomenon in Fecal Microbiota Transplantation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 2.	1.8	262
391	Interactions between Host PPARs and Gut Microbiota in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 387.	1.8	46
392	A correlation between intestinal microbiota dysbiosis and osteoarthritis. <i>Heliyon</i> , 2019, 5, e01134.	1.4	68
393	Absence of gut microbial colonization attenuates the sympathoadrenal response to hypoglycemic stress in mice: implications for human neonates. <i>Pediatric Research</i> , 2019, 85, 574-581.	1.1	12
394	Altered gut microbiota and short chain fatty acids in Chinese children with autism spectrum disorder. <i>Scientific Reports</i> , 2019, 9, 287.	1.6	284
395	Gut microbiota profiling with differential tolerance against the reduced dietary fibre level in rabbit. <i>Scientific Reports</i> , 2019, 9, 288.	1.6	15
396	Role of Intestinal Microbiota in the Bioavailability and Physiological Functions of Dietary Polyphenols. <i>Molecules</i> , 2019, 24, 370.	1.7	394
397	Untargeted metabolomic evaluation of mango bagasse and mango bagasse based confection under in vitro simulated colonic fermentation. <i>Journal of Functional Foods</i> , 2019, 54, 271-280.	1.6	19

#	ARTICLE	IF	CITATIONS
398	Systematic Review of Gut Microbiota and Major Depression. <i>Frontiers in Psychiatry</i> , 2019, 10, 34.	1.3	368
399	T-Cell-Driven Inflammation as a Mediator of the Gut-Brain Axis Involved in Parkinson's Disease. <i>Frontiers in Immunology</i> , 2019, 10, 239.	2.2	90
400	Divergent Effectiveness of Multispecies Probiotic Preparations on Intestinal Microbiota Structure Depends on Metabolic Properties. <i>Nutrients</i> , 2019, 11, 325.	1.7	32
401	Dietary Intake of <i>Pleurotus eryngii</i> Ameliorated Dextranâ€Sodiumâ€Sulfateâ€Induced Colitis in Mice. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801265.	1.5	54
402	Role for diet in normal gut barrier function: developing guidance within the framework of food-labeling regulations. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G17-G39.	1.6	60
403	<i>Caulerpa lentillifera</i> polysaccharides enhance the immunostimulatory activity in immunosuppressed mice in correlation with modulating gut microbiota. <i>Food and Function</i> , 2019, 10, 4315-4329.	2.1	63
404	Changes in the gut microbiome and fermentation products concurrent with enhanced longevity in acarbose-treated mice. <i>BMC Microbiology</i> , 2019, 19, 130.	1.3	218
405	Precision Medicine in Cancer Therapy. <i>Cancer Treatment and Research</i> , 2019, , .	0.2	4
406	The path toward using microbial metabolites as therapies. <i>EBioMedicine</i> , 2019, 44, 747-754.	2.7	67
407	Baicalin improves intestinal microecology and abnormal metabolism induced by high-fat diet. <i>European Journal of Pharmacology</i> , 2019, 857, 172457.	1.7	50
408	Dietary Nutrients Mediate Intestinal Host Defense Peptide Expression. <i>Advances in Nutrition</i> , 2020, 11, 92-102.	2.9	49
409	Modulation of Growth Performance and Intestinal Microbiota in Chickens Fed Plant Extracts or Virginiamycin. <i>Frontiers in Microbiology</i> , 2019, 10, 1333.	1.5	47
410	Human Microbiota and Personalized Cancer Treatments: Role of Commensal Microbes in Treatment Outcomes for Cancer Patients. <i>Cancer Treatment and Research</i> , 2019, 178, 253-264.	0.2	21
411	Gut microbiota determines the prevention effects of <i>Luffa cylindrica</i> (L.) Roem supplementation against obesity and associated metabolic disorders induced by high-fat diet. <i>FASEB Journal</i> , 2019, 33, 10339-10352.	0.2	47
412	A Review on Role of Microbiome in Obesity and Antiobesity Properties of Probiotic Supplements. <i>BioMed Research International</i> , 2019, 2019, 1-20.	0.9	83
413	Antibiotic-induced decreases in the levels of microbial-derived short-chain fatty acids correlate with increased gastrointestinal colonization of <i>Candida albicans</i> . <i>Scientific Reports</i> , 2019, 9, 8872.	1.6	89
414	Bidirectional regulatory potentials of short-chain fatty acids and their G-protein-coupled receptors in autoimmune neuroinflammation. <i>Scientific Reports</i> , 2019, 9, 8837.	1.6	104
415	Research progress in the relationship between type 2 diabetes mellitus and intestinal flora. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109138.	2.5	205

#	ARTICLE	IF	CITATIONS
416	In-feed bacitracin methylene disalicylate modulates the turkey microbiota and metabolome in a dose-dependent manner. <i>Scientific Reports</i> , 2019, 9, 8212.	1.6	28
417	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
418	Surveying Gut Microbiome Research in Africans: Toward Improved Diversity and Representation. <i>Trends in Microbiology</i> , 2019, 27, 824-835.	3.5	51
419	In vitro fermentation of Î²-carrageenan oligosaccharides by human gut microbiota and its inflammatory effect on HT29 cells. <i>Journal of Functional Foods</i> , 2019, 59, 80-91.	1.6	57
420	Characterization of ocular and nasopharyngeal microbiome in allergic rhinoconjunctivitis. <i>Pediatric Allergy and Immunology</i> , 2019, 30, 624-631.	1.1	34
421	The Promoting Effect of Gut Microbiota on Growth and Development of Red Palm Weevil, <i>Rhynchophorus ferrugineus</i> (Olivier) (Coleoptera: Dryophthoridae) by Modulating Its Nutritional Metabolism. <i>Frontiers in Microbiology</i> , 2019, 10, 1212.	1.5	59
422	Effects of probiotic lactic acid bacteria on growth performance, carcass characteristics, hematological indices, humoral immunity, and IGF-I gene expression in broiler chicken. <i>Tropical Animal Health and Production</i> , 2019, 51, 2279-2286.	0.5	20
423	Targeting Carbohydrates and Polyphenols for a Healthy Microbiome and Healthy Weight. <i>Current Nutrition Reports</i> , 2019, 8, 307-316.	2.1	50
424	Effects of aronia berry (poly)phenols on vascular function and gut microbiota: a double-blind randomized controlled trial in adult men. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 316-329.	2.2	87
425	Resistant Starchâ€Supplemented Udon Noodles Prevent Impaired Glucose Tolerance and Induce Intestinal Immunoglobulinâ€A Secretion in Mice. <i>Starch/Staerke</i> , 2019, 71, 1900042.	1.1	4
426	New Approaches to Microbiome-Based Therapies. <i>MSystems</i> , 2019, 4, .	1.7	81
427	The Not-so-Sterile Womb: Evidence That the Human Fetus Is Exposed to Bacteria Prior to Birth. <i>Frontiers in Microbiology</i> , 2019, 10, 1124.	1.5	266
428	<i>Lactobacillus acidophilus</i> DDS-1 Modulates Intestinal-Specific Microbiota, Short-Chain Fatty Acid and Immunological Profiles in Aging Mice. <i>Nutrients</i> , 2019, 11, 1297.	1.7	57
429	Structural analysis of broiler chicken small intestinal mucin O-glycan modification by <i>Clostridium perfringens</i> . <i>Poultry Science</i> , 2019, 98, 5074-5088.	1.5	19
430	Pectin reduces environmental pollutant-induced obesity in mice through regulating gut microbiota: A case study of p,pâ€-DDE. <i>Environment International</i> , 2019, 130, 104861.	4.8	35
431	Health promoting activities of probiotics. <i>Journal of Food Biochemistry</i> , 2019, 43, e12944.	1.2	33
432	Effects of maternal 25-hydroxycholecalciferol on nutrient digestibility, milk composition and fatty-acid profile of lactating sows and gut bacterial metabolites in the hindgut of suckling piglets. <i>Archives of Animal Nutrition</i> , 2019, 73, 271-286.	0.9	17
433	Macronutrient metabolism by the human gut microbiome: major fermentation by-products and their impact on host health. <i>Microbiome</i> , 2019, 7, 91.	4.9	708

#	ARTICLE	IF	CITATIONS
434	Perspective: Advancing Understanding of Population Nutrient–Health Relations via Metabolomics and Precision Phenotypes. <i>Advances in Nutrition</i> , 2019, 10, 944-952.	2.9	14
435	Microbial Poly-3-Hydroxybutyrate (PHB) as a Feed Additive for Fishes and Piglets. <i>Biotechnology Journal</i> , 2019, 14, e1900132.	1.8	21
436	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
437	The role of short-chain fatty acids in microbiota–gut–brain communication. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 461-478.	8.2	1,519
438	A meta-analysis of the bovine gastrointestinal tract microbiota. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	91
439	Gut Microbiome Alterations During HIV/SIV Infection: Implications for HIV Cure. <i>Frontiers in Microbiology</i> , 2019, 10, 1104.	1.5	52
440	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
441	Effects of dietary mixed probiotics on growth, non-specific immunity, intestinal morphology and microbiota of juvenile pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2019, 90, 456-465.	1.6	74
442	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
443	Modulating effects of polysaccharides from the fruits of <i>Lycium barbarum</i> on the immune response and gut microbiota in cyclophosphamide-treated mice. <i>Food and Function</i> , 2019, 10, 3671-3683.	2.1	148
444	Faecal microbiota changes associated with the moult fast in chinstrap and gentoo penguins. <i>PLoS ONE</i> , 2019, 14, e0216565.	1.1	8
445	Perspective: Physiologic Importance of Short-Chain Fatty Acids from Nondigestible Carbohydrate Fermentation. <i>Advances in Nutrition</i> , 2019, 10, 576-589.	2.9	141
446	Multi-Omic Analysis of the Microbiome and Metabolome in Healthy Subjects Reveals Microbiome-Dependent Relationships Between Diet and Metabolites. <i>Frontiers in Genetics</i> , 2019, 10, 454.	1.1	104
447	Implications of the Westernized Diet in the Onset and Progression of IBD. <i>Nutrients</i> , 2019, 11, 1033.	1.7	142
448	The microbiome: toward preventing allergies and asthma by nutritional intervention. <i>Current Opinion in Immunology</i> , 2019, 60, 10-18.	2.4	14
449	Extruded sorghum (<i>Sorghum bicolor</i> L.) improves gut microbiota, reduces inflammation, and oxidative stress in obese rats fed a high-fat diet. <i>Journal of Functional Foods</i> , 2019, 58, 282-291.	1.6	29
450	Degradation of fibres from fruit by-products allows selective modulation of the gut bacteria in an in vitro model of the proximal colon. <i>Journal of Functional Foods</i> , 2019, 57, 275-285.	1.6	24
451	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

#	ARTICLE	IF	CITATIONS
452	Diversity and community of methanogens in the large intestine of finishing pigs. <i>BMC Microbiology</i> , 2019, 19, 83.	1.3	16
453	Acetate metabolic requirement of avian pathogenic <i>Escherichia coli</i> promotes its intracellular proliferation within macrophage. <i>Veterinary Research</i> , 2019, 50, 31.	1.1	26
454	Comparative analysis of prebiotic effects of seaweed polysaccharides laminaran, porphyran, and ulvan using in vitro human fecal fermentation. <i>Journal of Functional Foods</i> , 2019, 57, 408-416.	1.6	65
455	Changes in the intestine microbial, digestion and immunity of <i>Litopenaeus vannamei</i> in response to dietary resistant starch. <i>Scientific Reports</i> , 2019, 9, 6464.	1.6	50
456	Probiotic <i>Bifidobacterium lactis</i> V9 Regulates the Secretion of Sex Hormones in Polycystic Ovary Syndrome Patients through the Gut-Brain Axis. <i>MSystems</i> , 2019, 4, .	1.7	157
457	Butyrate Protects Mice from <i>Clostridium difficile</i> -Induced Colitis through an HIF-1-Dependent Mechanism. <i>Cell Reports</i> , 2019, 27, 750-761.e7.	2.9	212
458	Fiber-rich foods affected gut bacterial community and short-chain fatty acids production in pig model. <i>Journal of Functional Foods</i> , 2019, 57, 266-274.	1.6	50
459	Curcumin and Intestinal Inflammatory Diseases: Molecular Mechanisms of Protection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1912.	1.8	98
460	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
461	The microbiome and cognitive aging: a review of mechanisms. <i>Psychopharmacology</i> , 2019, 236, 1559-1571.	1.5	35
462	Amelioration of obesity-related biomarkers by <i>Lactobacillus sakei</i> CJLS03 in a high-fat diet-induced obese murine model. <i>Scientific Reports</i> , 2019, 9, 6821.	1.6	33
463	Effects of egg phosphatin on mucosal transcriptional profiles and luminal microbiota composition in murine colon. <i>Food and Function</i> , 2019, 10, 2805-2816.	2.1	9
464	Short-chain fatty acids: Bacterial messengers modulating the immunometabolism of T cells. <i>European Journal of Immunology</i> , 2019, 49, 842-848.	1.6	116
465	Pulses and Prevention and Management of Chronic Disease. , 2019, , 55-72.		6
466	Health Benefits of Pulses. , 2019, , .		3
467	<i>Lactobacillus plantarum</i> KLDS1.0318 Ameliorates Impaired Intestinal Immunity and Metabolic Disorders in Cyclophosphamide-Treated Mice. <i>Frontiers in Microbiology</i> , 2019, 10, 731.	1.5	28
468	Integrated In Vitro and In Silico Modeling Delineates the Molecular Effects of a Synbiotic Regimen on Colorectal-Cancer-Derived Cells. <i>Cell Reports</i> , 2019, 27, 1621-1632.e9.	2.9	59
469	Gut microbiota and butyrate level changes associated with the long-term administration of proton pump inhibitors to old rats. <i>Scientific Reports</i> , 2019, 9, 6626.	1.6	29

#	ARTICLE	IF	CITATIONS
470	The impacts of natural polysaccharides on intestinal microbiota and immune responses – a review. <i>Food and Function</i> , 2019, 10, 2290-2312.	2.1	157
471	Effects of prebiotic mixtures on growth performance, intestinal microbiota and immune response in juvenile chu's croaker, <i>Nibea coibor</i> . <i>Fish and Shellfish Immunology</i> , 2019, 89, 564-573.	1.6	36
472	Gut microbiome interventions in human health and diseases. <i>Medicinal Research Reviews</i> , 2019, 39, 2286-2313.	5.0	52
473	Gut Microbiota Regulation of T Cells During Inflammation and Autoimmunity. <i>Annual Review of Immunology</i> , 2019, 37, 599-624.	9.5	214
474	Effects of single and combined toxic exposures on the gut microbiome: Current knowledge and future directions. <i>Toxicology Letters</i> , 2019, 312, 72-97.	0.4	106
475	Decreased plasma serotonin and other metabolite changes in healthy adults after consumption of wholegrain rye: an untargeted metabolomics study. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1630-1639.	2.2	23
476	Alterations in the gut microbiome and metabolism with coronary artery disease severity. <i>Microbiome</i> , 2019, 7, 68.	4.9	212
477	The Gut Microbiome Signatures Discriminate Healthy From Pulmonary Tuberculosis Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 90.	1.8	89
478	Crosstalk between gut microbiota and antidiabetic drug action. <i>World Journal of Diabetes</i> , 2019, 10, 154-168.	1.3	61
479	Cross talk between neutrophils and the microbiota. <i>Blood</i> , 2019, 133, 2168-2177.	0.6	87
480	Human milk oligosaccharides promote immune tolerance via direct interactions with human dendritic cells. <i>European Journal of Immunology</i> , 2019, 49, 1001-1014.	1.6	63
481	<i>Akkermansia muciniphila</i> ameliorates the age-related decline in colonic mucus thickness and attenuates immune activation in accelerated aging <i>Ercc1^{+/+}/p7</i> mice. <i>Immunity and Ageing</i> , 2019, 16, 6.	1.8	130
482	Benefits of tree nut consumption on aging and age-related diseases: Mechanisms of actions. <i>Trends in Food Science and Technology</i> , 2019, 88, 104-120.	7.8	35
483	The Effect of Inulin on Lifespan, Related Gene Expression and Gut Microbiota in <i>InRp5545/TM3</i> Mutant <i>Drosophila melanogaster</i> : A Preliminary Study. <i>Nutrients</i> , 2019, 11, 636.	1.7	12
484	Role of SCFAs in gut microbiome and glycolysis for colorectal cancer therapy. <i>Journal of Cellular Physiology</i> , 2019, 234, 17023-17049.	2.0	116
485	Microbial catabolism of <i>Porphyra haitanensis</i> polysaccharides by human gut microbiota. <i>Food Chemistry</i> , 2019, 289, 177-186.	4.2	98
486	Regulatory T cell adaptation in the intestine and skin. <i>Nature Immunology</i> , 2019, 20, 386-396.	7.0	128
487	Epidemiology, Pathophysiology, and Treatment of Diverticulitis. <i>Gastroenterology</i> , 2019, 156, 1282-1298.e1.	0.6	231

#	ARTICLE	IF	CITATIONS
488	Microbe-metabolite-host axis, two-way action in the pathogenesis and treatment of human autoimmunity. <i>Autoimmunity Reviews</i> , 2019, 18, 455-475.	2.5	37
489	Dietary fibers as emerging nutritional factors against diabetes: focus on the involvement of gut microbiota. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 524-540.	5.1	36
490	Impact of microbiota on central nervous system and neurological diseases: the gut-brain axis. <i>Journal of Neuroinflammation</i> , 2019, 16, 53.	3.1	446
491	Efficient Extraction from Mice Feces for NMR Metabolomics Measurements with Special Emphasis on SCFAs. <i>Metabolites</i> , 2019, 9, 55.	1.3	8
492	Simplified Intestinal Microbiota to Study Microbe-Diet-Host Interactions in a Mouse Model. <i>Cell Reports</i> , 2019, 26, 3772-3783.e6.	2.9	61
493	Alteration of gut microbiota induced by DPP-4i treatment improves glucose homeostasis. <i>EBioMedicine</i> , 2019, 44, 665-674.	2.7	66
494	Similarly in depression, nuances of gut microbiota: Evidences from a shotgun metagenomics sequencing study on major depressive disorder versus bipolar disorder with current major depressive episode patients. <i>Journal of Psychiatric Research</i> , 2019, 113, 90-99.	1.5	111
495	Faecal microbiota from patients with cirrhosis has a low capacity to ferment non-digestible carbohydrates into short-chain fatty acids. <i>Liver International</i> , 2019, 39, 1437-1447.	1.9	91
496	Precarious Symbiosis Between Host and Microbiome in Cardiovascular Health. <i>Hypertension</i> , 2019, 73, 926-935.	1.3	10
497	Dietary fiber sources and human benefits: The case study of cereal and pseudocereals. <i>Advances in Food and Nutrition Research</i> , 2019, 90, 83-134.	1.5	79
498	Impaired Spatial Cognition in Adult Rats Treated with Multiple Intracerebroventricular (ICV) Infusions of the Enteric Bacterial Metabolite, Propionic Acid, and Return to Baseline After 1 Week of No Treatment: Contribution to a Rodent Model of ASD. <i>Neurotoxicity Research</i> , 2019, 35, 823-837.	1.3	18
499	Microbiome, Parkinson's Disease and Molecular Mimicry. <i>Cells</i> , 2019, 8, 222.	1.8	56
500	The protective role of virgin coconut oil on the alloxan-induced oxidative stress in the liver, kidneys and heart of diabetic rats. <i>Food and Function</i> , 2019, 10, 2114-2124.	2.1	15
501	The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review. <i>Frontiers in Nutrition</i> , 2019, 6, 33.	1.6	93
502	In vitro large intestine fermentation of gluten-free rice cookies containing alfalfa seed (Medicago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 120, 312-321.	2.9	35
503	Secondary Bile Acids and Short Chain Fatty Acids in the Colon: A Focus on Colonic Microbiome, Cell Proliferation, Inflammation, and Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1214.	1.8	270
504	Targeting host-microbe interaction in the mucus layer: a potential treatment option for diseases. <i>Gastroenterology Report</i> , 2019, 7, 1-2.	0.6	1
505	Sensing between reactions—how the metabolic microenvironment shapes immunity. <i>Clinical and Experimental Immunology</i> , 2019, 197, 161-169.	1.1	9

#	ARTICLE	IF	CITATIONS
506	Engineering and Health Benefits of Fruits and Vegetables Beverages. , 2019, , 363-405.		3
507	Beneficial effects of high-fiber diet on the expression and level of intercellular adhesion molecule-1 of hypercholesterolemia rats. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2019, 12, 305-313.	0.2	0
508	Overuse of antianaerobic drug is associated with poor postchemotherapy prognosis of patients with hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2019, 145, 2701-2711.	2.3	25
509	Digestion, absorption, metabolism, and physiological effects of lactose. , 2019, , 49-111.		2
510	Microbes, metabolites, and the gut-lung axis. <i>Mucosal Immunology</i> , 2019, 12, 843-850.	2.7	540
511	A potential role for the gut microbiome in substance use disorders. <i>Psychopharmacology</i> , 2019, 236, 1513-1530.	1.5	110
512	Synbiotic Supplementation Containing Whole Plant Sugar Cane Fibre and Probiotic Spores Potentiates Protective Synergistic Effects in Mouse Model of IBD. <i>Nutrients</i> , 2019, 11, 818.	1.7	62
513	Stable isotope labeling combined with liquid chromatography-tandem mass spectrometry for comprehensive analysis of short-chain fatty acids. <i>Analytica Chimica Acta</i> , 2019, 1070, 51-59.	2.6	43
514	Gut microbiota: An underestimated and unintended recipient for pesticide-induced toxicity. <i>Chemosphere</i> , 2019, 227, 425-434.	4.2	131
515	The Effects of Vegetarian and Vegan Diets on Gut Microbiota. <i>Frontiers in Nutrition</i> , 2019, 6, 47.	1.6	389
516	Fermented <i>Momordica charantia</i> L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats. <i>Food Research International</i> , 2019, 121, 367-378.	2.9	55
517	Pharmacologic and Nonpharmacologic Therapies for the Gut Microbiota in Type 2 Diabetes. <i>Canadian Journal of Diabetes</i> , 2019, 43, 224-231.	0.4	43
518	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
520	Modulation of Food Allergy by Bioactive Natural Compounds and Development of Functional Foods. , 2019, , 147-177.		0
521	Crude fiber modulates the fecal microbiome and steroid hormones in pregnant Meishan sows. <i>General and Comparative Endocrinology</i> , 2019, 277, 141-147.	0.8	33
522	Quantification of Fecal Short Chain Fatty Acids by Liquid Chromatography Tandem Mass Spectrometry—Investigation of Pre-Analytic Stability. <i>Biomolecules</i> , 2019, 9, 121.	1.8	68
523	Gut microbiome and microbial metabolites: a new system affecting metabolic disorders. <i>Journal of Endocrinological Investigation</i> , 2019, 42, 1011-1018.	1.8	31
524	Bacterial viability in faecal transplants: Which bacteria survive?. <i>EBioMedicine</i> , 2019, 41, 509-516.	2.7	84

#	ARTICLE	IF	CITATIONS
525	Changes in the intestine barrier function of <i>Litopenaeus vannamei</i> in response to pH stress. <i>Fish and Shellfish Immunology</i> , 2019, 88, 142-149.	1.6	40
526	Targeted metabolomics for the quantitative measurement of 9 gut microbiota "host co-metabolites in rat serum, urine and feces by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1110-1111, 133-143.	1.2	11
527	In vitro fermentation of novel microwave-synthesized non-digestible oligosaccharides and their impact on the composition and metabolites of human gut microbiota. <i>Journal of Functional Foods</i> , 2019, 55, 156-166.	1.6	26
528	Prebiotics " an added benefit of some fibre types. <i>Nutrition Bulletin</i> , 2019, 44, 74-91.	0.8	36
529	Fight them or feed them: how the intestinal mucus layer manages the gut microbiota. <i>Gastroenterology Report</i> , 2019, 7, 3-12.	0.6	318
530	Gut Microbiota-Derived Mediators as Potential Markers in Nonalcoholic Fatty Liver Disease. <i>BioMed Research International</i> , 2019, 2019, 1-10.	0.9	37
531	Intestinal Microbiota as a Host Defense Mechanism to Infectious Threats. <i>Frontiers in Microbiology</i> , 2018, 9, 3328.	1.5	101
532	The short-chain fatty acid pentanoate suppresses autoimmunity by modulating the metabolic-epigenetic crosstalk in lymphocytes. <i>Nature Communications</i> , 2019, 10, 760.	5.8	275
533	Effect of <i>Dandelion root extract</i> on growth performance, immune function and bacterial community in weaned pigs. <i>Food and Agricultural Immunology</i> , 2019, 30, 95-111.	0.7	15
534	Comparative analysis of the gut microbiota in centenarians and young adults shows a common signature across genotypically non-related populations. <i>Mechanisms of Ageing and Development</i> , 2019, 179, 23-35.	2.2	59
535	Synbiotic-driven improvement of metabolic disturbances is associated with changes in the gut microbiome in diet-induced obese mice. <i>Molecular Metabolism</i> , 2019, 22, 96-109.	3.0	102
536	Green tea extract prevents obesity in male mice by alleviating gut dysbiosis in association with improved intestinal barrier function that limits endotoxin translocation and adipose inflammation. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 78-89.	1.9	104
537	<i>Lactobacillus johnsonii</i> L531 reduces pathogen load and helps maintain short-chain fatty acid levels in the intestines of pigs challenged with <i>Salmonella enterica</i> Infantis. <i>Veterinary Microbiology</i> , 2019, 230, 187-194.	0.8	73
538	Faecal bacterial and short-chain fatty acids signature in hypercholesterolemia. <i>Scientific Reports</i> , 2019, 9, 1772.	1.6	135
539	Butyrate Enhances Desensitization Induced by Oral Immunotherapy in Cow's Milk Allergic Mice. <i>Mediators of Inflammation</i> , 2019, 2019, 1-12.	1.4	24
540	Dietary Short Chain Fatty Acids: How the Gut Microbiota Fight Against Autoimmune and Inflammatory Diseases. , 2019, , 139-159.		5
541	Regulation of Immune Cell Function by Short Chain Fatty Acids and Their Impact on Arthritis. , 2019, , 175-188.		3
542	Deciphering the Colorectal Cancer Gut Microbiota: Association vs. Causality. <i>Current Colorectal Cancer Reports</i> , 2019, 15, 70-77.	1.0	6

#	ARTICLE	IF	CITATIONS
543	Using herbal medicine to target the "microbiota-metabolism-immunity" axis as possible therapy for cardiovascular disease. <i>Pharmacological Research</i> , 2019, 142, 205-222.	3.1	27
544	Review article: dietary fibre in the era of microbiome science. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 506-515.	1.9	97
545	The Glucoamylase Inhibitor Acarbose Has a Diet-Dependent and Reversible Effect on the Murine Gut Microbiome. <i>MSphere</i> , 2019, 4, .	1.3	68
546	Cashew apple fiber prevents high fat diet-induced obesity in mice: an NMR metabolomic evaluation. <i>Food and Function</i> , 2019, 10, 1671-1683.	2.1	28
547	Chapter 17 Fibre and fibre breakdown products as microbial and immune defence modulators. , 2019, , 297-311.		0
548	Chapter 18 Cross-feeding during human colon fermentation. , 2019, , 313-338.		1
549	Health effects and potential mode of action of papaya (<i>Carica papaya</i> L.) bioactive chemicals. <i>Acta Horticulturae</i> , 2019, , 197-208.	0.1	1
550	Chemometrics-Based TLC and GC-MS for Small Molecule Analysis: A Practical Guide. , 2019, , .		1
551	Outlier Detection for Minor Compositional Variations in Taxonomic Abundance Data. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1355.	1.3	3
552	Effects of metformin, acarbose, and sitagliptin monotherapy on gut microbiota in Zucker diabetic fatty rats. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000717.	1.2	64
553	Baicalin Protects Against Hypertension-Associated Intestinal Barrier Impairment in Part Through Enhanced Microbial Production of Short-Chain Fatty Acids. <i>Frontiers in Pharmacology</i> , 2019, 10, 1271.	1.6	42
554	The Role of Gut-Derived Microbial Antigens on Liver Fibrosis Initiation and Progression. <i>Cells</i> , 2019, 8, 1324.	1.8	39
555	Inflammaging as a common ground for the development and maintenance of sarcopenia, obesity, cardiomyopathy and dysbiosis. <i>Ageing Research Reviews</i> , 2019, 56, 100980.	5.0	107
556	Role and Effective Therapeutic Target of Gut Microbiota in Heart Failure. <i>Cardiovascular Therapeutics</i> , 2019, 2019, 1-10.	1.1	65
557	Fish Oil Is More Potent than Flaxseed Oil in Modulating Gut Microbiota and Reducing Trimethylamine-N-oxide-Exacerbated Atherogenesis. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13635-13647.	2.4	31
558	Photoperiod modulates the gut microbiome and aggressive behavior in Siberian hamsters. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	22
559	Relationship between gut microbiota and circulating metabolites in population-based cohorts. <i>Nature Communications</i> , 2019, 10, 5813.	5.8	168
560	The Gut Microbiota in Cardiovascular Disease and Arterial Thrombosis. <i>Microorganisms</i> , 2019, 7, 691.	1.6	16

#	ARTICLE	IF	CITATIONS
561	Gut Microbiome and Modulation of <sc>CNS</sc> Function. , 2019, 10, 57-72.		40
562	Depolymerized RG-I-enriched pectin from citrus segment membranes modulates gut microbiota, increases SCFA production, and promotes the growth of <i>Bifidobacterium</i> spp., <i>Lactobacillus</i> spp. and <i>Faecalibaculum</i> spp.. Food and Function, 2019, 10, 7828-7843.	2.1	115
563	Ingestion of <i>Bifidobacterium longum</i> subspecies <i>infantis</i> strain CCFM687 regulated emotional behavior and the central BDNF pathway in chronic stress-induced depressive mice through reshaping the gut microbiota. Food and Function, 2019, 10, 7588-7598.	2.1	60
564	Effective detection of bacteria using metal nanoclusters. Nanoscale, 2019, 11, 22172-22181.	2.8	54
565	Improving Mental Health for the Mother-Infant Dyad by Nutrition and the Maternal Gut Microbiome. Gastroenterology Clinics of North America, 2019, 48, 433-445.	1.0	11
566	Lung Microbiome in Asthma: Current Perspectives. Journal of Clinical Medicine, 2019, 8, 1967.	1.0	51
567	Stability and Fermentability of Green Tea Flavonols in In-Vitro-Simulated Gastrointestinal Digestion and Human Fecal Fermentation. International Journal of Molecular Sciences, 2019, 20, 5890.	1.8	23
568	Effect of <i>Lactobacillus gasseri</i> PA3 on gut microbiota in an in vitro colonic simulation. Food Science and Nutrition, 2019, 7, 3883-3891.	1.5	19
569	The Th17/Treg Cell Balance: A Gut Microbiota-Modulated Story. Microorganisms, 2019, 7, 583.	1.6	80
570	Gaps in knowledge and future directions for the use of faecal microbiota transplant in the treatment of inflammatory bowel disease. Therapeutic Advances in Gastroenterology, 2019, 12, 175628481989103.	1.4	15
571	Mice Microbiota Composition Changes by Inulin Feeding with a Long Fasting Period under a Two-Meals-Per-Day Schedule. Nutrients, 2019, 11, 2802.	1.7	22
572	The Skin and Intestinal Microbiota and Their Specific Innate Immune Systems. Frontiers in Immunology, 2019, 10, 2950.	2.2	63
573	Diet in Parkinson's Disease: Critical Role for the Microbiome. Frontiers in Neurology, 2019, 10, 1245.	1.1	83
574	Intestinal Flora Disruption and Novel Biomarkers Associated With Nasopharyngeal Carcinoma. Frontiers in Oncology, 2019, 9, 1346.	1.3	14
575	Comprehensive and semi-quantitative analysis of carboxyl-containing metabolites related to gut microbiota on chronic kidney disease using 2-picolylamine isotopic labeling LC-MS/MS. Scientific Reports, 2019, 9, 19075.	1.6	22
576	Effect of Short-Term Dietary Intervention and Probiotic Mix Supplementation on the Gut Microbiota of Elderly Obese Women. Nutrients, 2019, 11, 3011.	1.7	47
577	Metagenomics and Faecal Metabolomics Integrative Analysis towards the Impaired Glucose Regulation and Type 2 Diabetes in Uyghur-Related Omics. Journal of Diabetes Research, 2019, 2019, 1-15.	1.0	22
578	Role of intestinal microbiota and metabolites in inflammatory bowel disease. Chinese Medical Journal, 2019, 132, 1610-1614.	0.9	50

#	ARTICLE	IF	CITATIONS
579	Dietary Factors in the Control of Gut Homeostasis, Intestinal Stem Cells, and Colorectal Cancer. <i>Nutrients</i> , 2019, 11, 2936.	1.7	25
580	Prophages in <i>Lactobacillus reuteri</i> Are Associated with Fitness Trade-Offs but Can Increase Competitiveness in the Gut Ecosystem. <i>Applied and Environmental Microbiology</i> , 2019, 86, .	1.4	44
581	Intestinal IgA Regulates Expression of a Fructan Polysaccharide Utilization Locus in Colonizing Gut Commensal <i>Bacteroides thetaiotaomicron</i> . <i>MBio</i> , 2019, 10, .	1.8	31
582	Differential effects of psychotropic drugs on microbiome composition and gastrointestinal function. <i>Psychopharmacology</i> , 2019, 236, 1671-1685.	1.5	170
583	Metagenomic insights into the structure and function of intestinal microbiota of the farmed Pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Aquaculture</i> , 2019, 499, 109-118.	1.7	69
584	Determination of total, free and esterified short-chain fatty acid in human serum by liquid chromatography-mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2019, 56, 190-197.	0.8	19
585	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
586	Short-Chain Fatty Acid Propionate Protects From Hypertensive Cardiovascular Damage. <i>Circulation</i> , 2019, 139, 1407-1421.	1.6	452
587	Nondigestible carbohydrates, butyrate, and butyrate-producing bacteria. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, S130-S152.	5.4	271
588	The Role of Succinate in the Regulation of Intestinal Inflammation. <i>Nutrients</i> , 2019, 11, 25.	1.7	183
589	Branched Short-Chain Fatty Acid Isovaleric Acid Causes Colonic Smooth Muscle Relaxation via cAMP/PKA Pathway. <i>Digestive Diseases and Sciences</i> , 2019, 64, 1171-1181.	1.1	41
590	Impact of gut microbiota on gut distal autoimmunity: a focus on T cells. <i>Immunology</i> , 2019, 156, 305-318.	2.0	38
591	Microbial fermentation of flaxseed fibers modulates the transcriptome of GPR41-expressing enteroendocrine cells and protects mice against diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E453-E463.	1.8	29
592	In vitro digestion under simulated saliva, gastric and small intestinal conditions and fermentation by human gut microbiota of polysaccharides from the fruits of <i>Lycium barbarum</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 125, 751-760.	3.6	174
593	Partial replacement of meat by sugar cane fibre: cooking characteristics, sensory properties of beef burgers and <i>in vitro</i> fermentation of sugar cane fibre. <i>International Journal of Food Science and Technology</i> , 2019, 54, 1760-1768.	1.3	13
594	Pathobiont release from dysbiotic gut microbiota biofilms in intestinal inflammatory diseases: a role for iron?. <i>Journal of Biomedical Science</i> , 2019, 26, 1.	2.6	204
595	Microbiota and Food Allergy. <i>Clinical Reviews in Allergy and Immunology</i> , 2019, 57, 83-97.	2.9	98
596	A Diet-Sensitive Commensal <i>Lactobacillus</i> Strain Mediates TLR7-Dependent Systemic Autoimmunity. <i>Cell Host and Microbe</i> , 2019, 25, 113-127.e6.	5.1	210

#	ARTICLE	IF	CITATIONS
597	Response of Colonic Mucosa-Associated Microbiota Composition, Mucosal Immune Homeostasis, and Barrier Function to Early Life Galactooligosaccharides Intervention in Suckling Piglets. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 578-588.	2.4	60
598	Dietary compounds and traditional Chinese medicine ameliorate type 2 diabetes by modulating gut microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 848-863.	5.4	132
599	Early-onset inflammatory bowel disease as a model disease to identify key regulators of immune homeostasis mechanisms. <i>Immunological Reviews</i> , 2019, 287, 162-185.	2.8	60
600	Influence of inulin rich carbohydrates from Jerusalem artichoke (<i>Helianthus tuberosus</i> L.) tubers on probiotic properties of <i>Lactobacillus</i> strains. <i>LWT - Food Science and Technology</i> , 2019, 101, 738-746.	2.5	47
601	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
602	Environmental pollutant-mediated disruption of gut microbial metabolism of the prebiotic inulin. <i>Anaerobe</i> , 2019, 55, 96-102.	1.0	16
603	Berberine alleviates insulin resistance by reducing peripheral branched-chain amino acids. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E73-E85.	1.8	93
604	SPG-56 from Sweet potato Zhongshu-1 delayed growth of tumor xenografts in nude mice by modulating gut microbiota. <i>Journal of Functional Foods</i> , 2019, 52, 291-301.	1.6	0
605	Impact of dietary fiber supplementation on modulating microbiota-host metabolic axes in obesity. <i>Journal of Nutritional Biochemistry</i> , 2019, 64, 228-236.	1.9	88
606	Tea Polysaccharides as Potential Therapeutic Options for Metabolic Diseases. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5350-5360.	2.4	48
607	Microbiome yarns: The Global Phenotype-Genotype Survey. <i>Microbial Biotechnology</i> , 2019, 12, 11-24.	2.0	1
608	Impact of Gut Microbiota on Host Glycemic Control. <i>Frontiers in Endocrinology</i> , 2019, 10, 29.	1.5	133
609	Microbial and metabolic alterations in gut microbiota of sows during pregnancy and lactation. <i>FASEB Journal</i> , 2019, 33, 4490-4501.	0.2	68
610	The addition of cactus flour (<i>Opuntia ficus indica</i>) to the Western-style diet attenuates the onset of metabolic disorders in rats. <i>Nutrition and Food Science</i> , 2019, 49, 564-579.	0.4	2
611	Cross-Domain and Viral Interactions in the Microbiome. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	95
612	Dietary Fructose and Microbiota-Derived Short-Chain Fatty Acids Promote Bacteriophage Production in the Gut Symbiont <i>Lactobacillus reuteri</i> . <i>Cell Host and Microbe</i> , 2019, 25, 273-284.e6.	5.1	126
613	Precision dietary supplementation based on personal gut microbiota. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 204-206.	8.2	9
614	Probiotics improve gut microbiota dysbiosis in obese mice fed a high-fat or high-sucrose diet. <i>Nutrition</i> , 2019, 60, 175-184.	1.1	326

#	ARTICLE	IF	CITATIONS
615	Relationship Between Oligosaccharides and Glycoconjugates Content in Human Milk and the Development of the Gut Barrier. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 121-139.	5.9	20
616	Utilisation of dietary fibre (non-starch polysaccharide and resistant starch) molecules for diarrhoea therapy: A mini-review. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 572-577.	3.6	24
617	Response of intestinal metabolome to polysaccharides from mycelia of <i>Ganoderma lucidum</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 122, 723-731.	3.6	34
618	Importance of functional food compounds in cardioprotection through action on the epigenome. <i>European Heart Journal</i> , 2019, 40, 575-582.	1.0	47
619	In vitro fermentation of O-acetyl-arabinoxylan from bamboo shavings by human colonic microbiota. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 27-34.	3.6	30
620	Antioxidant, intestinal immune status and anti-inflammatory potential of <i>Chenopodium ambrosioides</i> L. in fish: In vitro and in vivo studies. <i>Fish and Shellfish Immunology</i> , 2019, 86, 420-428.	1.6	47
621	<i>Lycium ruthenicum</i> diet alters the gut microbiota and partially enhances gut barrier function in male C57BL/6 mice. <i>Journal of Functional Foods</i> , 2019, 52, 516-528.	1.6	38
622	Sex Differences in Pulmonary Responses to Ozone in Mice. Role of the Microbiome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 198-208.	1.4	49
623	You are what you eat: diet, health and the gut microbiota. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 35-56.	8.2	980
624	Systemic Treatment with the Enteric Bacterial Fermentation Product, Propionic Acid, Reduces Acoustic Startle Response Magnitude in Rats in a Dose-Dependent Fashion: Contribution to a Rodent Model of ASD. <i>Neurotoxicity Research</i> , 2019, 35, 353-359.	1.3	15
625	The contribution of the gut microbiome to neurodevelopment and neuropsychiatric disorders. <i>Pediatric Research</i> , 2019, 85, 216-224.	1.1	104
626	A Proinflammatory Gut Microbiota Increases Systemic Inflammation and Accelerates Atherosclerosis. <i>Circulation Research</i> , 2019, 124, 94-100.	2.0	226
627	Oral Administration of Compound Probiotics Ameliorates HFD-Induced Gut Microbe Dysbiosis and Chronic Metabolic Inflammation via the G Protein-Coupled Receptor 43 in Non-alcoholic Fatty Liver Disease Rats. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 175-185.	1.9	87
628	Progress and perspectives of short-chain fatty acids in aquaculture. <i>Reviews in Aquaculture</i> , 2020, 12, 283-298.	4.6	104
629	Reduced meal frequency alleviates high-fat diet-induced lipid accumulation and inflammation in adipose tissue of pigs under the circumstance of fixed feed allowance. <i>European Journal of Nutrition</i> , 2020, 59, 595-608.	1.8	34
630	Water-soluble dietary fibers enhance bioavailability of quercetin and a fiber derived from soybean is most effective after long-term feeding in rats. <i>European Journal of Nutrition</i> , 2020, 59, 1389-1398.	1.8	15
631	Alterations of gut microbiome in autoimmune hepatitis. <i>Gut</i> , 2020, 69, 569-577.	6.1	212
632	Natural Tannin Wood Extracts as a Potential Food Ingredient in the Food Industry. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2836-2848.	2.4	52

#	ARTICLE	IF	CITATIONS
633	Microbiome and Metabolome Profiles Associated With Different Types of Short Bowel Syndrome: Implications for Treatment. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 105-118.	1.3	24
634	Nutritional interest of dietary fiber and prebiotics in obesity: Lessons from the MyNewGut consortium. <i>Clinical Nutrition</i> , 2020, 39, 414-424.	2.3	77
635	Diet and Environment in Colorectal Cancer Development, Roles of. , 2020, , 33-50.		0
636	A review of dietary and microbial connections to depression, anxiety, and stress. <i>Nutritional Neuroscience</i> , 2020, 23, 237-250.	1.5	105
637	Influence of the Gut Microbiome, Diet, and Environment on Risk of Colorectal Cancer. <i>Gastroenterology</i> , 2020, 158, 322-340.	0.6	408
638	Assessment of gut microbiota fecal metabolites by chromatographic targeted approaches. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112867.	1.4	23
639	Nutritional and dietary strategy in the clinical care of inflammatory bowel disease. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 1742-1749.	0.8	18
640	Effects of Rice with Different Amounts of Resistant Starch on Mice Fed a High-Fat Diet: Attenuation of Adipose Weight Gain. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13046-13055.	2.4	19
641	The gut-liver axis in liver disease: Pathophysiological basis for therapy. <i>Journal of Hepatology</i> , 2020, 72, 558-577.	1.8	935
642	Signaling Natural Products from Human Pathogenic Bacteria. <i>ACS Infectious Diseases</i> , 2020, 6, 25-33.	1.8	8
643	Microbial Contribution to the Human Metabolome: Implications for Health and Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2020, 15, 345-369.	9.6	104
644	Associations of gut microbiota, dietary intake, and serum short-chain fatty acids with fecal short-chain fatty acids. <i>Bioscience of Microbiota, Food and Health</i> , 2020, 39, 11-17.	0.8	37
645	Association of Dietary Fiber and Yogurt Consumption With Lung Cancer Risk. <i>JAMA Oncology</i> , 2020, 6, e194107.	3.4	67
646	Plasma cytokine levels in patients with chronic alcohol overconsumption: Relations to gut microbiota markers and clinical correlates. <i>Alcohol</i> , 2020, 85, 35-40.	0.8	19
647	Effects of cadmium on intestinal histology and microbiota in freshwater crayfish (<i>Procambarus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18	4.2	76
648	The intestinal microbiota fuelling metabolic inflammation. <i>Nature Reviews Immunology</i> , 2020, 20, 40-54.	10.6	573
649	Gut Microbiota Dysbiosis Enhances Migraine-Like Pain Via TNF α Upregulation. <i>Molecular Neurobiology</i> , 2020, 57, 461-468.	1.9	52
650	Targeting the Enteric Nervous System to Treat Metabolic Disorders? â€œEnterosynesâ€ as Therapeutic Gut Factors. <i>Neuroendocrinology</i> , 2020, 110, 139-146.	1.2	30

#	ARTICLE	IF	CITATIONS
651	Links between the gut microbiota, metabolism, and host behavior. <i>Gut Microbes</i> , 2020, 11, 245-248.	4.3	20
652	IL-13 mRNA Tissue Content Identifies Two Subsets of Adult Ulcerative Colitis Patients With Different Clinical and Mucosa-Associated Microbiota Profiles. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 369-380.	0.6	25
653	Free Fatty Acid Receptors in Health and Disease. <i>Physiological Reviews</i> , 2020, 100, 171-210.	13.1	502
654	Rapid Detection of Short-Chain Fatty Acids in Biological Samples. <i>Chromatographia</i> , 2020, 83, 305-310.	0.7	8
655	Effect of dietary cellulose nanofiber and exercise on obesity and gut microbiota in mice fed a high-fat-diet. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 613-620.	0.6	31
656	Synergistic anti-colon cancer effect of glycyrol and butyrate is associated with the enhanced activation of caspase-3 and structural features of glycyrol. <i>Food and Chemical Toxicology</i> , 2020, 136, 110952.	1.8	16
657	A Fast and Accurate Way to Determine Short Chain Fatty Acids in Human Serum by GC-MS and Their Distribution in Children with Digestive Diseases. <i>Chromatographia</i> , 2020, 83, 273-286.	0.7	10
658	In vitro digestibility and prebiotic activities of a sulfated polysaccharide from <i>Gracilaria Lemaneiformis</i> . <i>Journal of Functional Foods</i> , 2020, 64, 103652.	1.6	74
659	Dietary intervention using (1,3)/(1,6)- β -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model. <i>European Journal of Nutrition</i> , 2020, 59, 2617-2629.	1.8	32
660	Microbiota-dependent and -independent effects of dietary fibre on human health. <i>British Journal of Pharmacology</i> , 2020, 177, 1363-1381.	2.7	72
661	Celery cellulose hydrogel as carriers for controlled release of short-chain fatty acid by ultrasound. <i>Food Chemistry</i> , 2020, 309, 125717.	4.2	24
662	Applying mass spectrometry-based assays to explore gut microbial metabolism and associations with disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 719-732.	1.4	13
663	The Gut Microbiota Affects Host Pathophysiology as an Endocrine Organ: A Focus on Cardiovascular Disease. <i>Nutrients</i> , 2020, 12, 79.	1.7	52
664	Microbiota changes in a pediatric acute lymphocytic leukemia mouse model. <i>MicrobiologyOpen</i> , 2020, 9, e982.	1.2	13
665	Beneficial effects of flaxseed polysaccharides on metabolic syndrome via gut microbiota in high-fat diet fed mice. <i>Food Research International</i> , 2020, 131, 108994.	2.9	84
666	The Association of Gut Microbiota With Idiopathic Central Precocious Puberty in Girls. <i>Frontiers in Endocrinology</i> , 2019, 10, 941.	1.5	29
667	Possible beneficial effects of xyloglucan from its degradation by gut microbiota. <i>Trends in Food Science and Technology</i> , 2020, 97, 65-75.	7.8	14
668	Effect of antibiotic-free, low-protein diets with specific amino acid compositions on growth and intestinal flora in weaned pigs. <i>Food and Function</i> , 2020, 11, 493-507.	2.1	22

#	ARTICLE	IF	CITATIONS
669	Spent coffee (<i>Coffea arabica</i> L.) grounds positively modulate indicators of colonic microbial activity. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 60, 102286.	2.7	17
670	Effects of Added Dietary Fiber and Rearing System on the Gut Microbial Diversity and Gut Health of Chickens. <i>Animals</i> , 2020, 10, 107.	1.0	23
671	Composition and functional diversity of fecal bacterial community of wild boar, commercial pig and domestic native pig as revealed by 16S rRNA gene sequencing. <i>Archives of Microbiology</i> , 2020, 202, 843-857.	1.0	19
672	Chromatin dynamics and histone modifications in intestinal microbiota-host crosstalk. <i>Molecular Metabolism</i> , 2020, 38, 100925.	3.0	38
673	Modulation of microbially derived short-chain fatty acids on intestinal homeostasis, metabolism, and neuropsychiatric disorder. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 589-601.	1.7	51
674	Effect of mushroom polysaccharides from <i>Pleurotus eryngii</i> on obesity and gut microbiota in mice fed a high-fat diet. <i>European Journal of Nutrition</i> , 2020, 59, 3231-3244.	1.8	57
675	Ethanol extract of propolis prevents high-fat diet-induced insulin resistance and obesity in association with modulation of gut microbiota in mice. <i>Food Research International</i> , 2020, 130, 108939.	2.9	79
676	<i>Russula alutacea</i> Fr. polysaccharide ameliorates inflammation in both RAW264.7 and zebrafish (<i>Danio rerio</i>) Tj ETQq1 1 0.784314 1gBT /Over 3.6 29	3.6	29
677	Physicochemical Characterization of a Polysaccharide from Green Microalga <i>Chlorella pyrenoidosa</i> and Its Hypolipidemic Activity via Gut Microbiota Regulation in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1186-1197.	2.4	65
678	Fructo-oligosaccharides lower serum lipid levels and suppress high-fat/high-sugar diet-induced inflammation by elevating serum and gut levels of short-chain fatty acids. <i>Journal of International Medical Research</i> , 2020, 48, 030006051989671.	0.4	17
679	Cholestyramine, a Bile Acid Sequestrant, Increases Cecal Short Chain Fatty Acids and Intestinal Immunoglobulin A in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 565-568.	0.6	10
680	Gut Microbiota: A Perspective for Psychiatrists. <i>Neuropsychobiology</i> , 2020, 79, 50-62.	0.9	87
681	Distinct effects of virgin coconut oil supplementation on the glucose and lipid homeostasis in non-diabetic and alloxan-induced diabetic rats. <i>Journal of Functional Foods</i> , 2020, 64, 103601.	1.6	7
682	The gut microbiome in epilepsy. <i>Microbial Pathogenesis</i> , 2020, 139, 103853.	1.3	63
683	<i>Clostridium butyricum</i> , a butyrate-producing probiotic, inhibits intestinal tumor development through modulating Wnt signaling and gut microbiota. <i>Cancer Letters</i> , 2020, 469, 456-467.	3.2	256
684	Freeze-drying enables homogeneous and stable sample preparation for determination of fecal short-chain fatty acids. <i>Analytical Biochemistry</i> , 2020, 589, 113508.	1.1	23
685	Red lentil supplementation reduces the severity of dextran sodium sulfate-induced colitis in C57BL/6 male mice. <i>Journal of Functional Foods</i> , 2020, 64, 103625.	1.6	9
686	Cereal-derived arabinoxylans: Structural features and structure-activity correlations. <i>Trends in Food Science and Technology</i> , 2020, 96, 157-165.	7.8	71

#	ARTICLE	IF	CITATIONS
687	Starch. , 2020, , 1-45.		1
688	Effects of gastrointestinal digested polyphenolic enriched extracts of Chilean currants (<i>Ribes</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 129, 108848.	2.9	13
689	Microbial Signals Link Westernized Diet to Metabolic Inflammation: More Evidence to Resolve Controversies. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 343-344.	2.3	0
690	The impact of dietary fiber and probiotics in infectious diseases. Microbial Pathogenesis, 2020, 140, 103931.	1.3	40
691	Tracing the Anti-inflammatory Mechanism/Triggers of α -D-Glucanase: A Profile Study of Microbiome Composition and mRNA Expression in Diet-induced Obese Mice. Molecular Nutrition and Food Research, 2020, 64, e1900982.	1.5	26
692	Distinct alterations of gut morphology and microbiota characterize accelerated diabetes onset in nonobese diabetic mice. Journal of Biological Chemistry, 2020, 295, 969-980.	1.6	21
693	Quantification of bile acids: a mass spectrometry platform for studying gut microbe connection to metabolic diseases. Journal of Lipid Research, 2020, 61, 159-177.	2.0	42
694	Seaweed and seaweed-derived metabolites as prebiotics. Advances in Food and Nutrition Research, 2020, 91, 97-156.	1.5	31
695	Potential correlation between carbohydrate-active enzyme family 48 expressed by gut microbiota and the expression of intestinal epithelial AMP-activated protein kinase β . Journal of Food Biochemistry, 2020, 44, e13123.	1.2	2
696	Microbiome and hypertension: where are we now?. Journal of Cardiovascular Medicine, 2020, 21, 83-88.	0.6	35
697	Chemical derivatization-based LC-MS/MS method for quantitation of gut microbial short-chain fatty acids. Journal of Industrial and Engineering Chemistry, 2020, 83, 297-302.	2.9	23
698	Effect of fibre sources on performance, serum parameters, intestinal morphology, digestive enzyme activities and microbiota in weaned pigs. Archives of Animal Nutrition, 2020, 74, 121-137.	0.9	18
699	Effect of embryo-remaining oat rice on the lipid profile and intestinal microbiota in high-fat diet fed rats. Food Research International, 2020, 129, 108816.	2.9	17
700	An evaluation of the prebiotic potential of microbial levans from <i>Erwinia</i> sp. 10119. Journal of Functional Foods, 2020, 64, 103668.	1.6	34
701	Prevention and treatment of chronic heart failure through traditional Chinese medicine: Role of the gut microbiota. Pharmacological Research, 2020, 151, 104552.	3.1	62
702	Butyrate protects against high-fat diet-induced atherosclerosis via up-regulating ABCA1 expression in apolipoprotein E deficiency mice. British Journal of Pharmacology, 2020, 177, 1754-1772.	2.7	96
703	Immunological mechanisms underpinning faecal microbiota transplantation for the treatment of inflammatory bowel disease. Clinical and Experimental Immunology, 2019, 199, 24-38.	1.1	40
704	Imbalance in the force: the dark side of the microbiota on stroke risk and progression. Current Opinion in Neurobiology, 2020, 62, 10-16.	2.0	18

#	ARTICLE	IF	CITATIONS
705	Response of intestine microbiota, digestion, and immunity in Pacific white shrimp <i>Litopenaeus vannamei</i> to dietary succinate. <i>Aquaculture</i> , 2020, 517, 734762.	1.7	24
706	Kansuiphorin C and Kansuinin A ameliorate malignant ascites by modulating gut microbiota and related metabolic functions. <i>Journal of Ethnopharmacology</i> , 2020, 249, 112423.	2.0	7
707	Therapeutic administration of the recombinant antimicrobial peptide microcin J25 effectively enhances host defenses against gut inflammation and epithelial barrier injury induced by enterotoxigenic <i>Escherichia coli</i> infection. <i>FASEB Journal</i> , 2020, 34, 1018-1037.	0.2	45
708	<i>Phellinus linteus</i> polysaccharide extract improves insulin resistance by regulating gut microbiota composition. <i>FASEB Journal</i> , 2020, 34, 1065-1078.	0.2	74
709	Breastmilk Lipids and Oligosaccharides Influence Branched Short-Chain Fatty Acid Concentrations in Infants with Excessive Weight Gain. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900977.	1.5	18
710	<i>Bifidobacteria adolescentis</i> regulated immune responses and gut microbial composition to alleviate DNFB-induced atopic dermatitis in mice. <i>European Journal of Nutrition</i> , 2020, 59, 3069-3081.	1.8	29
711	Understanding the nutritional functions of thermally-processed whole grain highland barley in vitro and in vivo. <i>Food Chemistry</i> , 2020, 310, 125979.	4.2	50
712	Gut microbiota as an "invisible organ" that modulates the function of drugs. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109653.	2.5	44
713	Gut Microbiome Fermentation Determines the Efficacy of Exercise for Diabetes Prevention. <i>Cell Metabolism</i> , 2020, 31, 77-91.e5.	7.2	223
714	An orally administered butyrate-releasing xylan derivative reduces inflammation in dextran sulphate sodium-induced murine colitis. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 1217-1233.	3.6	60
715	Comparative Genomics Guides Elucidation of Vitamin B ₁₂ Biosynthesis in Novel Human-Associated <i>Akkermansia</i> Strains. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	48
716	The effect of nitrite and sulfide on the antioxidant capacity and microbial composition of the intestines of red swamp crayfish, <i>Procambarus clarkii</i> . <i>Fish and Shellfish Immunology</i> , 2020, 96, 290-296.	1.6	26
717	Fecal short-chain fatty acids in pregnancy and offspring asthma and allergic outcomes. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1100-1102.e13.	2.0	21
718	What is the collective effect of aging and HIV on the gut microbiome?. <i>Current Opinion in HIV and AIDS</i> , 2020, 15, 94-100.	1.5	11
719	Relationships Between Vitamin D, Gut Microbiome, and Systemic Autoimmunity. <i>Frontiers in Immunology</i> , 2019, 10, 3141.	2.2	121
720	The Structure Features and Improving Effects of Polysaccharide from <i>Astragalus membranaceus</i> on Antibiotic-Associated Diarrhea. <i>Antibiotics</i> , 2020, 9, 8.	1.5	26
721	Host- and Microbiota-Derived Extracellular Vesicles, Immune Function, and Disease Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 107.	1.8	142
722	Cell Wall Integrity of Pulse Modulates the in Vitro Fecal Fermentation Rate and Microbiota Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1091-1100.	2.4	51

#	ARTICLE	IF	CITATIONS
723	B cell-intrinsic epigenetic modulation of antibody responses by dietary fiber-derived short-chain fatty acids. <i>Nature Communications</i> , 2020, 11, 60.	5.8	190
724	Screening of <i>Lactobacillus salivarius</i> strains from the feces of Chinese populations and the evaluation of their effects against intestinal inflammation in mice. <i>Food and Function</i> , 2020, 11, 221-235.	2.1	38
725	Metabolism of short-chain fatty acid propionate induces surface expression of NKG2D ligands on cancer cells. <i>FASEB Journal</i> , 2020, 34, 15531-15546.	0.2	25
726	Single-Arm, Non-randomized, Time Series, Single-Subject Study of Fecal Microbiota Transplantation in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 978.	1.1	48
727	Gut Microbiome and Space Travelers'™ Health: State of the Art and Possible Pro/Prebiotic Strategies for Long-Term Space Missions. <i>Frontiers in Physiology</i> , 2020, 11, 553929.	1.3	56
728	The Fermentation Process Improves the Nutritional Value of Rapeseed Cake for Turkeys'™ Effects on Performance, Gut Bacterial Population and Its Fermentative Activity. <i>Animals</i> , 2020, 10, 1711.	1.0	7
729	Nutritional Targeting of the Microbiome as Potential Therapy for Malnutrition and Chronic Inflammation. <i>Nutrients</i> , 2020, 12, 3032.	1.7	10
730	In Vitro Studies Toward the Use of Chitin as Nutraceutical: Impact on the Intestinal Epithelium, Macrophages, and Microbiota. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000324.	1.5	10
731	<i>Nostoc sphaeroides</i> K ¹ /4tz polysaccharide and powder enrich a core bacterial community on C57BL/6j mice. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1734-1742.	3.6	3
732	Gut microbial molecules in behavioural and neurodegenerative conditions. <i>Nature Reviews Neuroscience</i> , 2020, 21, 717-731.	4.9	167
733	FFA2-, but not FFA3-agonists inhibit GSIS of human pseudoislets: a comparative study with mouse islets and rat INS-1E cells. <i>Scientific Reports</i> , 2020, 10, 16497.	1.6	17
734	Gut-Brain Axis: Role of Gut Microbiota on Neurological Disorders and How Probiotics/Prebiotics Beneficially Modulate Microbial and Immune Pathways to Improve Brain Functions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7551.	1.8	131
735	Study on the Diversity and Function of Gut Microbiota in Pigs Following Long-Term Antibiotic and Antibiotic-Free Breeding. <i>Current Microbiology</i> , 2020, 77, 4114-4128.	1.0	16
736	Implications of gut microbiome on coronary artery disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 869-880.	0.7	17
737	Whole Blueberry and Isolated Polyphenol-Rich Fractions Modulate Specific Gut Microbes in an In Vitro Colon Model and in a Pilot Study in Human Consumers. <i>Nutrients</i> , 2020, 12, 2800.	1.7	30
738	Postbiotics in human health: Possible new functional ingredients?. <i>Food Research International</i> , 2020, 137, 109660.	2.9	46
739	Anatomy, immunology, digestive physiology and microbiota of the salmonid intestine: Knowns and unknowns under the impact of an expanding industrialized production. <i>Fish and Shellfish Immunology</i> , 2020, 107, 172-186.	1.6	32
740	Gut Microbiota, Probiotics and Physical Performance in Athletes and Physically Active Individuals. <i>Nutrients</i> , 2020, 12, 2936.	1.7	66

#	ARTICLE	IF	CITATIONS
741	The trace aminergic system: a gender-sensitive therapeutic target for IBS?. <i>Journal of Biomedical Science</i> , 2020, 27, 95.	2.6	17
742	Gut microbiome improves postoperative cognitive function by decreasing permeability of the blood-brain barrier in aged mice. <i>Brain Research Bulletin</i> , 2020, 164, 249-256.	1.4	43
743	Raspberry dietary fibre: Chemical properties, functional evaluation and prebiotic in vitro effect. <i>LWT - Food Science and Technology</i> , 2020, 134, 110140.	2.5	23
744	Microbiomes other than the gut: inflammaging and age-related diseases. <i>Seminars in Immunopathology</i> , 2020, 42, 589-605.	2.8	65
745	Nutraceuticals and probiotics in the management of psychiatric and neurological disorders: A focus on microbiota-gut-brain-immune axis. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 403-419.	2.0	11
746	Gut microbiota-derived short-chain fatty acids and hypertension: Mechanism and treatment. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110503.	2.5	53
747	Prebiotic effect of dietary polyphenols: A systematic review. <i>Journal of Functional Foods</i> , 2020, 74, 104169.	1.6	143
748	The Microbiomeâ€™s Metabolome Response in the Colon of Piglets Under the Status of Weaning Stress. <i>Frontiers in Microbiology</i> , 2020, 11, 2055.	1.5	32
749	Linear and branched β -Glucans degrading enzymes from versatile <i>Bacteroides uniformis</i> JCM 13288 ^T and their roles in cooperation with gut bacteria. <i>Gut Microbes</i> , 2020, 12, 1826761.	4.3	18
750	Alcohol use alters the colonic mucosaâ€™s associated gut microbiota in humans. <i>Nutrition Research</i> , 2020, 83, 119-128.	1.3	18
751	Mechanistic insight into the gut microbiome and its interaction with host immunity and inflammation. <i>Animal Nutrition</i> , 2020, 6, 421-428.	2.1	26
752	Dietary fiber and microbiota interaction regulates sow metabolism and reproductive performance. <i>Animal Nutrition</i> , 2020, 6, 397-403.	2.1	25
753	Female Gut and Genital Tract Microbiota-Induced Crosstalk and Differential Effects of Short-Chain Fatty Acids on Immune Sequelae. <i>Frontiers in Immunology</i> , 2020, 11, 2184.	2.2	82
754	Lycium Berry Polysaccharides Strengthen Gut Microenvironment and Modulate Gut Microbiota of the Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-10.	0.5	9
755	A Review of GC-Based Analysis of Non-Invasive Biomarkers of Colorectal Cancer and Related Pathways. <i>Journal of Clinical Medicine</i> , 2020, 9, 3191.	1.0	15
756	Bacterial community analysis on the different mucosal immune inductive sites of gastrointestinal tract in Bactrian camels. <i>PLoS ONE</i> , 2020, 15, e0239987.	1.1	3
757	Probiotic triangle of success; strain production, clinical studies and product development. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	13
758	Linseed fibers modulate the production of short-chain fatty acids and improve performance and plasma and skin mucus parameters of silver catfish (<i>Rhamdia quelen</i>). <i>Fish Physiology and Biochemistry</i> , 2020, 46, 2355-2366.	0.9	5

#	ARTICLE	IF	CITATIONS
759	Gut microbiome alterations induced by tributyltin exposure are associated with increased body weight, impaired glucose and insulin homeostasis and endocrine disruption in mice. <i>Environmental Pollution</i> , 2020, 266, 115276.	3.7	13
760	Use of the synbiotic VSL#3 and yacon-based concentrate attenuates intestinal damage and reduces the abundance of <i>Candidatus Saccharimonas</i> in a colitis-associated carcinogenesis model. <i>Food Research International</i> , 2020, 137, 109721.	2.9	47
761	Isolation, structures and biological activities of polysaccharides from <i>Chlorella</i> : A review. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 2199-2209.	3.6	46
762	Digestion of human milk fat in healthy infants. <i>Nutrition Research</i> , 2020, 83, 15-29.	1.3	46
763	Effects of microbiome changes on endocrine ghrelin signaling – A systematic review. <i>Peptides</i> , 2020, 133, 170388.	1.2	23
764	Microbiome response to diet: focus on obesity and related diseases. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2020, 21, 369-380.	2.6	28
765	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
766	Short chain fatty acids: Postbiotics/metabolites and graft versus host disease colitis. <i>Seminars in Hematology</i> , 2020, 57, 1-6.	1.8	24
767	Photoheterotrophic Assimilation of Valerate and Associated Polyhydroxyalkanoate Production by <i>Rhodospirillum rubrum</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	13
768	Whole exome sequencing analyses reveal gene-microbiota interactions in the context of IBD. <i>Gut</i> , 2021, 70, gutjnl-2019-319706.	6.1	26
769	Gut Microbiota Metabolite Fights Against Dietary Polysorbate 80-Aggravated Radiation Enteritis. <i>Frontiers in Microbiology</i> , 2020, 11, 1450.	1.5	14
770	Chronic minocycline treatment exerts antidepressant effect, inhibits neuroinflammation, and modulates gut microbiota in mice. <i>Psychopharmacology</i> , 2020, 237, 3201-3213.	1.5	29
771	Gut microbiota in a host-brood parasite system: insights from common cuckoos raised by two warbler species. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	9
772	A novel inulin-type fructan from <i>Asparagus cochinchinensis</i> and its beneficial impact on human intestinal microbiota. <i>Carbohydrate Polymers</i> , 2020, 247, 116761.	5.1	54
773	Effect of in vitro digestion-fermentation of Ca(II)-alginate beads containing sugar and biopolymers over global antioxidant response and short chain fatty acids production. <i>Food Chemistry</i> , 2020, 333, 127483.	4.2	23
774	Effects of banana powder (<i>Musa acuminata</i> Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation. <i>Journal of Food Science</i> , 2020, 85, 2554-2564.	1.5	6
775	Improvements to postprandial glucose control in subjects with type 2 diabetes: a multicenter, double blind, randomized placebo-controlled trial of a novel probiotic formulation. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001319.	1.2	79
776	Fecal microbial transplantation and a high fiber diet attenuates emphysema development by suppressing inflammation and apoptosis. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1128-1139.	3.2	53

#	ARTICLE	IF	CITATIONS
777	Genetic influence on the metabolome. , 2020, , 105-121.		1
778	The Gut Microbiota: How Does It Influence the Development and Progression of Liver Diseases. Biomedicines, 2020, 8, 501.	1.4	25
779	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. Nature Communications, 2020, 11, 5881.	5.8	122
780	Diet as a Modulator of Intestinal Microbiota in Rheumatoid Arthritis. Nutrients, 2020, 12, 3504.	1.7	38
781	Macroalgal dietary glycans: potential source for human gut bacteria and enhancing immune system for better health. Critical Reviews in Food Science and Nutrition, 2022, 62, 1674-1695.	5.4	6
782	Effects of Polysaccharides From <i>Auricularia auricula</i> on the Immuno-Stimulatory Activity and Gut Microbiota in Immunosuppressed Mice Induced by Cyclophosphamide. Frontiers in Immunology, 2020, 11, 595700.	2.2	29
783	Acetate Revisited: A Key Biomolecule at the Nexus of Metabolism, Epigenetics, and Oncogenesis â€œ Part 2: Acetate and ACS2 in Health and Disease. Frontiers in Physiology, 2020, 11, 580171.	1.3	38
784	Mutual Interplay of Host Immune System and Gut Microbiota in the Immunopathology of Atherosclerosis. International Journal of Molecular Sciences, 2020, 21, 8729.	1.8	16
785	Distinct Stage Changes in Early-Life Colonization and Acquisition of the Gut Microbiota and Its Correlations With Volatile Fatty Acids in Goat Kids. Frontiers in Microbiology, 2020, 11, 584742.	1.5	19
786	Vitamin D metabolites and the gut microbiome in older men. Nature Communications, 2020, 11, 5997.	5.8	88
787	Oxygen and Metabolism: Digesting Determinants of Antibiotic Susceptibility in the Gut. IScience, 2020, 23, 101875.	1.9	1
788	State-of-the-Art of the Nutritional Alternatives to the Use of Antibiotics in Humans and Monogastric Animals. Animals, 2020, 10, 2199.	1.0	18
789	Delivery mode and gut microbial changes correlate with an increased risk of childhood asthma. Science Translational Medicine, 2020, 12, .	5.8	92
790	Potato Fibers Have Positive Effects on Subjective Appetite Sensations in Healthy Men, but Not on Fecal Fat Excretion: A Randomized Controlled Single-Blind Crossover Trial. Nutrients, 2020, 12, 3496.	1.7	3
791	Effect of a high-collagen peptide diet on the gut microbiota and short-chain fatty acid metabolism. Journal of Functional Foods, 2020, 75, 104278.	1.6	32
793	The role of short-chain fatty acids in immunity, inflammation and metabolism. Critical Reviews in Food Science and Nutrition, 2022, 62, 1-12.	5.4	231
794	MAIT Cells in Barrier Tissues: Lessons from Immediate Neighbors. Frontiers in Immunology, 2020, 11, 584521.	2.2	27
795	Heat Stress Increases In Vitro Hindgut Fermentation of Distinct Substrates in Iberian Pigs. Animals, 2020, 10, 2173.	1.0	1

#	ARTICLE	IF	CITATIONS
796	A Multi-Omics Protocol for Swine Feces to Elucidate Longitudinal Dynamics in Microbiome Structure and Function. <i>Microorganisms</i> , 2020, 8, 1887.	1.6	15
797	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
798	Innovative Animal Model of DSS-Induced Ulcerative Colitis in Pseudo Germ-Free Mice. <i>Cells</i> , 2020, 9, 2571.	1.8	28
799	Epigenetics of the antibody and autoantibody response. <i>Current Opinion in Immunology</i> , 2020, 67, 75-86.	2.4	8
800	Intestinal Morphogenesis in Development, Regeneration, and Disease: The Potential Utility of Intestinal Organoids for Studying Compartmentalization of the Crypt-Villus Structure. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 593969.	1.8	34
801	Novel <i>Odoribacter splanchnicus</i> Strain and Its Outer Membrane Vesicles Exert Immunoregulatory Effects <i>in vitro</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 575455.	1.5	110
802	Effects of dietary fibres on gut microbial metabolites and liver lipid metabolism in growing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1484-1493.	1.0	4
803	Protection of Fecal Microbiota Transplantation in a Mouse Model of Multiple Sclerosis. <i>Mediators of Inflammation</i> , 2020, 2020, 1-13.	1.4	50
804	High-Fat Diet Induced Alteration of Mice Microbiota and the Functional Ability to Utilize Fructooligosaccharide for Ethanol Production. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 376.	1.8	33
805	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
806	Nanotechnology improves delivery efficiency and bioavailability of tea polyphenols. <i>Journal of Food Biochemistry</i> , 2020, 44, e13380.	1.2	18
807	A period of 10 weeks of increased protein consumption does not alter faecal microbiota or volatile metabolites in healthy older men: a randomised controlled trial. <i>Journal of Nutritional Science</i> , 2020, 9, e25.	0.7	10
808	Microbiota-host interactions shape ageing dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190596.	1.8	27
809	Synbiotic Effect of <i>Bifidobacterium lactis</i> CNCM I-3446 and Bovine Milk-Derived Oligosaccharides on Infant Gut Microbiota. <i>Nutrients</i> , 2020, 12, 2268.	1.7	18
810	Inulin alleviates hypersaline-stress induced oxidative stress and dysbiosis of gut microbiota in Nile tilapia (<i>Oreochromis niloticus</i>). <i>Aquaculture</i> , 2020, 529, 735681.	1.7	29
811	Effects of wheat bran in comparison to antibiotics on growth performance, intestinal immunity, barrier function, and microbial composition in broiler chickens. <i>Poultry Science</i> , 2020, 99, 4929-4938.	1.5	31
812	The relationship between gut microbiota and short chain fatty acids in the renal calcium oxalate stones disease. <i>FASEB Journal</i> , 2020, 34, 11200-11214.	0.2	51
813	Advances in the Involvement of Gut Microbiota in Pathophysiology of NAFLD. <i>Frontiers in Medicine</i> , 2020, 7, 361.	1.2	47

#	ARTICLE	IF	CITATIONS
814	Long-Term Consumption of 2-O-β-D-Glucopyranosyl-ascorbic Acid from the Fruits of <i>Lycium barbarum</i> Modulates Gut Microbiota in C57BL/6 Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8863-8874.	2.4	18
815	Alliin-induced host-gut microbe interactions improves energy homeostasis. <i>FASEB Journal</i> , 2020, 34, 10682-10698.	0.2	27
816	Effect of <i>Cyberlindnera jadinii</i> yeast as a protein source on intestinal microbiota and butyrate levels in post-weaning piglets. <i>Animal Microbiome</i> , 2020, 2, 13.	1.5	11
817	The modulatory effect of plant polysaccharides on gut flora and the implication for neurodegenerative diseases from the perspective of the microbiota-gut-brain axis. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1484-1492.	3.6	62
818	Gut Microbiota and Cardiovascular Disease. <i>Circulation Research</i> , 2020, 127, 553-570.	2.0	424
819	Prebiotic potential of pulp and kernel cake from Jivã (<i>Syagrus romanzoffiana</i>) and Macaãba palm fruits (<i>Acrocomia aculeata</i>). <i>Food Research International</i> , 2020, 136, 109595.	2.9	20
820	The influence of oxygen on the metabolites of phenolic blueberry extract and the mouse microflora during in vitro fermentation. <i>Food Research International</i> , 2020, 136, 109610.	2.9	10
821	The Role of the Gut Microbiota in the Prevention and Management of Gestational Diabetes Mellitus. <i>Journal of Perinatal and Neonatal Nursing</i> , 2020, 34, 195-198.	0.5	3
822	Melatonin Alleviates Neuroinflammation and Metabolic Disorder in DSS-Induced Depression Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	56
823	Fermentable fibers upregulate suppressor of cytokine signaling1 in the colon of mice and intestinal Caco-2 cells through butyrate production. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2337-2346.	0.6	4
824	Consumption of identically formulated foods extruded under low and high shear force reveals that microbiome redox ratios accompany canine immunoglobulin A production. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1551-1567.	1.0	9
825	Protective effects of 9-tetrahydrocannabinol against enterotoxin-induced acute respiratory distress syndrome are mediated by modulation of microbiota. <i>British Journal of Pharmacology</i> , 2020, 177, 5078-5095.	2.7	37
826	Fiber. , 2020, , 515-529.		2
827	The microbiome and health. , 2020, , 605-624.		0
828	Fungus-growing insects host a distinctive microbiota apparently adapted to the fungiculture environment. <i>Scientific Reports</i> , 2020, 10, 12384.	1.6	31
829	How the AHR Became Important in Intestinal Homeostasis? A Diurnal FICZ/AHR/CYP1A1 Feedback Controls Both Immunity and Immunopathology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5681.	1.8	39
830	Dietary Supplementation of Foxtail Millet Ameliorates Colitis-Associated Colorectal Cancer in Mice via Activation of Gut Receptors and Suppression of the STAT3 Pathway. <i>Nutrients</i> , 2020, 12, 2367.	1.7	34
831	Polysaccharides from fermented <i>Asparagus officinalis</i> with <i>Lactobacillus plantarum</i> NCU116 alleviated liver injury via modulation of glutathione homeostasis, bile acid metabolism, and SCFA production. <i>Food and Function</i> , 2020, 11, 7681-7695.	2.1	22

#	ARTICLE	IF	CITATIONS
832	Characterization of two extracellular arabinanases in <i>Lactobacillus crispatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10091-10103.	1.7	7
833	The Endogenous Alterations of the Gut Microbiota and Feces Metabolites Alleviate Oxidative Damage in the Brain of LanCL1 Knockout Mice. <i>Frontiers in Microbiology</i> , 2020, 11, 557342.	1.5	6
834	<i>Undaria pinnatifida</i> improves obesity-related outcomes in association with gut microbiota and metabolomics modulation in high-fat diet-fed mice. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10217-10231.	1.7	17
835	The Role of Microbiota in Neutrophil Regulation and Adaptation in Newborns. <i>Frontiers in Immunology</i> , 2020, 11, 568685.	2.2	14
836	Clinical Features and Gut Microbial Alterations in Anti-leucine-rich Glioma-Inactivated 1 Encephalitisâ€”A Pilot Study. <i>Frontiers in Neurology</i> , 2020, 11, 585977.	1.1	8
837	Prebiotic effects of pectooligosaccharides obtained from lemon peel on the microbiota from elderly donors using an <i>in vitro</i> continuous colon model (TIM-2). <i>Food and Function</i> , 2020, 11, 9984-9999.	2.1	21
838	The gut microbiome in differential diagnosis of diabetic kidney disease and membranous nephropathy. <i>Renal Failure</i> , 2020, 42, 1100-1110.	0.8	24
839	Gut Microbiological Disorders Reduce Semen Utilization Rate in Duroc Boars. <i>Frontiers in Microbiology</i> , 2020, 11, 581926.	1.5	13
840	Exopolysaccharides From <i>Lactobacillus paracasei</i> Isolated From Kefir as Potential Bioactive Compounds for Microbiota Modulation. <i>Frontiers in Microbiology</i> , 2020, 11, 583254.	1.5	25
841	Prebiotic effects of yeast mannan, which selectively promotes <i>Bacteroides thetaiotaomicron</i> and <i>Bacteroides ovatus</i> in a human colonic microbiota model. <i>Scientific Reports</i> , 2020, 10, 17351.	1.6	37
842	The Impact of Milk and Its Components on Epigenetic Programming of Immune Function in Early Life and Beyond: Implications for Allergy and Asthma. <i>Frontiers in Immunology</i> , 2020, 11, 2141.	2.2	57
843	Short chain fatty acids in human gut and metabolic health. <i>Beneficial Microbes</i> , 2020, 11, 411-455.	1.0	435
844	Microbial interaction between the succinateâ€”utilizing bacterium <i>Phascolarctobacterium faecium</i> and the gut commensal <i>Bacteroides thetaiotaomicron</i> . <i>MicrobiologyOpen</i> , 2020, 9, e1111.	1.2	54
845	<i>Helicobacter pylori</i> infection and eradication: Exploring their impacts on the gastrointestinal microbiota. <i>Helicobacter</i> , 2020, 25, e12754.	1.6	22
846	Roles of Gut Microbiota in Pathogenesis of Alzheimerâ€™s Disease and Therapeutic Effects of Chinese Medicine. <i>Chinese Journal of Integrative Medicine</i> , 2020, , 1.	0.7	8
847	Tributylin Attenuates Metabolic and Inflammatory Changes Associated with Obesity through a GPR109A-Dependent Mechanism. <i>Cells</i> , 2020, 9, 2007.	1.8	25
848	Tregâ€”inducing capacity of genomic DNA of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> . <i>Allergy and Asthma Proceedings</i> , 2020, 41, 372-385.	1.0	15
849	The gut microbiome in pediatric patients undergoing allogeneic hematopoietic stem cell transplantation. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28711.	0.8	25

#	ARTICLE	IF	CITATIONS
850	Similar hypoglycemic effects of glucomannan and its enzyme degraded products from <i>Amorphophallus albus</i> on type 2 diabetes mellitus in mice and potential mechanisms. <i>Food and Function</i> , 2020, 11, 9740-9751.	2.1	6
851	Interplay of intestinal microbiota and mucosal immunity in inflammatory bowel disease: a relationship of frenemies. <i>Therapeutic Advances in Gastroenterology</i> , 2020, 13, 175628482093518.	1.4	16
852	16S rRNA Sequencing and Metagenomics Study of Gut Microbiota: Implications of BDB on Type 2 Diabetes Mellitus. <i>Marine Drugs</i> , 2020, 18, 469.	2.2	7
853	Disruption of ruminal homeostasis by malnutrition involved in systemic ruminal microbiota-host interactions in a pregnant sheep model. <i>Microbiome</i> , 2020, 8, 138.	4.9	30
854	Sodium propionate exerts anticancer effect in mice bearing breast cancer cell xenograft by regulating JAK2/STAT3/ROS/p38 MAPK signaling. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1311-1323.	2.8	20
855	Cyberlindnera jadinii Yeast as a Protein Source for Weaned Pigletsâ€”Impact on Immune Response and Gut Microbiota. <i>Frontiers in Immunology</i> , 2020, 11, 1924.	2.2	3
856	Liver Steatosis, Gut-Liver Axis, Microbiome and Environmental Factors. A Never-Ending Bidirectional Cross-Talk. <i>Journal of Clinical Medicine</i> , 2020, 9, 2648.	1.0	93
857	Rebalancing glucolipid metabolism and gut microbiome dysbiosis by nitrate-dependent alleviation of high-fat diet-induced obesity. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001255.	1.2	17
858	Plant-Derived Nutraceuticals and Immune System Modulation: An Evidence-Based Overview. <i>Vaccines</i> , 2020, 8, 468.	2.1	44
859	The Impact of the Postpartum â€œDoing-the-Monthâ€•Practice on Human Milk Microbiota: A Pilot Study in Taiwan. <i>Microorganisms</i> , 2020, 8, 1283.	1.6	2
860	Validation and Application of a Derivatization-Free RP-HPLC-DAD Method for the Determination of Low Molecular Weight Salivary Metabolites. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6158.	1.2	5
862	Gut Microbiome Associated with the Psychoneurological Symptom Cluster in Patients with Head and Neck Cancers. <i>Cancers</i> , 2020, 12, 2531.	1.7	27
863	The effect of Baduanjin on intestinal flora in patients with prediabetes mellitus. <i>Medicine (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.4	3
864	Relative abundance of the <i>Prevotella</i> genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides. <i>BMC Microbiology</i> , 2020, 20, 283.	1.3	41
865	<i>Eucommia ulmoides</i> leaf extract alters gut microbiota composition, enhances short-chain fatty acids production, and ameliorates osteoporosis in the senescence-accelerated mouse P6 (SAMP6) model. <i>Food Science and Nutrition</i> , 2020, 8, 4897-4906.	1.5	29
866	Genome Sequence Analysis of <i>Clostridium tyrobutyricum</i> , a Promising Microbial Host for Human Health and Industrial Applications. <i>Current Microbiology</i> , 2020, 77, 3685-3694.	1.0	9
867	Obesity-associated microbiota contributes to mucus layer defects in genetically obese mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 15712-15726.	1.6	28
868	Possible links between gutâ€”microbiota and attention-deficit/hyperactivity disorders in children and adolescents. <i>European Journal of Nutrition</i> , 2020, 59, 3391-3403.	1.8	31

#	ARTICLE	IF	CITATIONS
869	Microbiome and Longevity: High Abundance of Longevity-Linked Muribaculaceae in the Gut of the Long-Living Rodent <i>Spalax leucodon</i> . <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 592-601.	1.0	59
870	Diet and Nutrients in Gastrointestinal Chronic Diseases. <i>Nutrients</i> , 2020, 12, 2693.	1.7	34
871	Gut Microbiota: A Key Factor in the Host Health Effects Induced by Pesticide Exposure?. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10517-10531.	2.4	42
872	The Potential Effects of Probiotics and ω -3 Fatty Acids on Chronic Low-Grade Inflammation. <i>Nutrients</i> , 2020, 12, 2402.	1.7	46
873	Gut microbiota modulation with long-chain corn bran arabinoxylan in adults with overweight and obesity is linked to an individualized temporal increase in fecal propionate. <i>Microbiome</i> , 2020, 8, 118.	4.9	81
874	Lactobacillus Mucosae Strain Promoted by a High-Fiber Diet in Genetic Obese Child Alleviates Lipid Metabolism and Modifies Gut Microbiota in ApoE ^{-/-} Mice on a Western Diet. <i>Microorganisms</i> , 2020, 8, 1225.	1.6	22
875	Fecal microbiota transplantation from patients with autoimmune encephalitis modulates Th17 response and relevant behaviors in mice. <i>Cell Death Discovery</i> , 2020, 6, 75.	2.0	13
876	In the beginning: egg–microbe interactions and consequences for animal hosts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190593.	1.8	40
877	The effect of <i>Faecalibacterium prausnitzii</i> and its extracellular vesicles on the permeability of intestinal epithelial cells and expression of PPARs and ANGPTL4 in the Caco-2 cell culture model. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 1061-1069.	0.8	22
878	&p>Effects of Metformin on the Gut Microbiota in Obesity and Type 2 Diabetes Mellitus</p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 5003-5014.	1.1	99
879	LncRNA lncLy6C induced by microbiota metabolite butyrate promotes differentiation of Ly6Chigh to Ly6Cint/neg macrophages through lncLy6C/C/EBP β /Nr4A1 axis. <i>Cell Discovery</i> , 2020, 6, 87.	3.1	18
880	Inferring composition and function of the human gut microbiome in time and space: A review of genome-scale metabolic modelling tools. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3897-3904.	1.9	15
881	Identification of a Novel Cobamide Remodeling Enzyme in the Beneficial Human Gut Bacterium <i>Akkermansia muciniphila</i> . <i>MBio</i> , 2020, 11, .	1.8	18
882	The Metabolomics of Childhood Atopic Diseases: A Comprehensive Pathway-Specific Review. <i>Metabolites</i> , 2020, 10, 511.	1.3	19
883	Mechanisms Underlying the Skin-Gut Cross Talk in the Development of IgE-Mediated Food Allergy. <i>Nutrients</i> , 2020, 12, 3830.	1.7	21
884	Effects of Dietary Supplementation with <i>Clostridium butyricum</i> on Growth Performance, Serum Immunity, Intestinal Morphology, and Microbiota as an Antibiotic Alternative in Weaned Piglets. <i>Animals</i> , 2020, 10, 2287.	1.0	16
885	Elucidation of Gut Microbiota-Associated Lipids Using LC-MS/MS and 16S rRNA Sequence Analyses. <i>IScience</i> , 2020, 23, 101841.	1.9	33
886	Short-Chain Fatty Acids Promote Intracellular Bactericidal Activity in Head Kidney Macrophages From Turbot (<i>Scophthalmus maximus</i> L.) via Hypoxia Inducible Factor-1 α . <i>Frontiers in Immunology</i> , 2020, 11, 615536.	2.2	23

#	ARTICLE	IF	CITATIONS
887	An Update on the Efficacy and Functionality of Probiotics for the Treatment of Non-Alcoholic Fatty Liver Disease. <i>Engineering</i> , 2021, 7, 679-686.	3.2	17
888	Yeast β -glucan, a potential prebiotic, showed a similar probiotic activity to inulin. <i>Food and Function</i> , 2020, 11, 10386-10396.	2.1	37
889	Sodium butyrate improved intestinal barrier in rabbits. <i>Italian Journal of Animal Science</i> , 2020, 19, 1482-1492.	0.8	6
890	Microbial Modulation of the Development and Physiology of the Enteric Nervous System. <i>Trends in Microbiology</i> , 2021, 29, 686-699.	3.5	23
891	Short-Chain Fatty Acid-Producing Gut Microbiota Is Decreased in Parkinson's Disease but Not in Rapid-Eye-Movement Sleep Behavior Disorder. <i>MSystems</i> , 2020, 5, .	1.7	63
892	Butyrate Mitigates Weanling Piglets From Lipopolysaccharide-Induced Colitis by Regulating Microbiota and Energy Metabolism of the Gut-Liver Axis. <i>Frontiers in Microbiology</i> , 2020, 11, 588666.	1.5	19
893	Bacterial Metabolites of Human Gut Microbiota Correlating with Depression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9234.	1.8	74
894	<i>Caulerpa lentillifera</i> (Sea Grapes) Improves Cardiovascular and Metabolic Health of Rats with Diet-Induced Metabolic Syndrome. <i>Metabolites</i> , 2020, 10, 500.	1.3	20
895	Determination and Comparison of Short-Chain Fatty Acids in Serum and Colon Content Samples: Alzheimer's Disease Rat as a Case Study. <i>Molecules</i> , 2020, 25, 5739.	1.7	8
896	Goat Milk Oligosaccharides: Their Diversity, Quantity, and Functional Properties in Comparison to Human Milk Oligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13469-13485.	2.4	52
897	Butyrate induced Tregs are capable of migration from the GALT to the pancreas to restore immunological tolerance during type-1 diabetes. <i>Scientific Reports</i> , 2020, 10, 19120.	1.6	32
898	Interactions Between Therapeutics for Metabolic Disease, Cardiovascular Risk Factors, and Gut Microbiota. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 530160.	1.8	10
899	Review of short-chain fatty acids effects on the immune system and cancer. <i>Food Bioscience</i> , 2020, 38, 100793.	2.0	29
900	The microbiota-gut-brain axis: Focus on the fundamental communication pathways. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 176, 43-110.	0.9	35
901	Microbiome in cancer progression and therapy. <i>Current Opinion in Microbiology</i> , 2020, 56, 118-126.	2.3	11
902	High-Dietary Fiber Intake Alleviates Antenatal Obesity-Induced Postpartum Depression: Roles of Gut Microbiota and Microbial Metabolite Short-chain Fatty Acid Involved. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13697-13710.	2.4	62
903	Diet-dependent gut microbiota impacts on adult neurogenesis through mitochondrial stress modulation. <i>Brain Communications</i> , 2020, 2, fcaa165.	1.5	27
904	Microbiota-Derived Short-Chain Fatty Acids Promote LAMTOR2-Mediated Immune Responses in Macrophages. <i>MSystems</i> , 2020, 5, .	1.7	40

#	ARTICLE	IF	CITATIONS
905	Nutrition and Diabetes in the Context of Inflammaging. <i>Current Geriatrics Reports</i> , 2020, 9, 251-260.	1.1	1
906	Nutrition, Microbiota and Role of Gut-Brain Axis in Subjects with Phenylketonuria (PKU): A Review. <i>Nutrients</i> , 2020, 12, 3319.	1.7	20
907	Gut Biofactoryâ€™ Neurocompetent Metabolites within the Gastrointestinal Tract. A Scoping Review. <i>Nutrients</i> , 2020, 12, 3369.	1.7	22
908	Gut Microbiotaâ€™ Derived Short-Chain Fatty Acids Promote Poststroke Recovery in Aged Mice. <i>Circulation Research</i> , 2020, 127, 453-465.	2.0	263
909	Dietary Fiber Protects against Diabetic Nephropathy through Short-Chain Fatty Acidâ€™ Mediated Activation of G Proteinâ€™ Coupled Receptors GPR43 and GPR109A. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1267-1281.	3.0	153
910	Microbial metabolite indole-3-propionic acid supplementation does not protect mice from the cardiometabolic consequences of a Western diet. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G51-G62.	1.6	22
911	Effect of chitoooligosaccharides on human gut microbiota and antiglycation. <i>Carbohydrate Polymers</i> , 2020, 242, 116413.	5.1	49
912	Sphingolipids produced by gut bacteria enter host metabolic pathways impacting ceramide levels. <i>Nature Communications</i> , 2020, 11, 2471.	5.8	172
913	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
914	Inclusion of purified dietary fiber during gestation improved the reproductive performance of sows. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 47.	2.1	38
915	Effect of dietary fiber fermentation on shortâ€™chain fatty acid production and microbial composition <i>in vitro</i> . <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4282-4291.	1.7	31
916	In vitro prebiotic potential, digestibility and biocompatibility properties of laminari-oligosaccharides produced from curdlan by Î²-1,3-endoglucanase from <i>Clostridium thermocellum</i> . <i>3 Biotech</i> , 2020, 10, 241.	1.1	8
917	Lactic acid bacteria alleviate polycystic ovarian syndrome by regulating sex hormone related gut microbiota. <i>Food and Function</i> , 2020, 11, 5192-5204.	2.1	34
918	The role of the microbiome in the neurobiology of social behaviour. <i>Biological Reviews</i> , 2020, 95, 1131-1166.	4.7	72
919	Leucine Supplementation: A Novel Strategy for Modulating Lipid Metabolism and Energy Homeostasis. <i>Nutrients</i> , 2020, 12, 1299.	1.7	38
920	A Role for Gut Microbiome Fermentative Pathways in Fatty Liver Disease Progression. <i>Journal of Clinical Medicine</i> , 2020, 9, 1369.	1.0	22
921	The Protective Effects of 2â€™-Fucosyllactose Against E. Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion. <i>Nutrients</i> , 2020, 12, 1284.	1.7	36
922	The athletic gut microbiota. <i>Journal of the International Society of Sports Nutrition</i> , 2020, 17, 24.	1.7	157

#	ARTICLE	IF	CITATIONS
923	Dietary galactosyl and mannosyl carbohydrates: In-vitro assessment of prebiotic effects. Food Chemistry, 2020, 329, 127179.	4.2	26
924	Short-term high-intensity interval training exercise does not affect gut bacterial community diversity or composition of lean and overweight men. Experimental Physiology, 2020, 105, 1268-1279.	0.9	30
925	Probing the Honey Bee Diet-Microbiota-Host Axis Using Pollen Restriction and Organic Acid Feeding. Insects, 2020, 11, 291.	1.0	15
926	<i>Nostoc sphaeroides</i> ameliorates hyperlipidemia and maintains the intestinal barrier and gut microbiota composition of high-fat diet mice. Food Science and Nutrition, 2020, 8, 2348-2359.	1.5	11
927	Assessment of Healthy and Harmful Maillard Reaction Products in a Novel Coffee Cascara Beverage: Melanoidins and Acrylamide. Foods, 2020, 9, 620.	1.9	37
928	The homogenous polysaccharide SY01-23 purified from leaf of <i>Morus alba</i> L. has bioactivity on human gut <i>Bacteroides ovatus</i> and <i>Bacteroides cellulosilyticus</i> . International Journal of Biological Macromolecules, 2020, 158, 698-707.	3.6	12
929	Microbiote intestinale et stéatopathie métabolique. Nutrition Clinique Et Metabolisme, 2020, 34, 130-140.	0.2	0
930	Resistant dextrin improves high-fat-high-fructose diet induced insulin resistance. Nutrition and Metabolism, 2020, 17, 36.	1.3	16
931	High-Meat-Protein High-Fat Diet Induced Dysbiosis of Gut Microbiota and Tryptophan Metabolism in Wistar Rats. Journal of Agricultural and Food Chemistry, 2020, 68, 6333-6346.	2.4	45
932	Effect of Hydrothermal Treatment of Depigmented Turmeric (<i>Curcuma longa</i> L.) on Cecal Fermentation in Rats. Starch/Staerke, 2020, 72, 1900221.	1.1	0
933	Microbiota-gut-brain axis in health and disease: Is NLRP3 inflammasome at the crossroads of microbiota-gut-brain communications?. Progress in Neurobiology, 2020, 191, 101806.	2.8	87
934	The dichotomous role of the gut microbiome in exacerbating and ameliorating neurodegenerative disorders. Expert Review of Neurotherapeutics, 2020, 20, 673-686.	1.4	26
935	Variations of Gut Microbiome Profile Under Different Storage Conditions and Preservation Periods: A Multi-Dimensional Evaluation. Frontiers in Microbiology, 2020, 11, 972.	1.5	21
936	Dietary delivery of acetate to the colon using acylated starches as a carrier exerts anxiolytic effects in mice. Physiology and Behavior, 2020, 223, 113004.	1.0	12
937	Nutrition Regulates Innate Immunity in Health and Disease. Annual Review of Nutrition, 2020, 40, 189-219.	4.3	41
938	Studies on nutritional intervention of rice starch-oleic acid complex (resistant starch type V) in rats fed by high-fat diet. Carbohydrate Polymers, 2020, 246, 116637.	5.1	79
939	Tetrahydrocurcumin ameliorates diabetes profiles of db/db mice by altering the composition of gut microbiota and up-regulating the expression of GLP-1 in the pancreas. FÄ-toterapÄ-Äç, 2020, 146, 104665.	1.1	24
940	Directed remodeling of the mouse gut microbiome inhibits the development of atherosclerosis. Nature Biotechnology, 2020, 38, 1288-1297.	9.4	70

#	ARTICLE	IF	CITATIONS
941	Free Fatty Acid Receptors 2 and 3 as Microbial Metabolite Sensors to Shape Host Health: Pharmacophysiological View. <i>Biomedicines</i> , 2020, 8, 154.	1.4	49
942	A prebiotic-enhanced lipid-based nutrient supplement (LNSp) increases <i>Bifidobacterium</i> relative abundance and enhances short-chain fatty acid production in simulated colonic microbiota from undernourished infants. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	10
943	<i>Bifidobacterium longum</i> Subspecies <i>infantis</i> (<i>B. infantis</i>) in Pediatric Nutrition: Current State of Knowledge. <i>Nutrients</i> , 2020, 12, 1581.	1.7	51
944	Exploring the Molecular Mechanisms Underlying the Protective Effects of Microbial SCFAs on Intestinal Tolerance and Food Allergy. <i>Frontiers in Immunology</i> , 2020, 11, 1225.	2.2	64
945	Microbial Community and Short-Chain Fatty Acid Mapping in the Intestinal Tract of Quail. <i>Animals</i> , 2020, 10, 1006.	1.0	20
946	Flavonoids from Mulberry Leaves Alleviate Lipid Dysmetabolism in High Fat Diet-Fed Mice: Involvement of Gut Microbiota. <i>Microorganisms</i> , 2020, 8, 860.	1.6	33
947	Effects of Inulin Propionate Ester on Obesity-Related Metabolic Syndrome and Intestinal Microbial Homeostasis in Diet-Induced Obese Mice. <i>ACS Omega</i> , 2020, 5, 12865-12876.	1.6	15
948	The effect of ultra-processed very low-energy diets on gut microbiota and metabolic outcomes in individuals with obesity: A systematic literature review. <i>Obesity Research and Clinical Practice</i> , 2020, 14, 197-204.	0.8	26
949	Innate lymphoid cell and adaptive immune cell cross-talk: A talk meant not to forget. <i>Journal of Leukocyte Biology</i> , 2020, 108, 397-417.	1.5	11
950	Clinical Significance of the Correlation between Changes in the Major Intestinal Bacteria Species and COVID-19 Severity. <i>Engineering</i> , 2020, 6, 1178-1184.	3.2	116
951	An Insight into the Changing Scenario of Gut Microbiome during Type 2 Diabetes. , 0, , .		0
952	<scp>Meta-Analysis</scp> of Gut Dysbiosis in Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 1626-1635.	2.2	208
953	Manipulation of epithelial integrity and mucosal immunity by host and microbiota-derived metabolites. <i>European Journal of Immunology</i> , 2020, 50, 921-931.	1.6	31
954	How gut microbiota relate to the oral antidiabetic treatment of type 2 diabetes. <i>Medicine in Microecology</i> , 2020, 3, 100007.	0.7	5
955	Seaweed components, properties, and applications. , 2020, , 33-87.		8
956	The fiber metabolite butyrate reduces gp130 by targeting TRAF5 in colorectal cancer cells. <i>Cancer Cell International</i> , 2020, 20, 212.	1.8	2
957	Does an Apple a Day Also Keep the Microbes Away? The Interplay Between Diet, Microbiota, and Host Defense Peptides at the Intestinal Mucosal Barrier. <i>Frontiers in Immunology</i> , 2020, 11, 1164.	2.2	20
958	An Overview on Fecal Branched Short-Chain Fatty Acids Along Human Life and as Related With Body Mass Index: Associated Dietary and Anthropometric Factors. <i>Frontiers in Microbiology</i> , 2020, 11, 973.	1.5	126

#	ARTICLE	IF	CITATIONS
959	Microbial and metabolomic profiles in correlation with depression and anxiety co-morbidities in diarrhoea-predominant IBS patients. <i>BMC Microbiology</i> , 2020, 20, 168.	1.3	24
960	Automatic extraction, prioritization and analysis of gut microbial metabolites from biomedical literature. <i>Scientific Reports</i> , 2020, 10, 9996.	1.6	2
961	Improved effects of okara atomized by a water jet system on Î±-amylase inhibition and butyrate production by <i>Roseburia intestinalis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1467-1474.	0.6	15
962	The propionic acid and butyric acid in serum but not in feces are increased in patients with diarrhea-predominant irritable bowel syndrome. <i>BMC Gastroenterology</i> , 2020, 20, 73.	0.8	26
963	Treatment with Subcritical Water-Hydrolyzed Citrus Pectin Ameliorated Cyclophosphamide-Induced Immunosuppression and Modulated Gut Microbiota Composition in ICR Mice. <i>Molecules</i> , 2020, 25, 1302.	1.7	17
964	Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. <i>Toxics</i> , 2020, 8, 19.	1.6	66
965	Wine pomace product modulates oxidative stress and microbiota in obesity high-fat diet-fed rats. <i>Journal of Functional Foods</i> , 2020, 68, 103903.	1.6	15
966	Suppression of HDAC by sodium acetate rectifies cardiac metabolic disturbance in streptozotocinâ€“nicotinamide-induced diabetic rats. <i>Experimental Biology and Medicine</i> , 2020, 245, 667-676.	1.1	23
967	Investigating the Gut Microbiota Composition of Individuals with Attention-Deficit/Hyperactivity Disorder and Association with Symptoms. <i>Microorganisms</i> , 2020, 8, 406.	1.6	57
968	Gut-Liver Physiomimetics Reveal Paradoxical Modulation of IBD-Related Inflammation by Short-Chain Fatty Acids. <i>Cell Systems</i> , 2020, 10, 223-239.e9.	2.9	115
969	Metatranscriptomic analysis to define the Secrebiome, and 16S rRNA profiling of the gut microbiome in obesity and metabolic syndrome of Mexican children. <i>Microbial Cell Factories</i> , 2020, 19, 61.	1.9	71
970	Changes in Intestinal Microbiota and Predicted Metabolic Pathways During Colonic Fermentation of Mango (<i>Mangifera indica</i> L.)â€“Based Bar Indigestible Fraction. <i>Nutrients</i> , 2020, 12, 683.	1.7	22
971	Two Bariatric Surgical Procedures Differentially Alter the Intestinal Microbiota in Obesity Patients. <i>Obesity Surgery</i> , 2020, 30, 2345-2361.	1.1	19
972	Dietary Inulin and <i>Trichuris suis</i> Infection Promote Beneficial Bacteria Throughout the Porcine Gut. <i>Frontiers in Microbiology</i> , 2020, 11, 312.	1.5	22
973	Feeling the Burn: Intestinal Epithelial Cells Modify Their Lipid Metabolism in Response to Bacterial Fermentation Products. <i>Cell Host and Microbe</i> , 2020, 27, 314-316.	5.1	11
974	Targeting Gut Microbiota Dysbiosis: Potential Intervention Strategies for Neurological Disorders. <i>Engineering</i> , 2020, 6, 415-423.	3.2	26
975	Gut Microbial-Derived Metabolomics of Asthma. <i>Metabolites</i> , 2020, 10, 97.	1.3	31
976	Metabolites Linking the Gut Microbiome with Risk for Type 2 Diabetes. <i>Current Nutrition Reports</i> , 2020, 9, 83-93.	2.1	48

#	ARTICLE	IF	CITATIONS
977	Dietary cellulose prevents gut inflammation by modulating lipid metabolism and gut microbiota. <i>Gut Microbes</i> , 2020, 11, 944-961.	4.3	99
978	The Response of the Gut Microbiota to Dietary Changes in the First Two Years of Life. <i>Frontiers in Pharmacology</i> , 2020, 11, 334.	1.6	29
979	Early Intervention Using Fecal Microbiota Transplantation Combined with Probiotics Influence the Growth Performance, Diarrhea, and Intestinal Barrier Function of Piglets. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 568.	1.3	12
980	Properties of hydrolyzed guar gum fermented in vitro with pig fecal inocula and its favorable impacts on microbiota. <i>Carbohydrate Polymers</i> , 2020, 237, 116116.	5.1	21
981	Effects of dietary sodium acetate on food intake, weight gain, intestinal digestive enzyme activities, energy metabolism and gut microbiota in cultured fish: Zebrafish as a model. <i>Aquaculture</i> , 2020, 523, 735188.	1.7	44
982	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
983	Diet influences the functions of the human intestinal microbiome. <i>Scientific Reports</i> , 2020, 10, 4247.	1.6	115
984	Towards a psychobiotic therapy for depression: <i>Bifidobacterium breve</i> CCFM1025 reverses chronic stress-induced depressive symptoms and gut microbial abnormalities in mice. <i>Neurobiology of Stress</i> , 2020, 12, 100216.	1.9	159
985	Study of the <i>cwaRS-ldcA</i> Operon Coding a Two-Component System and a Putative L,D-Carboxypeptidase in <i>Lactobacillus paracasei</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 156.	1.5	0
986	Effect of Coffee Cascara Dietary Fiber on the Physicochemical, Nutritional and Sensory Properties of a Gluten-Free Bread Formulation. <i>Molecules</i> , 2020, 25, 1358.	1.7	29
987	Dietary Carbohydrate Constituents Related to Gut Dysbiosis and Health. <i>Microorganisms</i> , 2020, 8, 427.	1.6	33
988	Probiotic-directed modulation of gut microbiota is basal microbiome dependent. <i>Gut Microbes</i> , 2020, 12, 1736974.	4.3	69
989	Dietary Fiber, Gut Microbiota, and Metabolic Regulation—Current Status in Human Randomized Trials. <i>Nutrients</i> , 2020, 12, 859.	1.7	160
990	Colonic diverticular disease. <i>Nature Reviews Disease Primers</i> , 2020, 6, 20.	18.1	125
991	Gut Microbiome and Osteoporosis. , 2020, 11, 438.		61
992	Contribution of macronutrients to obesity: implications for precision nutrition. <i>Nature Reviews Endocrinology</i> , 2020, 16, 305-320.	4.3	113
993	The gut microbiome in Parkinson's disease: A culprit or a bystander?. <i>Progress in Brain Research</i> , 2020, 252, 357-450.	0.9	70
994	Role of diet in regulating the gut microbiota and multiple sclerosis. <i>Clinical Immunology</i> , 2022, 235, 108379.	1.4	19

#	ARTICLE	IF	CITATIONS
995	Impact of the gut microbiota on the m6A epitranscriptome of mouse cecum and liver. <i>Nature Communications</i> , 2020, 11, 1344.	5.8	59
996	Astaxanthin (ATX) enhances the intestinal mucosal functions in immunodeficient mice. <i>Food and Function</i> , 2020, 11, 3371-3381.	2.1	30
997	Stool Short-Chain Fatty Acids in Critically Ill Patients with Sepsis. <i>Journal of the American College of Nutrition</i> , 2020, 39, 706-712.	1.1	24
998	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
999	Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE ^{-/-} Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 223.	1.6	129
1000	Effects of Dietary Grape Seed Meal Bioactive Compounds on the Colonic Microbiota of Weaned Piglets With Dextran Sodium Sulfate-Induced Colitis Used as an Inflammatory Model. <i>Frontiers in Veterinary Science</i> , 2020, 7, 31.	0.9	15
1001	Butyrate inhibits human mast cell activation via epigenetic regulation of Fc ϵ R1 α -mediated signaling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1966-1978.	2.7	92
1002	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
1003	Gut Dysbiosis during Influenza Contributes to Pulmonary Pneumococcal Superinfection through Altered Short-Chain Fatty Acid Production. <i>Cell Reports</i> , 2020, 30, 2934-2947.e6.	2.9	221
1004	Role of the Microbiome in Mediating Health Effects of Dietary Components. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12820-12835.	2.4	18
1005	Developing <i>in vitro</i> assays to transform gastrointestinal safety assessment: potential for microphysiological systems. <i>Lab on A Chip</i> , 2020, 20, 1177-1190.	3.1	44
1006	Flavonoid-Rich Orange Juice Intake and Altered Gut Microbiome in Young Adults with Depressive Symptom: A Randomized Controlled Study. <i>Nutrients</i> , 2020, 12, 1815.	1.7	57
1007	Health promoting microbial metabolites produced by gut microbiota after prebiotics metabolism. <i>Food Research International</i> , 2020, 136, 109473.	2.9	85
1008	Dysbiosis of gut microbiota in adult idiopathic membranous nephropathy with nephrotic syndrome. <i>Microbial Pathogenesis</i> , 2020, 147, 104359.	1.3	34
1009	Intermingling of gut microbiota with brain: Exploring the role of probiotics in battle against depressive disorders. <i>Food Research International</i> , 2020, 137, 109489.	2.9	22
1010	Targeting the gut-lung microbiota axis by means of a high-fibre diet and probiotics may have anti-inflammatory effects in COVID-19 infection. <i>Therapeutic Advances in Respiratory Disease</i> , 2020, 14, 175346662093717.	1.0	73
1011	Maternal dietary resistant starch does not improve piglet's gut and liver metabolism when challenged with a high fat diet. <i>BMC Genomics</i> , 2020, 21, 439.	1.2	2
1012	The Effects of Nutrition on the Gastrointestinal Microbiome of Cats and Dogs: Impact on Health and Disease. <i>Frontiers in Microbiology</i> , 2020, 11, 1266.	1.5	100

#	ARTICLE	IF	CITATIONS
1013	Modulation of gut microbiota to overcome resistance to immune checkpoint blockade in cancer immunotherapy. <i>Current Opinion in Pharmacology</i> , 2020, 54, 1-10.	1.7	35
1014	Microbiota and Hypertension: Role of the Sympathetic Nervous System and the Immune System. <i>American Journal of Hypertension</i> , 2020, 33, 890-901.	1.0	28
1015	Obesity, Insulin Resistance, and Hyperandrogenism Mediate the Link between Poor Diet Quality and Ovarian Dysmorphology in Reproductive-Aged Women. <i>Nutrients</i> , 2020, 12, 1953.	1.7	29
1016	Microbiota modulate sympathetic neurons via a gut-brain circuit. <i>Nature</i> , 2020, 583, 441-446.	13.7	227
1017	Postbiotic-Enabled Targeting of the Host-Microbiota-Pathogen Interface: Hints of Antibiotic Decline?. <i>Pharmaceutics</i> , 2020, 12, 624.	2.0	20
1018	Cognitive-Behavioural Correlates of Dysbiosis: A Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4834.	1.8	20
1019	The Gut Microbiota in Prediabetes and Diabetes: A Population-Based Cross-Sectional Study. <i>Cell Metabolism</i> , 2020, 32, 379-390.e3.	7.2	233
1020	Seasonal Variation and Sexual Dimorphism of the Microbiota in Wild Blue Sheep (<i>Pseudois nayaur</i>). <i>Frontiers in Microbiology</i> , 2020, 11, 1260.	1.5	15
1021	Effects of prebiotic dietary fibers and probiotics on human health: With special focus on recent advancement in their encapsulated formulations. <i>Trends in Food Science and Technology</i> , 2020, 102, 178-192.	7.8	62
1022	Combinatorial Effects of Soluble, Insoluble, and Organic Extracts from Jerusalem Artichokes on Gut Microbiota in Mice. <i>Microorganisms</i> , 2020, 8, 954.	1.6	8
1023	<i>Yac</i> prevented inflammation, oxidative stress, and intestinal alterations in an animal model of colorectal carcinogenesis. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 5442-5449.	1.7	17
1024	Antioxidant and immunomodulatory activities in vitro of polysaccharides from bee collected pollen of Chinese wolfberry. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 190-199.	3.6	24
1025	<i>Cyclocarya paliurus</i> polysaccharides alleviate type 2 diabetic symptoms by modulating gut microbiota and short-chain fatty acids. <i>Phytomedicine</i> , 2020, 77, 153268.	2.3	114
1026	Effects of a ready-to-eat cereal formula powder on glucose metabolism, inflammation, and gut microbiota in diabetic db/db mice. <i>Food Science and Nutrition</i> , 2020, 8, 4523-4533.	1.5	4
1027	Molecular link between dietary fibre, gut microbiota and health. <i>Molecular Biology Reports</i> , 2020, 47, 6229-6237.	1.0	115
1028	Metagenome-wide association analysis identifies microbial determinants of post-antibiotic ecological recovery in the gut. <i>Nature Ecology and Evolution</i> , 2020, 4, 1256-1267.	3.4	98
1029	Specialization of mucosal immunoglobulins in pathogen control and microbiota homeostasis occurred early in vertebrate evolution. <i>Science Immunology</i> , 2020, 5, .	5.6	98
1030	Controversial Roles of Gut Microbiota-Derived Short-Chain Fatty Acids (SCFAs) on Pancreatic Î²-Cell Growth and Insulin Secretion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 910.	1.8	42

#	ARTICLE	IF	CITATIONS
1031	Gut Microbiota of Wild and Captive Alpine Musk Deer (<i>Moschus chrysogaster</i>). <i>Frontiers in Microbiology</i> , 2019, 10, 3156.	1.5	42
1032	Dietary cellulose nanofiber modulates obesity and gut microbiota in high-fat-fed mice. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2020, 22, 100214.	1.5	18
1033	Different dietary lipid consumption affects the serum lipid profiles, colonic short chain fatty acid composition and the gut health of Sprague Dawley rats. <i>Food Research International</i> , 2020, 132, 109117.	2.9	13
1034	Fermentation Products of Commensal Bacteria Alter Enterocyte Lipid Metabolism. <i>Cell Host and Microbe</i> , 2020, 27, 358-375.e7.	5.1	97
1035	Maternal microbial molecules affect offspring health. <i>Science</i> , 2020, 367, 978-979.	6.0	13
1036	Exploration of the Relationship Between Gut Microbiota and Polycystic Ovary Syndrome (PCOS): a Review. <i>Geburtshilfe Und Frauenheilkunde</i> , 2020, 80, 161-171.	0.8	61
1037	Leucovorin ameliorated methotrexate induced intestinal toxicity via modulation of the gut microbiota. <i>Toxicology and Applied Pharmacology</i> , 2020, 391, 114900.	1.3	22
1038	Synbiotic supplementation with prebiotic green banana resistant starch and probiotic <i>Bacillus coagulans</i> spores ameliorates gut inflammation in mouse model of inflammatory bowel diseases. <i>European Journal of Nutrition</i> , 2020, 59, 3669-3689.	1.8	53
1039	Compartmentalised acyl-CoA metabolism and roles in chromatin regulation. <i>Molecular Metabolism</i> , 2020, 38, 100941.	3.0	146
1040	Short-term supplementation of celecoxib-shifted butyrate production on a simulated model of the gut microbial ecosystem and ameliorated in vitro inflammation. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 9.	2.9	24
1041	Optimizing lifestyle interventions in adult patients with comorbid asthma and obesity. <i>Therapeutic Advances in Respiratory Disease</i> , 2020, 14, 175346662090632.	1.0	7
1042	The Gut Microbiota and Its Implication in the Development of Atherosclerosis and Related Cardiovascular Diseases. <i>Nutrients</i> , 2020, 12, 605.	1.7	109
1043	Pyrodextrin enhances intestinal function through changing the intestinal microbiota composition and metabolism in early weaned piglets. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 4141-4154.	1.7	18
1044	Consumption of a baked corn and bean snack reduced chronic colitis inflammation in CD-1 mice via downregulation of IL-1 receptor, TLR, and TNF- α associated pathways. <i>Food Research International</i> , 2020, 132, 109097.	2.9	19
1045	A sensitive method for the quantification of short-chain fatty acids by benzyl chloroformate derivatization combined with GC-MS. <i>Analyst</i> , The, 2020, 145, 2692-2700.	1.7	23
1046	Relationship between Dietary Fiber Fermentation and Volatile Fatty Acids™ Concentration in Growing Pigs. <i>Animals</i> , 2020, 10, 263.	1.0	29
1047	The effect of deacetylation degree of konjac glucomannan on microbial metabolites and gut microbiota in vitro fermentation. <i>Journal of Functional Foods</i> , 2020, 66, 103796.	1.6	16
1048	Improving Risk-Benefit in Faecal Transplantation through Microbiome Screening. <i>Trends in Microbiology</i> , 2020, 28, 331-339.	3.5	19

#	ARTICLE	IF	CITATIONS
1049	Gut commensal derived-valeric acid protects against radiation injuries. <i>Gut Microbes</i> , 2020, 11, 789-806.	4.3	99
1050	Effects of high-fiber diets enriched with carbohydrate, protein, or unsaturated fat on circulating short chain fatty acids: results from the OmniHeart randomized trial. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 545-554.	2.2	49
1051	Sex-specific association between the gut microbiome and high-fat diet-induced metabolic disorders in mice. <i>Biology of Sex Differences</i> , 2020, 11, 5.	1.8	50
1052	Alpha-Lactalbumin Enriched Whey Protein Concentrate to Improve Gut, Immunity and Brain Development in Preterm Pigs. <i>Nutrients</i> , 2020, 12, 245.	1.7	20
1053	Human Milk Oligosaccharides: Health Benefits, Potential Applications in Infant Formulas, and Pharmacology. <i>Nutrients</i> , 2020, 12, 266.	1.7	155
1054	The Gastrointestinal Microbiome in Chronic Renal Diseases. <i>Current Oral Health Reports</i> , 2020, 7, 45-53.	0.5	0
1055	Metabolic Adaptations to Infections at the Organismal Level. <i>Trends in Immunology</i> , 2020, 41, 113-125.	2.9	56
1056	Short chain fatty acids and methylamines produced by gut microbiota as mediators and markers in the circulatory system. <i>Experimental Biology and Medicine</i> , 2020, 245, 166-175.	1.1	28
1057	Nutraceuticals: An integrative approach to starve Parkinson's disease. <i>Brain, Behavior, & Immunity - Health</i> , 2020, 2, 100037.	1.3	20
1058	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
1059	Microbial Metabolites and Intestinal Stem Cells Tune Intestinal Homeostasis. <i>Proteomics</i> , 2020, 20, e1800419.	1.3	34
1060	The canine gastrointestinal microbiota: early studies and research frontiers. <i>Gut Microbes</i> , 2020, 11, 635-654.	4.3	22
1061	Salivary Metabolomics: From Diagnostic Biomarker Discovery to Investigating Biological Function. <i>Metabolites</i> , 2020, 10, 47.	1.3	89
1062	Precision Microbiome Modulation with Discrete Dietary Fiber Structures Directs Short-Chain Fatty Acid Production. <i>Cell Host and Microbe</i> , 2020, 27, 389-404.e6.	5.1	298
1063	Resveratrol alleviates temporomandibular joint inflammatory pain by recovering disturbed gut microbiota. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 455-464.	2.0	40
1064	Chemical Profile, Antioxidative, and Gut Microbiota Modulatory Properties of Ganpu Tea: A Derivative of Pu-erh Tea. <i>Nutrients</i> , 2020, 12, 224.	1.7	37
1065	Insights into the role of intestinal microbiota in hematopoietic stem-cell transplantation. <i>Therapeutic Advances in Hematology</i> , 2020, 11, 204062071989696.	1.1	36
1066	Oral Treatments With Probiotics and Live Salmonella Vaccine Induce Unique Changes in Gut Neurochemicals and Microbiome in Chickens. <i>Frontiers in Microbiology</i> , 2019, 10, 3064.	1.5	16

#	ARTICLE	IF	CITATIONS
1067	Effects of spaceflight on the composition and function of the human gut microbiota. <i>Gut Microbes</i> , 2020, 11, 807-819.	4.3	32
1068	Intestinal microbes derived butyrate is related to the immunomodulatory activities of <i>Dendrobium officinale</i> polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 717-723.	3.6	76
1069	Anaerobic digestion of food waste to volatile fatty acids and hydrogen at high organic loading rates in immersed membrane bioreactors. <i>Renewable Energy</i> , 2020, 152, 1140-1148.	4.3	95
1070	The Î±-D-glucan from marine fungus <i>Phoma herbarum</i> YS4108 ameliorated mice colitis by repairing mucosal barrier and maintaining intestinal homeostasis. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1180-1188.	3.6	25
1071	Effects of purified fibre mixture supplementation of gestation diet on gut microbiota, immunity and reproductive performance of sows. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1144-1154.	1.0	12
1072	Deficient histone H3 propionylation by BRPF1-KAT6 complexes in neurodevelopmental disorders and cancer. <i>Science Advances</i> , 2020, 6, eaax0021.	4.7	56
1073	The Influence of Polyphenol Compounds on Human Gastrointestinal Tract Microbiota. <i>Nutrients</i> , 2020, 12, 350.	1.7	37
1074	Gut Microbiota as Diagnostic Tools for Mirroring Disease Progression and Circulating Nephrotoxin Levels in Chronic Kidney Disease: Discovery and Validation Study. <i>International Journal of Biological Sciences</i> , 2020, 16, 420-434.	2.6	64
1075	Revealing eukaryotic histone-modifying mechanisms through bacterial infection. <i>Seminars in Immunopathology</i> , 2020, 42, 201-213.	2.8	11
1076	Beneficial effects of polysaccharide-rich extracts from <i>Apocynum venetum</i> leaves on hypoglycemic and gut microbiota in type 2 diabetic mice. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110182.	2.5	58
1077	Improved physicochemical and functional properties of okara, a soybean residue, by nanocellulose technologies for food development – A review. <i>Food Hydrocolloids</i> , 2020, 109, 105964.	5.6	28
1078	Validation and adaptation of the empirical dietary inflammatory pattern across nations: A test case. <i>Nutrition</i> , 2020, 79-80, 110843.	1.1	8
1079	A Diversified Dietary Pattern Is Associated With a Balanced Gut Microbial Composition of <i>Faecalibacterium</i> and <i>Escherichia/Shigella</i> in Patients With Crohn's Disease in Remission. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 1547-1557.	0.6	43
1080	Interaction Between the Microbiota, Epithelia, and Immune Cells in the Intestine. <i>Annual Review of Immunology</i> , 2020, 38, 23-48.	9.5	294
1081	Integrating the Ecosystem Services Framework to Define Dysbiosis of the Breastfed Infant Gut: The Role of <i>B. infantis</i> and Human Milk Oligosaccharides. <i>Frontiers in Nutrition</i> , 2020, 7, 33.	1.6	39
1082	Oncobiosis and Microbial Metabolite Signaling in Pancreatic Adenocarcinoma. <i>Cancers</i> , 2020, 12, 1068.	1.7	32
1083	Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota – Results from the PAGODA Trial. <i>Nutrients</i> , 2020, 12, 1257.	1.7	39
1084	The Role of Gut Dysbiosis in the Bone-Vascular Axis in Chronic Kidney Disease. <i>Toxins</i> , 2020, 12, 285.	1.5	23

#	ARTICLE	IF	CITATIONS
1085	Hypertension Is Associated With Intestinal Microbiota Dysbiosis and Inflammation in a Brazilian Population. <i>Frontiers in Pharmacology</i> , 2020, 11, 258.	1.6	70
1086	Modulation of Pectin on Mucosal Innate Immune Function in Pigs Mediated by Gut Microbiota. <i>Microorganisms</i> , 2020, 8, 535.	1.6	22
1087	Effect of fructans, prebiotics and fibres on the human gut microbiome assessed by 16S rRNA-based approaches: a review. <i>Beneficial Microbes</i> , 2020, 11, 101-129.	1.0	48
1088	Cottonseed meal fermented by <i>Candida tropicalis</i> reduces the fat deposition in white-feather broilers through cecum bacteria-host metabolic cross-talk. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 4345-4357.	1.7	14
1089	An LC-QToF MS based method for untargeted metabolomics of human fecal samples. <i>Metabolomics</i> , 2020, 16, 46.	1.4	26
1090	Microbiota and metabolites in rheumatic diseases. <i>Autoimmunity Reviews</i> , 2020, 19, 102530.	2.5	23
1091	Lipid mediators and asthma: Scope of therapeutics. <i>Biochemical Pharmacology</i> , 2020, 179, 113925.	2.0	21
1092	Dietary <i>Luffa cylindrica</i> (L.) Roem promotes branched-chain amino acid catabolism in the circulation system via gut microbiota in diet-induced obese mice. <i>Food Chemistry</i> , 2020, 320, 126648.	4.2	36
1093	From Association to Causality: the Role of the Gut Microbiota and Its Functional Products on Host Metabolism. <i>Molecular Cell</i> , 2020, 78, 584-596.	4.5	177
1094	Gut, oral and skin microbiome of Indian patrilineal families reveal perceptible association with age. <i>Scientific Reports</i> , 2020, 10, 5685.	1.6	50
1095	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
1096	Comparison of the prebiotic properties of native chicory and synthetic inulins using swine fecal cultures. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1486-1496.	0.6	4
1097	Gut Microbiota-Derived Propionate Regulates the Expression of Reg3 Mucosal Lectins and Ameliorates Experimental Colitis in Mice. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 1462-1472.	0.6	63
1098	Butyric acid normalizes hyperglycemia caused by the tacrolimus-induced gut microbiota. <i>American Journal of Transplantation</i> , 2020, 20, 2413-2424.	2.6	36
1099	Ecological Importance of Cross-Feeding of the Intermediate Metabolite 1,2-Propanediol between Bacterial Gut Symbionts. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	40
1100	Microbiota-Related Metabolites and the Risk of Type 2 Diabetes. <i>Diabetes Care</i> , 2020, 43, 1319-1325.	4.3	83
1101	Processing Method Altered Mouse Intestinal Morphology and Microbial Composition by Affecting Digestion of Meat Proteins. <i>Frontiers in Microbiology</i> , 2020, 11, 511.	1.5	20
1102	The Controversial Role of Human Gut Lachnospiraceae. <i>Microorganisms</i> , 2020, 8, 573.	1.6	777

#	ARTICLE	IF	CITATIONS
1103	The Effect of Probiotics on the Production of Short-Chain Fatty Acids by Human Intestinal Microbiome. <i>Nutrients</i> , 2020, 12, 1107.	1.7	467
1104	Impact of maternal dietary gut microbial metabolites on an offspring's systemic immune response in mouse models. <i>Bioscience of Microbiota, Food and Health</i> , 2020, 39, 33-38.	0.8	7
1105	Engineered butyrate-producing bacteria prevents high fat diet-induced obesity in mice. <i>Microbial Cell Factories</i> , 2020, 19, 94.	1.9	36
1106	The role of the gut microbiome in the development of schizophrenia. <i>Schizophrenia Research</i> , 2021, 234, 4-23.	1.1	60
1107	Microbiota Metabolites in Health and Disease. <i>Annual Review of Immunology</i> , 2020, 38, 147-170.	9.5	138
1108	Microbiota and cancer: host cellular mechanisms activated by gut microbial metabolites. <i>International Journal of Medical Microbiology</i> , 2020, 310, 151425.	1.5	41
1109	Fermentable Dietary Fiber Promotes Helminth Infection and Exacerbates Host Inflammatory Responses. <i>Journal of Immunology</i> , 2020, 204, 3042-3055.	0.4	21
1110	The Production of Listeriolysin O and Subsequent Intracellular Infections by <i>Listeria monocytogenes</i> Are Regulated by Exogenous Short Chain Fatty Acid Mixtures. <i>Toxins</i> , 2020, 12, 218.	1.5	3
1111	Hepatic expression of lipopolysaccharide-binding protein (Lbp) is induced by the gut microbiota through Myd88 and impairs glucose tolerance in mice independent of obesity. <i>Molecular Metabolism</i> , 2020, 37, 100997.	3.0	13
1112	Evaluation of Antiobesity Activity of Soybean Meal Products Fermented by <i>Lactobacillus plantarum</i> FPS 2520 and <i>Bacillus subtilis</i> N1 in Rats Fed with High-Fat Diet. <i>Journal of Medicinal Food</i> , 2020, 23, 667-675.	0.8	14
1113	Dietary Xanthan Gum Alters Antibiotic Efficacy against the Murine Gut Microbiota and Attenuates <i>Clostridioides difficile</i> Colonization. <i>MSphere</i> , 2020, 5, .	1.3	26
1114	Eicosapentaenoic and Docosahexaenoic Acids Differentially Alter Gut Microbiome and Reverse High-Fat Diet-Induced Insulin Resistance. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900946.	1.5	56
1115	Gut Microbiota and Pathogenesis of Organ Injury. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	7
1116	Challenges in Analysis of Hydrophilic Metabolites Using Chromatography Coupled with Mass Spectrometry. <i>Journal of Analysis and Testing</i> , 2020, 4, 140-162.	2.5	20
1117	Dynamic digestion of tamarind seed polysaccharide: Indigestibility in gastrointestinal simulations and gut microbiota changes in vitro. <i>Carbohydrate Polymers</i> , 2020, 239, 116194.	5.1	84
1118	Effects of oral butyrate and inulin supplementation on inflammation-induced pyroptosis pathway in type 2 diabetes: A randomized, double-blind, placebo-controlled trial. <i>Cytokine</i> , 2020, 131, 155101.	1.4	34
1119	Gut metagenomic and short chain fatty acids signature in hypertension: a cross-sectional study. <i>Scientific Reports</i> , 2020, 10, 6436.	1.6	115
1120	Anhedonia induced by high-fat diet in mice depends on gut microbiota and leptin. <i>Nutritional Neuroscience</i> , 2020, , 1-14.	1.5	17

#	ARTICLE	IF	CITATIONS
1121	Mucin-Derived O-Glycans Act as Endogenous Fiber and Sustain Mucosal Immune Homeostasis via Short-Chain Fatty Acid Production in Rat Cecum. <i>Journal of Nutrition</i> , 2020, 150, 2656-2665.	1.3	20
1122	Effects of hydrolyzed fish protein and autolyzed yeast as substitutes of fishmeal in the gilthead sea bream (<i>Sparus aurata</i>) diet, on fish intestinal microbiome. <i>BMC Veterinary Research</i> , 2020, 16, 118.	0.7	33
1123	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
1124	Intestinal enteroids recapitulate the effects of short-chain fatty acids on the intestinal epithelium. <i>PLoS ONE</i> , 2020, 15, e0230231.	1.1	50
1125	Unraveling the drivers and consequences of gut microbiota disruption in Fabry disease: the lyso-Gb3 link. <i>Future Microbiology</i> , 2020, 15, 227-231.	1.0	7
1126	Estrogen Reverses HDAC Inhibitor-Mediated Repression of Aicda and Class-Switching in Antibody and Autoantibody Responses by Downregulation of miR-26a. <i>Frontiers in Immunology</i> , 2020, 11, 491.	2.2	13
1127	Interactions between the MicroRNAs and Microbiota in Cancer Development: Roles and Therapeutic Opportunities. <i>Cancers</i> , 2020, 12, 805.	1.7	43
1128	Nontargeted fecal metabolomics: an emerging tool to probe the role of the gut microbiome in host health. <i>Bioanalysis</i> , 2020, 12, 351-353.	0.6	3
1129	<i>In-vivo</i> biotransformation of citrus functional components and their effects on health. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 756-776.	5.4	30
1130	Sodium butyrate attenuated neuronal apoptosis via GPR41/GÎ² ² /PI3K/Akt pathway after MCAO in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 267-281.	2.4	82
1131	Dysbiosis of Gut Microbiota and Short-Chain Fatty Acids in Acute Ischemic Stroke and the Subsequent Risk for Poor Functional Outcomes. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021, 45, 518-529.	1.3	111
1132	Very early-life exposure to microbiota-induced TNF drives the maturation of neonatal pre-cDC1. <i>Gut</i> , 2021, 70, 511-521.	6.1	14
1133	Dietary fiber metabolites regulate innate lymphoid cell responses. <i>Mucosal Immunology</i> , 2021, 14, 317-330.	2.7	76
1134	Dietary supplementation with <i>Bacillus subtilis</i> DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets. <i>Journal of Applied Microbiology</i> , 2021, 130, 217-232.	1.4	19
1135	Gut microbial metabolism of dietary fibre protects against high energy feeding induced ovarian follicular atresia in a pig model. <i>British Journal of Nutrition</i> , 2021, 125, 38-49.	1.2	17
1136	Predicting <i>Vibrio cholerae</i> Infection and Disease Severity Using Metagenomics in a Prospective Cohort Study. <i>Journal of Infectious Diseases</i> , 2021, 223, 342-351.	1.9	25
1137	Interactions Between the Aging Gut Microbiome and Common Geriatric Giants: Polypharmacy, Frailty, and Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1019-1028.	1.7	19
1138	Effects of different types of potato resistant starches on intestinal microbiota and short-chain fatty acids under <i>in vitro</i> fermentation. <i>International Journal of Food Science and Technology</i> , 2021, 56, 2432-2442.	1.3	21

#	ARTICLE	IF	CITATIONS
1139	Interaction between IgA and gut microbiota and its role in controlling metabolic syndrome. <i>Obesity Reviews</i> , 2021, 22, e13155.	3.1	12
1140	Assessment of the bacterial diversity of agave sap concentrate, resistance to in vitro gastrointestinal conditions and short-chain fatty acids production. <i>Food Research International</i> , 2021, 140, 109862.	2.9	3
1141	Adding insult to injury - Inflammation at the heart of cardiac fibrosis. <i>Cellular Signalling</i> , 2021, 77, 109828.	1.7	31
1142	A double-edged sword: Role of butyrate in the oral cavity and the gut. <i>Molecular Oral Microbiology</i> , 2021, 36, 121-131.	1.3	31
1143	Avocado Consumption Alters Gastrointestinal Bacteria Abundance and Microbial Metabolite Concentrations among Adults with Overweight or Obesity: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2021, 151, 753-762.	1.3	28
1144	Dietary fiber regulates intestinal flora and suppresses liver and systemic inflammation to alleviate liver fibrosis in mice. <i>Nutrition</i> , 2021, 81, 110959.	1.1	29
1145	The effect of nut consumption (tree nuts and peanuts) on the gut microbiota of humans: a systematic review. <i>British Journal of Nutrition</i> , 2021, 125, 508-520.	1.2	36
1146	Age-related changes in intestinal immunity and the microbiome. <i>Journal of Leukocyte Biology</i> , 2021, 109, 1045-1061.	1.5	33
1147	Microbial Metabolites, Postbiotics, and Intestinal Epithelial Function. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000188.	1.5	52
1148	Microbiota-immune system interactions and enteric virus infection. <i>Current Opinion in Virology</i> , 2021, 46, 15-19.	2.6	8
1149	Gut microbiota: An intermediary between metabolic syndrome and cognitive deficits in schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 106, 110097.	2.5	28
1150	Combination of polysaccharides from <i>Astragalus membranaceus</i> and <i>Codonopsis pilosula</i> ameliorated mice colitis and underlying mechanisms. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113280.	2.0	67
1151	Prebiotic effects of olive pomace powders in the gut: In vitro evaluation of the inhibition of adhesion of pathogens, prebiotic and antioxidant effects. <i>Food Hydrocolloids</i> , 2021, 112, 106312.	5.6	30
1152	Gut microbiome stability and resilience: elucidating the response to perturbations in order to modulate gut health. <i>Gut</i> , 2021, 70, 595-605.	6.1	265
1153	Genistein ameliorates inflammation and insulin resistance through mediation of gut microbiota composition in type 2 diabetic mice. <i>European Journal of Nutrition</i> , 2021, 60, 2155-2168.	1.8	38
1154	Profiling the differences of gut microbial structure between schizophrenia patients with and without violent behaviors based on 16S rRNA gene sequencing. <i>International Journal of Legal Medicine</i> , 2021, 135, 131-141.	1.2	18
1155	Butyrate as a bioactive human milk protective component against food allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1398-1415.	2.7	68
1156	Therapeutic mechanisms of traditional Chinese medicine to improve metabolic diseases via the gut microbiota. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110857.	2.5	67

#	ARTICLE	IF	CITATIONS
1157	Tris (1,3-dichloro-2-propyl) phosphate exposure disrupts the gut microbiome and its associated metabolites in mice. <i>Environment International</i> , 2021, 146, 106256.	4.8	11
1158	Chronic Liver Diseases and the Microbiome—Translating Our Knowledge of Gut Microbiota to Management of Chronic Liver Disease. <i>Gastroenterology</i> , 2021, 160, 556-572.	0.6	49
1159	Different effects of probiotics and antibiotics on the composition of microbiota, SCFAs concentrations and <i>FFAR2/3</i> mRNA expression in broiler chickens. <i>Journal of Applied Microbiology</i> , 2021, 131, 913-924.	1.4	7
1160	Therapeutic potential of natural products against atherosclerosis: Targeting on gut microbiota. <i>Pharmacological Research</i> , 2021, 163, 105362.	3.1	26
1161	Review of the relationships among polysaccharides, gut microbiota, and human health. <i>Food Research International</i> , 2021, 140, 109858.	2.9	169
1162	Novel and emerging prebiotics: Advances and opportunities. <i>Advances in Food and Nutrition Research</i> , 2021, 95, 41-95.	1.5	21
1163	Structure of a laminarin-type β -D-(1 \rightarrow 3)-glucan from brown algae <i>Sargassum henslowianum</i> and its potential on regulating gut microbiota. <i>Carbohydrate Polymers</i> , 2021, 255, 117389.	5.1	34
1164	<i>Scutellaria baicalensis</i> Georgi polysaccharide ameliorates DSS-induced ulcerative colitis by improving intestinal barrier function and modulating gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1035-1045.	3.6	211
1165	Modulation of the Gut Microbiota and Liver Transcriptome by Red Yeast Rice and <i>Monascus</i> Pigment Fermented by Purple <i>Monascus</i> SHM1105 in Rats Fed with a High-Fat Diet. <i>Frontiers in Pharmacology</i> , 2020, 11, 599760.	1.6	11
1166	Systems toxicogenomics of prenatal low-dose BPA exposure on liver metabolic pathways, gut microbiota, and metabolic health in mice. <i>Environment International</i> , 2021, 146, 106260.	4.8	42
1167	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
1168	Cross-feeding between <i>Bifidobacterium infantis</i> and <i>Anaerostipes caccae</i> on lactose and human milk oligosaccharides. <i>Beneficial Microbes</i> , 2021, 12, 69-83.	1.0	25
1169	Dietary fibre in gastrointestinal health and disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 101-116.	8.2	367
1170	Resistant starch intake alleviates collagen-induced arthritis in mice by modulating gut microbiota and promoting concomitant propionate production. <i>Journal of Autoimmunity</i> , 2021, 116, 102564.	3.0	45
1171	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
1172	Enteral versus Parenteral Nutrition as Nutritional Support after Allogeneic Hematopoietic Stem Cell Transplantation: a Systematic Review and Meta-Analysis. <i>Transplantation and Cellular Therapy</i> , 2021, 27, 180.e1-180.e8.	0.6	38
1173	Possible use of fermented foods in rehabilitation of anorexia nervosa: the gut microbiota as a modulator. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 107, 110201.	2.5	18
1174	Mechanisms of microbial-neuronal interactions in pain and nociception. <i>Neurobiology of Pain</i> (Cambridge, Mass), 2021, 9, 100056.	1.0	29

#	ARTICLE	IF	CITATIONS
1175	Probiotics-derived metabolite ameliorates skin allergy by promoting differentiation of FOXP3+ regulatory T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1517-1521.	1.5	8
1176	Dietary intake of mixture coarse cereals prevents obesity by altering the gut microbiota in high-fat diet fed mice. <i>Food and Chemical Toxicology</i> , 2021, 147, 111901.	1.8	34
1177	Gut Microbiota-Derived Metabolite Signature in Suckling and Weaned Piglets. <i>Journal of Proteome Research</i> , 2021, 20, 982-994.	1.8	31
1178	Deciphering Human Microbiotaâ€™Host Chemical Interactions. <i>ACS Central Science</i> , 2021, 7, 20-29.	5.3	19
1179	Insoluble dietary fiber derived from brown seaweed <i>Laminaria japonica</i> ameliorate obesity-related features <i>via</i> modulating gut microbiota dysbiosis in high-fat dietâ€™fed mice. <i>Food and Function</i> , 2021, 12, 587-601.	2.1	23
1180	Sleep and circadian disruption and the gut microbiome-possible links to dysregulated metabolism. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 17, 26-37.	0.6	16
1181	Narrative review on potential role of gut microbiota in certain substance addiction. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 106, 110093.	2.5	17
1182	Impact of gut microbiota: How it could play roles beyond the digestive system on development of cardiovascular and renal diseases. <i>Microbial Pathogenesis</i> , 2021, 152, 104583.	1.3	15
1183	Effects of high intake of cod or salmon on gut microbiota profile, faecal output and serum concentrations of lipids and bile acids in overweight adults: a randomised clinical trial. <i>European Journal of Nutrition</i> , 2021, 60, 2231-2248.	1.8	9
1184	The role of the gut microbiome in cancer-related fatigue: pilot study on epigenetic mechanisms. <i>Supportive Care in Cancer</i> , 2021, 29, 3173-3182.	1.0	26
1185	Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice. <i>European Journal of Nutrition</i> , 2021, 60, 2217-2230.	1.8	74
1186	Importance of gastrointestinal <i>in vitro</i> models for the poultry industry and feed formulations. <i>Animal Feed Science and Technology</i> , 2021, 271, 114730.	1.1	18
1187	Bacterial cross talk with gut microbiome and its implications: a short review. <i>Folia Microbiologica</i> , 2021, 66, 15-24.	1.1	13
1188	Increasing dietary fibre intake in healthy adults using personalised dietary advice compared with general advice: a single-blind randomised controlled trial. <i>Public Health Nutrition</i> , 2021, 24, 1117-1128.	1.1	10
1189	Gut microbial metabolites as multi-kingdom intermediates. <i>Nature Reviews Microbiology</i> , 2021, 19, 77-94.	13.6	557
1190	Chitosan alleviated menopausal symptoms and modulated the gut microbiota in estrogen-deficient rats. <i>European Journal of Nutrition</i> , 2021, 60, 1907-1919.	1.8	31
1191	Fermentation of prebiotics by human colonic microbiota <i>in vitro</i> and short-chain fatty acids production: a critical review. <i>Journal of Applied Microbiology</i> , 2021, 130, 677-687.	1.4	75
1192	The Microbiome in Health and Disease. , 2021, , 232-246.		1

#	ARTICLE	IF	CITATIONS
1193	Emerging Role of Microbiota in Precision Nutrition Approaches. , 2021, , 220-220.		1
1194	Interactions between the epithelial barrier and the microbiota in the reproductive tract. , 2021, , 387-436.		2
1195	Enteric Neurotoxicity and Salsolinol. , 2021, , 1-27.		0
1196	A Trait of Longevity: The Microbiota of Centenarians. , 2022, , 97-104.		0
1197	Does Drinking Coffee and Tea Affect Bone Metabolism in Patients with Inflammatory Bowel Diseases?. Nutrients, 2021, 13, 216.	1.7	6
1198	Gastroenterocardiology: Or what do the gut and the heart have in common?. Timocki Medicinski Glasnik, 2021, 46, 11-22.	0.0	0
1199	The Role of Gut Microbiota in the High-Risk Construct of Severe Mental Disorders: A Mini Review. Frontiers in Psychiatry, 2020, 11, 585769.	1.3	13
1200	Gut microbiota and lipid metabolism and metabolic syndrome. , 2021, , 283-293.		0
1201	Diabetes diminishes a typical metabolite of litchi pericarp oligomeric procyanidins (LPOPC) in urine mediated by imbalanced gut microbiota. Food and Function, 2021, 12, 5375-5386.	2.1	5
1202	Desulfovibrio vulgaris, a potent acetic acid-producing bacterium, attenuates nonalcoholic fatty liver disease in mice. Gut Microbes, 2021, 13, 1-20.	4.3	114
1203	Integration of constraint-based modeling with fecal metabolomics reveals large deleterious effects of <i>Fusobacterium</i> spp. on community butyrate production. Gut Microbes, 2021, 13, 1-23.	4.3	22
1204	The role of gut-immune-brain signaling in substance use disorders. International Review of Neurobiology, 2021, 157, 311-370.	0.9	7
1205	Microbiota fermentation characteristics of acylated starches and the regulation mechanism of short-chain fatty acids on hepatic steatosis. Food and Function, 2021, 12, 8659-8668.	2.1	14
1206	Human physiometric model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. Science Advances, 2021, 7, .	4.7	73
1207	Boosting the value of insoluble dietary fiber to increase gut fermentability through food processing. Food and Function, 2021, 12, 10658-10666.	2.1	13
1208	The Aged Intestine: Performance and Rejuvenation. , 2021, 12, 1693.		11
1209	An arabinogalactan from <i>Lycium barbarum</i> attenuates DSS-induced chronic colitis in C57BL/6J mice associated with the modulation of intestinal barrier function and gut microbiota. Food and Function, 2021, 12, 9829-9843.	2.1	40
1210	Chronic opioid use modulates human enteric microbiota and intestinal barrier integrity. Gut Microbes, 2021, 13, 1946368.	4.3	36

#	ARTICLE	IF	CITATIONS
1211	Targeted metabolomic analysis of seven short-chain fatty acids in feces of rats with spleen-deficiency syndrome after administering raw and bran-fried atractylodis rhizoma by gas chromatography-mass spectrometer. <i>Pharmacognosy Magazine</i> , 2021, 17, 93.	0.3	1
1212	Ginseng ameliorates exercise-induced fatigue potentially by regulating the gut microbiota. <i>Food and Function</i> , 2021, 12, 3954-3964.	2.1	30
1213	Research Progress on the Relationship between Cerebral Infarction and Intestinal Microbiome. <i>Advances in Clinical Medicine</i> , 2021, 11, 3083-3090.	0.0	0
1214	Targeting Enteroendocrine Cells to Treat Metabolic Disease. , 2021, , .		1
1215	Microbiome-Derived Metabolites in Allogeneic Hematopoietic Stem Cell Transplantation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1197.	1.8	20
1216	The contribution of gut bacterial metabolites in the human immune signaling pathway of non-communicable diseases. <i>Gut Microbes</i> , 2021, 13, 1-22.	4.3	99
1217	High fat diet, gut microbiome and gastrointestinal cancer. <i>Theranostics</i> , 2021, 11, 5889-5910.	4.6	60
1218	Lactic acid bacteria strains relieve hyperuricaemia by suppressing xanthine oxidase activity via a short-chain fatty acid-dependent mechanism. <i>Food and Function</i> , 2021, 12, 7054-7067.	2.1	50
1219	Butyrate-producing human gut symbiont, <i>Clostridium butyricum</i> , and its role in health and disease. <i>Gut Microbes</i> , 2021, 13, 1-28.	4.3	157
1220	An acetate-yielding diet imprints an immune and anti-microbial programme against enteric infection. <i>Clinical and Translational Immunology</i> , 2021, 10, e1233.	1.7	23
1221	The role of lactose in weanling pig nutrition: a literature and meta-analysis review. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 10.	2.1	18
1222	Altered Gut Microbial Metabolites in Amnesic Mild Cognitive Impairment and Alzheimer's Disease: Signals in Host-Microbe Interplay. <i>Nutrients</i> , 2021, 13, 228.	1.7	103
1223	Carbohydrates effects on nutrition and health functions in pigs. <i>Animal Science Journal</i> , 2021, 92, e13557.	0.6	2
1224	Effects of cereal fibers on short-chain fatty acids in healthy subjects and patients: a meta-analysis of randomized clinical trials. <i>Food and Function</i> , 2021, 12, 7040-7053.	2.1	6
1225	A High Amylose Wheat Diet Improves Gastrointestinal Health Parameters and Gut Microbiota in Male and Female Mice. <i>Foods</i> , 2021, 10, 220.	1.9	7
1226	Human Milk Oligosaccharides and Microbiome Homeostasis. , 2021, , 372-388.		0
1227	Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000390.	1.5	42
1228	From taxonomy to metabolic output: what factors define gut microbiome health?. <i>Gut Microbes</i> , 2021, 13, 1-20.	4.3	19

#	ARTICLE	IF	CITATIONS
1229	Dietary betaine prevents obesity through gut microbiota-driven microRNA-378a family. <i>Gut Microbes</i> , 2021, 13, 1-19.	4.3	58
1230	<i>Mucuna pruriens</i> treatment shows anti-obesity and intestinal health effects on obese rats. <i>Food and Function</i> , 2021, 12, 6479-6489.	2.1	12
1231	Regulation of Gastrointestinal Immunity by Metabolites. <i>Nutrients</i> , 2021, 13, 167.	1.7	26
1232	Goat and cow milk differ in altering microbiota composition and fermentation products in rats with gut dysbiosis induced by amoxicillin. <i>Food and Function</i> , 2021, 12, 3104-3119.	2.1	5
1233	The lung-gut axis during viral respiratory infections: the impact of gut dysbiosis on secondary disease outcomes. <i>Mucosal Immunology</i> , 2021, 14, 296-304.	2.7	160
1234	Propionate attenuates atherosclerosis by immune-dependent regulation of intestinal cholesterol metabolism. <i>European Heart Journal</i> , 2022, 43, 518-533.	1.0	113
1235	Modulation of Short-Chain Fatty Acids as Potential Therapy Method for Type 2 Diabetes Mellitus. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2021, 2021, 1-13.	0.7	26
1236	The Impact of Migration on the Gut Metagenome of South Asian Canadians. <i>Gut Microbes</i> , 2021, 13, 1-29.	4.3	14
1237	Maternal galactooligosaccharides supplementation programmed immune defense, microbial colonization and intestinal development in piglets. <i>Food and Function</i> , 2021, 12, 7260-7270.	2.1	8
1238	Microbiota-related effects of prebiotic fibres in lipopolysaccharide-induced endotoxemic mice: short chain fatty acid production and gut commensal translocation. <i>Food and Function</i> , 2021, 12, 7343-7357.	2.1	14
1239	Diabetogenically beneficial gut microbiota alterations in third trimester of pregnancy. <i>Reproduction and Fertility</i> , 2021, 2, R1-R12.	0.6	3
1240	Bone and the microbiome. , 2021, , 969-988.		0
1242	Intestinal Inflammation as a Dysbiosis of Energy Procurement: New Insights into an Old Topic. <i>Gut Microbes</i> , 2021, 13, 1-20.	4.3	13
1243	Plant origin prebiotics affect duodenal brush border membrane functionality and morphology, <i>in vivo</i> (<i>Gallus Gallus</i>). <i>Food and Function</i> , 2021, 12, 6157-6166.	2.1	9
1244	Gold digging: Searching for gut microbiota that enhances antitumor immunity. <i>Journal of Cellular Physiology</i> , 2021, 236, 5495-5511.	2.0	2
1245	The Gut-Bone Axis: Role of Gut Microbiota in Osteoporosis. , 2021, , .		0
1246	Gut Microbiome Signatures in Health and Diseases. , 2022, , 344-353.		0
1247	Microbiota as a Regulator of Circadian Rhythms—Special Focus on Sleep and Metabolism. , 2021, , 69-69.		1

#	ARTICLE	IF	CITATIONS
1248	Gut Microbiome and Liver Cancer. <i>Physiology in Health and Disease</i> , 2021, , 199-255.	0.2	0
1249	Identification of the key characteristics of <i>Bifidobacterium longum</i> strains for the alleviation of ulcerative colitis. <i>Food and Function</i> , 2021, 12, 3476-3492.	2.1	23
1250	Gut microbiota and their effects on atherosclerosis, platelet function, and hypertension. , 2021, , 295-309.		0
1251	<i>Pediococcus pentosaceus</i> PP04 improves high-fat diet-induced liver injury by the modulation of gut inflammation and intestinal microbiota in C57BL/6N mice. <i>Food and Function</i> , 2021, 12, 6851-6862.	2.1	20
1252	Nutrient Quality and Diversity in Foods for Optimal Nutrition. , 2021, , 689-696.		1
1253	Advanced Metabolomics for Metabolic Syndrome/Metabolic Diseases. , 2021, , 593-609.		0
1254	A comprehensive review for gut microbes: technologies, interventions, metabolites and diseases. <i>Briefings in Functional Genomics</i> , 2021, 20, 42-60.	1.3	19
1255	Distinctive gut microbial dysbiosis between chronic alcoholic fatty liver disease and metabolic-associated fatty liver disease in mice. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 418.	0.8	19
1256	Lysates of <i>Methylococcus capsulatus</i> Bath induce a lean-like microbiota, intestinal FoxP3+ROR γ t+IL-17+ Tregs and improve metabolism. <i>Nature Communications</i> , 2021, 12, 1093.	5.8	24
1257	Pectic hydrolysates in the diet of Nile tilapia (<i>Oreochromis niloticus</i>): Performance, nutritional composition, histological parameters, enzymatic activity, hepatic parameters and intestinal contents. <i>Aquaculture Research</i> , 2021, 52, 2662-2671.	0.9	1
1258	A Review on the Health Effects of Pesticides Based on Host Gut Microbiome and Metabolomics. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 632955.	1.6	20
1259	Components of a Neanderthal gut microbiome recovered from fecal sediments from El Salt. <i>Communications Biology</i> , 2021, 4, 169.	2.0	28
1260	Can we modulate the breastfed infant gut microbiota through maternal diet?. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	3.9	18
1261	RS5 Produced More Butyric Acid through Regulating the Microbial Community of Human Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3209-3218.	2.4	76
1262	The Butyrate-Producing Bacterium <i>Clostridium butyricum</i> Suppresses <i>Clostridioides difficile</i> Infection via Neutrophil- and Antimicrobial Cytokine-Dependent but GPR43/109a-Independent Mechanisms. <i>Journal of Immunology</i> , 2021, 206, 1576-1585.	0.4	47
1263	New Insights into Stroke Prevention and Treatment: Gut Microbiome. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 455-472.	1.7	15
1264	Effects of sodium butyrate supplementation on inflammation, gut microbiota, and short-chain fatty acids in <i>Helicobacter pylori</i> -infected mice. <i>Helicobacter</i> , 2021, 26, e12785.	1.6	17
1266	Combined use of lactic-acid-producing bacteria as probiotics and rotavirus vaccine candidates expressing virus-specific proteins. <i>Archives of Virology</i> , 2021, 166, 995-1006.	0.9	9

#	ARTICLE	IF	CITATIONS
1267	Extra-virgin olive oil and the gut-brain axis: influence on gut microbiota, mucosal immunity, and cardiometabolic and cognitive health. <i>Nutrition Reviews</i> , 2021, 79, 1362-1374.	2.6	39
1268	The beneficial or detrimental fluoride to gut microbiota depends on its dosages. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111732.	2.9	7
1269	A single strain of <i>Bacteroides fragilis</i> protects gut integrity and reduces GVHD. <i>JCI Insight</i> , 2021, 6, .	2.3	43
1270	The Role of the Gut Microbiome, Immunity, and Neuroinflammation in the Pathophysiology of Eating Disorders. <i>Nutrients</i> , 2021, 13, 500.	1.7	33
1271	The role of the gut microbiota on the metabolic status of obese children. <i>Microbial Cell Factories</i> , 2021, 20, 53.	1.9	27
1272	When a Neonate Is Born, So Is a Microbiota. <i>Life</i> , 2021, 11, 148.	1.1	33
1273	Multiomics analysis reveals the presence of a microbiome in the gut of fetal lambs. <i>Gut</i> , 2021, 70, 853-864.	6.1	52
1274	The gut microbiome modulates the protective association between a Mediterranean diet and cardiometabolic disease risk. <i>Nature Medicine</i> , 2021, 27, 333-343.	15.2	179
1275	Dysbiosis in Pediatrics Is Associated with Respiratory Infections: Is There a Place for Bacterial-Derived Products?. <i>Microorganisms</i> , 2021, 9, 448.	1.6	12
1276	Perinatal and Early-Life Nutrition, Epigenetics, and Allergy. <i>Nutrients</i> , 2021, 13, 724.	1.7	82
1277	Metabolic Modeling to Interrogate Microbial Disease: A Tale for Experimentalists. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 634479.	1.6	7
1278	New perspective toward nutritional support for malnourished cancer patients: Role of lipids. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 1381-1421.	5.9	13
1279	Effects of different defatted rice bran sources and processing technologies on nutrient digestibility in cannulated growing pigs. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	2
1280	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 3159-3170.	1.8	46
1281	Healthy Gut, Healthy Bones: Targeting the Gut Microbiome to Promote Bone Health. <i>Frontiers in Endocrinology</i> , 2020, 11, 620466.	1.5	25
1282	Fermentation of dietary fibers modified by an enzymatic-ultrasonic treatment and evaluation of their impact on gut microbiota in mice. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15337.	0.9	6
1283	Of bowels, brain and behavior: A role for the gut microbiota in psychiatric comorbidities in irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14095.	1.6	21
1284	Secretory Defense Response in the Bird's Gastro-Intestinal Tract and Nutritional Strategies to Modulate It. , 0, , .		0

#	ARTICLE	IF	CITATIONS
1285	The Gut Microbiome During Pregnancy. <i>Maternal-Fetal Medicine</i> , 2023, 5, 36-43.	0.4	5
1286	A Novel Grape-Derived Prebiotic Selectively Enhances Abundance and Metabolic Activity of Butyrate-Producing Bacteria in Faecal Samples. <i>Frontiers in Microbiology</i> , 2021, 12, 639948.	1.5	3
1287	Role of gut microbiome in the outcome of cancer immunotherapy. <i>International Journal of Cancer</i> , 2021, 149, 760-768.	2.3	3
1288	Taxonomic and Functional Characteristics of the Gill and Gastrointestinal Microbiota and Its Correlation with Intestinal Metabolites in NEW GIFT Strain of Farmed Adult Nile Tilapia (<i>Oreochromis</i>) Tj ETQq1 1 0z784314 rg5T /Ove		
1289	Reduced Intestinal Fucosylation in Mice Exposed to Psychological Stress. <i>Trends in Glycoscience and Glycotechnology</i> , 2021, 33, J21-J26.	0.0	0
1290	PARAPROBÄ°YOTÄ°KLER, POSTBÄ°YOTÄ°KLER VE SAÄžLIK ĀœZERÄ°NE ETKÄ°LERÄ°. <i>GÄ±da</i> , 2021, 46, 428-442.	0.1	3
1291	The effects of the fiber source and xylanase supplementation on production, egg quality, digestibility, and intestinal morphology in the aged laying hen. <i>Poultry Science</i> , 2021, 100, 100936.	1.5	11
1292	Pb Toxicity on Gut Physiology and Microbiota. <i>Frontiers in Physiology</i> , 2021, 12, 574913.	1.3	19
1293	Young at Gutâ€”Turning Back the Clock with the Gut Microbiome. <i>Microorganisms</i> , 2021, 9, 555.	1.6	9
1295	An efficient system for intestinal on-site butyrate production using novel microbiome-derived esterases. <i>Journal of Biological Engineering</i> , 2021, 15, 9.	2.0	1
1296	Shortâ€chain fatty acids increase intracellular calcium levels and enhance gut hormone release from STCâ€1 cells via transient receptor potential Ankyrin1. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 1004-1017.	1.0	5
1297	New Avenues for Parkinsonâ€™s Disease Therapeutics: Disease-Modifying Strategies Based on the Gut Microbiota. <i>Biomolecules</i> , 2021, 11, 433.	1.8	38
1298	Higher intake of microbiota-accessible carbohydrates and improved cardiometabolic risk factors: a meta-analysis and umbrella review of dietary management in patients with type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1515-1530.	2.2	21
1299	The role of short-chain fatty acids in intestinal barrier function, inflammation, oxidative stress, and colonic carcinogenesis. <i>Pharmacological Research</i> , 2021, 165, 105420.	3.1	245
1300	Oral administration of <i>Akkermansia muciniphila</i> elevates systemic antiaging and anticancer metabolites. <i>Aging</i> , 2021, 13, 6375-6405.	1.4	75
1301	Key bacterial taxa and metabolic pathways affecting gut short-chain fatty acid profiles in early life. <i>ISME Journal</i> , 2021, 15, 2574-2590.	4.4	131
1302	Gut microbiota-derived metabolites in the regulation of host immune responses and immune-related inflammatory diseases. <i>Cellular and Molecular Immunology</i> , 2021, 18, 866-877.	4.8	175
1303	Preoperative Microbiomes and Intestinal Barrier Function Can Differentiate Prodromal Alzheimerâ€™s Disease From Normal Neurocognition in Elderly Patients Scheduled to Undergo Orthopedic Surgery. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 592842.	1.8	16

#	ARTICLE	IF	CITATIONS
1304	Regulation of Intestinal Stem Cell Stemness by the Aryl Hydrocarbon Receptor and Its Ligands. <i>Frontiers in Immunology</i> , 2021, 12, 638725.	2.2	9
1305	Butyrate Suppresses Glucose Metabolism of Colorectal Cancer Cells via GPR109a-AKT Signaling Pathway and Enhances Chemotherapy. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 634874.	1.6	56
1306	Identification of gut microbiota signatures in symptomatic dermatographism. <i>Experimental Dermatology</i> , 2021, 30, 1794-1799.	1.4	4
1307	Microbial Metabolites in Colorectal Cancer: Basic and Clinical Implications. <i>Metabolites</i> , 2021, 11, 159.	1.3	23
1308	Xylitol enhances synthesis of propionate in the colon via cross-feeding of gut microbiota. <i>Microbiome</i> , 2021, 9, 62.	4.9	52
1309	Raw Milk-Induced Protection against Food Allergic Symptoms in Mice Is Accompanied by Shifts in Microbial Community Structure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3417.	1.8	10
1310	Antibiotics biomonitoring in urine and obesogenic risk in a community-dwelling elderly population. <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111863.	2.9	16
1311	<i>In vitro</i> investigation of food effects on human gut microbiota. <i>Journal of Applied Biological Chemistry</i> , 2021, 64, 75-81.	0.2	2
1312	Gut Microbiota and Obesity in Adults and Children: The State of the Art. <i>Frontiers in Pediatrics</i> , 2021, 9, 657020.	0.9	31
1313	Mechanism and Basis of Traditional Chinese Medicine Against Obesity: Prevention and Treatment Strategies. <i>Frontiers in Pharmacology</i> , 2021, 12, 615895.	1.6	14
1314	Impaired Intestinal Barrier and Tissue Bacteria: Pathomechanisms for Metabolic Diseases. <i>Frontiers in Endocrinology</i> , 2021, 12, 616506.	1.5	56
1315	Interplay Between the Intestinal Microbiota and Acute Graft-Versus-Host Disease: Experimental Evidence and Clinical Significance. <i>Frontiers in Immunology</i> , 2021, 12, 644982.	2.2	15
1316	Development of an Affordable, Sustainable and Efficacious Plant-Based Immunomodulatory Food Ingredient Based on Bell Pepper or Carrot RG-I Pectic Polysaccharides. <i>Nutrients</i> , 2021, 13, 963.	1.7	16
1317	The Intestinal Fatty Acid-Enteroendocrine Interplay, Emerging Roles for Olfactory Signaling and Serotonin Conjugates. <i>Molecules</i> , 2021, 26, 1416.	1.7	9
1318	Barley Leaf Insoluble Dietary Fiber Alleviated Dextran Sulfate Sodium-Induced Mice Colitis by Modulating Gut Microbiota. <i>Nutrients</i> , 2021, 13, 846.	1.7	39
1319	The effects of myeloablative or non-myeloablative total body irradiations on intestinal tract in mice. <i>Bioscience Reports</i> , 2021, 41, .	1.1	5
1320	Bacterial community structure alterations within the colorectal cancer gut microbiome. <i>BMC Microbiology</i> , 2021, 21, 98.	1.3	26
1321	Human gut-associated lymphoid tissues (GALT); diversity, structure, and function. <i>Mucosal Immunology</i> , 2021, 14, 793-802.	2.7	153

#	ARTICLE	IF	CITATIONS
1322	Metabolic and immunological effects of gut microbiota in leaf beetles at the local and systemic levels. <i>Integrative Zoology</i> , 2021, 16, 313-323.	1.3	41
1323	Response of bacterial community in sea cucumber <i>Apostichopus japonicus</i> intestine, surrounding water and sediment subjected to high-temperature stress. <i>Aquaculture</i> , 2021, 535, 736353.	1.7	17
1324	Insights into host-microbe interaction: What can we do for the swine industry?. <i>Animal Nutrition</i> , 2021, 7, 17-23.	2.1	4
1325	Approaching precision medicine by tailoring the microbiota. <i>Mammalian Genome</i> , 2021, 32, 206-222.	1.0	3
1326	Dietary Polyphenols to Combat Nonalcoholic Fatty Liver Disease via the Gut-Brain-Liver Axis: A Review of Possible Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3585-3600.	2.4	25
1327	A literature survey on antimicrobial and immune-modulatory effects of butyrate revealing non-antibiotic approaches to tackle bacterial infections. <i>European Journal of Microbiology and Immunology</i> , 2021, 11, 1-9.	1.5	13
1328	The Role of Immune Response and Microbiota on <i>Campylobacteriosis</i> . , 0, , .		1
1329	Reduced Intestinal Fucosylation in Mice Exposed to Psychological Stress. <i>Trends in Glycoscience and Glycotechnology</i> , 2021, 33, E21-E26.	0.0	0
1330	Water soluble dietary fiber from walnut meal as a prebiotic in preventing metabolic syndrome. <i>Journal of Functional Foods</i> , 2021, 78, 104358.	1.6	17
1331	Host genetics exerts lifelong effects upon hindgut microbiota and its association with bovine growth and immunity. <i>ISME Journal</i> , 2021, 15, 2306-2321.	4.4	39
1332	Gut Immunity and Microbiota Dysbiosis Are Associated with Altered Bile Acid Metabolism in LPS-Challenged Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	27
1333	High-fiber diets attenuate emphysema development via modulation of gut microbiota and metabolism. <i>Scientific Reports</i> , 2021, 11, 7008.	1.6	53
1334	Chicken Egg Yolk Antibody (IgY) Protects Mice Against Enterotoxigenic <i>Escherichia coli</i> Infection Through Improving Intestinal Health and Immune Response. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 662710.	1.8	8
1335	Gut Microbiome in a Russian Cohort of Pre- and Post-Cholecystectomy Female Patients. <i>Journal of Personalized Medicine</i> , 2021, 11, 294.	1.1	10
1336	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
1337	Gut microbiota-derived inosine from dietary barley leaf supplementation attenuates colitis through PPAR γ signaling activation. <i>Microbiome</i> , 2021, 9, 83.	4.9	101
1338	Advances in Microbiome Detection Technologies and Application in Antirheumatic Drug Design. <i>Current Pharmaceutical Design</i> , 2021, 27, 891-899.	0.9	0
1339	Role of Short Chain Fatty Acids and Apolipoproteins in the Regulation of Eosinophilia-Associated Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4377.	1.8	10

#	ARTICLE	IF	CITATIONS
1340	Modulating host gene expression via gut microbiomeâ€™microRNA interplay to treat human diseases. <i>Critical Reviews in Microbiology</i> , 2021, 47, 596-611.	2.7	4
1341	Exopolysaccharide from <i>Leuconostoc pseudomesenteroides</i> XG5 delay the onset of autoimmune diabetes by modulating gut microbiota and its metabolites SCFAs in NOD mice. <i>Journal of Functional Foods</i> , 2021, 79, 104427.	1.6	4
1342	Gut microbial-derived short-chain fatty acids and bone: a potential role in fracture healing. , 2021, 41, 454-470.		19
1343	Phosphate, Microbiota and CKD. <i>Nutrients</i> , 2021, 13, 1273.	1.7	18
1344	Effect of substrate load on anaerobic fermentation of rice straw with rumen liquid as inoculum: Hydrolysis and acidogenesis efficiency, enzymatic activities and rumen bacterial community structure. <i>Waste Management</i> , 2021, 124, 235-243.	3.7	38
1345	Human Stool Metabolome Differs upon 24 h Blood Pressure Levels and Blood Pressure Dipping Status: A Prospective Longitudinal Study. <i>Metabolites</i> , 2021, 11, 282.	1.3	7
1346	The role of butyrate in surgical and oncological outcomes in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G601-G608.	1.6	39
1347	Non-Alcoholic Fatty Liver Disease in Obese Youth With Insulin Resistance and Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2021, 12, 639548.	1.5	35
1348	Review: The Role of Intestinal Dysbiosis in Parkinsonâ€™s Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 615075.	1.8	34
1349	The Role of the Gut-Liver Axis in Metabolic Dysfunction-Associated Fatty Liver Disease. <i>Frontiers in Immunology</i> , 2021, 12, 660179.	2.2	56
1350	Antioxidant activity and short-chain fatty acid production of lactic acid bacteria isolated from Korean individuals and fermented foods. <i>3 Biotech</i> , 2021, 11, 217.	1.1	47
1351	Efficacy and safety of inulin supplementation for functional constipation: a systematic review protocol. <i>BMJ Open</i> , 2021, 11, e042597.	0.8	3
1352	Metabolic profiles of oligosaccharides derived from four microbial polysaccharides by faecal inocula from type 2 diabetes patients. <i>International Journal of Food Sciences and Nutrition</i> , 2021, 72, 1-12.	1.3	7
1353	Fecal Microbiota Perspective for Evaluation of Prebiotic Potential of Bamboo Hemicellulose Hydrolysate in Mice: A Preliminary Study. <i>Microorganisms</i> , 2021, 9, 888.	1.6	3
1354	Short-chain fatty acids and intestinal inflammation in multiple sclerosis: modulation of female susceptibility by microbial products?. <i>Autoimmunity Highlights</i> , 2021, 12, 7.	3.9	11
1355	Hydratability and improved fermentability in vitro of guar gum by combination of xanthan gum. <i>Carbohydrate Polymers</i> , 2021, 258, 117625.	5.1	9
1356	A New Strain of <i>Christensenella minuta</i> as a Potential Biotherapy for Obesity and Associated Metabolic Diseases. <i>Cells</i> , 2021, 10, 823.	1.8	42
1357	A toolbox for the comprehensive analysis of small volume human intestinal samples that can be used with gastrointestinal sampling capsules. <i>Scientific Reports</i> , 2021, 11, 8133.	1.6	9

#	ARTICLE	IF	CITATIONS
1358	Role of Epigenetic Regulation in Plasticity of Tumor Immune Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 640369.	2.2	26
1359	The importance of prebiotics in the regulation of metabolic syndrome disorders. <i>Ukrainian Therapeutical Journal</i> , 2021, , .	0.0	0
1361	Association between Fruit and Vegetable Intakes and Mental Health in the Australian Diabetes Obesity and Lifestyle Cohort. <i>Nutrients</i> , 2021, 13, 1447.	1.7	5
1362	Gut Microbiota and Gynecological Cancers: A Summary of Pathogenetic Mechanisms and Future Directions. <i>ACS Infectious Diseases</i> , 2021, 7, 987-1009.	1.8	32
1363	Impact of sugar beet pulp and wheat bran on serum biochemical profile, inflammatory responses and gut microbiota in sows during late gestation and lactation. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 54.	2.1	35
1365	A plasmid locus associated with <i>Klebsiella</i> clinical infections encodes a microbiome-dependent gut fitness factor. <i>PLoS Pathogens</i> , 2021, 17, e1009537.	2.1	20
1366	The Gut Microbiome and Cardiovascular Disease. <i>Cureus</i> , 2021, 13, e14519.	0.2	12
1367	Choline Metabolites, Hydroxybutyrate and HDL after Dietary Fiber Supplementation in Overweight/Obese Hypertensive Women: A Metabolomic Study. <i>Nutrients</i> , 2021, 13, 1437.	1.7	6
1368	Isolation and genomic characterization of five novel strains of <i>Erysipelotrichaceae</i> from commercial pigs. <i>BMC Microbiology</i> , 2021, 21, 125.	1.3	29
1369	An In Vitro Pilot Fermentation Study on the Impact of <i>Chlorella pyrenoidosa</i> on Gut Microbiome Composition and Metabolites in Healthy and Coeliac Subjects. <i>Molecules</i> , 2021, 26, 2330.	1.7	4
1370	Butyrate: A Link between Early Life Nutrition and Gut Microbiome in the Development of Food Allergy. <i>Life</i> , 2021, 11, 384.	1.1	16
1371	Glycerol Monocaprylate Modulates Gut Microbiota and Increases Short-Chain Fatty Acids Production without Adverse Effects on Metabolism and Inflammation. <i>Nutrients</i> , 2021, 13, 1427.	1.7	11
1372	Gut Microbiota Composition and Epigenetic Molecular Changes Connected to the Pathogenesis of Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 1436-1455.	1.1	30
1373	Pathophysiology of Hypertension. <i>Circulation Research</i> , 2021, 128, 847-863.	2.0	112
1374	Long-term dietary patterns are associated with pro-inflammatory and anti-inflammatory features of the gut microbiome. <i>Gut</i> , 2021, 70, 1287-1298.	6.1	246
1375	The Microbiota-Gut-Brain Axis: From Motility to Mood. <i>Gastroenterology</i> , 2021, 160, 1486-1501.	0.6	356
1376	Multi-Strain Probiotics: Synergy among Isolates Enhances Biological Activities. <i>Biology</i> , 2021, 10, 322.	1.3	49
1377	Association of Increased Circulating Acetic Acid With Poor Survival in <i>Pseudomonas aeruginosa</i> Ventilator-Associated Pneumonia Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 669409.	1.8	0

#	ARTICLE	IF	CITATIONS
1378	Gastrointestinal Microenvironment and the Gut-Lung Axis in the Immune Responses of Severe COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 647508.	1.6	9
1379	Microbiota and Metabolites as Factors Influencing Blood Pressure Regulation. , 2021, 11, 1731-1757.		3
1380	Dietary Fiber Ameliorates Lipopolysaccharide-Induced Intestinal Barrier Function Damage in Piglets by Modulation of Intestinal Microbiome. <i>MSystems</i> , 2021, 6, .	1.7	26
1381	Whole Alga, Algal Extracts, and Compounds as Ingredients of Functional Foods: Composition and Action Mechanism Relationships in the Prevention and Treatment of Type-2 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3816.	1.8	34
1382	High-Fiber, Whole-Food Dietary Intervention Alters the Human Gut Microbiome but Not Fecal Short-Chain Fatty Acids. <i>MSystems</i> , 2021, 6, .	1.7	69
1384	Evolutionary Significance of the Neuroendocrine Stress Axis on Vertebrate Immunity and the Influence of the Microbiome on Early-Life Stress Regulation and Health Outcomes. <i>Frontiers in Microbiology</i> , 2021, 12, 634539.	1.5	15
1385	The aging gut microbiome and its impact on host immunity. <i>Genes and Immunity</i> , 2021, 22, 289-303.	2.2	164
1386	Next-Generation Probiotics and Their Metabolites in COVID-19. <i>Microorganisms</i> , 2021, 9, 941.	1.6	35
1387	Potential prebiotic functions of a characterised <i>Ehretia macrophylla</i> Wall. fruit polysaccharide. <i>International Journal of Food Science and Technology</i> , 2022, 57, 35-47.	1.3	1
1388	Microbiota-mediated protection against antibiotic-resistant pathogens. <i>Genes and Immunity</i> , 2021, 22, 255-267.	2.2	19
1389	PREBIOTICS FOR ACUTE ISCHEMIC STROKE. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 0, , 1-10.	0.3	1
1390	Gut microbiota modulates the inflammatory response and cognitive impairment induced by sleep deprivation. <i>Molecular Psychiatry</i> , 2021, 26, 6277-6292.	4.1	96
1392	Maternal microbiome in preeclampsia pathophysiology and implications on offspring health. <i>Physiological Reports</i> , 2021, 9, e14875.	0.7	24
1393	Probiotics-induced changes in gut microbial composition and its effects on cognitive performance after stress: exploratory analyses. <i>Translational Psychiatry</i> , 2021, 11, 300.	2.4	50
1394	Novel advances in understanding fatty acidâ€‘binding G proteinâ€‘coupled receptors and their roles in controlling energy balance. <i>Nutrition Reviews</i> , 2022, 80, 187-199.	2.6	6
1395	Next-generation therapeutic bacteria for treatment of obesity, diabetes, and other endocrine diseases. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2021, 35, 101504.	2.2	16
1396	Gut microbiome variation modulates the effects of dietary fiber on host metabolism. <i>Microbiome</i> , 2021, 9, 117.	4.9	61
1397	Targeting the Gut Microbiota for Remediating Obesity and Related Metabolic Disorders. <i>Journal of Nutrition</i> , 2021, 151, 1703-1716.	1.3	7

#	ARTICLE	IF	CITATIONS
1398	Trimethylamine/Trimethylamine-N-Oxide as a Key Between Diet and Cardiovascular Diseases. <i>Cardiovascular Toxicology</i> , 2021, 21, 593-604.	1.1	18
1399	Conventional myelosuppressive chemotherapy for non-haematological malignancy disrupts the intestinal microbiome. <i>BMC Cancer</i> , 2021, 21, 591.	1.1	11
1400	Dietary Fibre Modulates the Gut Microbiota. <i>Nutrients</i> , 2021, 13, 1655.	1.7	225
1401	Supplementation of <i>Lactobacillus</i> early in life alters attention bias to threat in piglets. <i>Scientific Reports</i> , 2021, 11, 10130.	1.6	10
1402	Roles for the gut microbiota in regulating neuronal feeding circuits. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	26
1403	Interplay of Microbiota and Citrullination in the Immunopathogenesis of Rheumatoid Arthritis. <i>Probiotics and Antimicrobial Proteins</i> , 2022, 14, 99-113.	1.9	11
1405	A biomimetic natural sciences approach to understanding the mechanisms of ageing in burden of lifestyle diseases. <i>Clinical Science</i> , 2021, 135, 1251-1272.	1.8	7
1406	Functional Amino Acids in Pigs and Chickens: Implication for Gut Health. <i>Frontiers in Veterinary Science</i> , 2021, 8, 663727.	0.9	49
1407	In vitro fermentation characteristics of polysaccharide from <i>Sargassum fusiforme</i> and its modulation effects on gut microbiota. <i>Food and Chemical Toxicology</i> , 2021, 151, 112145.	1.8	40
1408	The effects of combined environmental factors on the intestinal flora of mice based on ground simulation experiments. <i>Scientific Reports</i> , 2021, 11, 11373.	1.6	1
1409	Whole grain cereals: the potential roles of functional components in human health. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8388-8402.	5.4	23
1410	Physiological Functions Mediated by Yuzu (<i>Citrus junos</i>) Seed-Derived Nutrients. , 0, , .		0
1411	Anaerobe-enriched gut microbiota predicts pro-inflammatory responses in pulmonary tuberculosis. <i>EBioMedicine</i> , 2021, 67, 103374.	2.7	22
1412	Host-microbial interactions in the metabolism of different dietary fats. <i>Cell Metabolism</i> , 2021, 33, 857-872.	7.2	29
1413	Gut Microbiome and Metabolites in Patients with NAFLD and after Bariatric Surgery: A Comprehensive Review. <i>Metabolites</i> , 2021, 11, 353.	1.3	19
1414	Intestinal microbial diversity is higher in Pacific abalone (<i>Haliotis discus hannai</i>) with slower growth rates. <i>Aquaculture</i> , 2021, 537, 736500.	1.7	19
1415	Healthy Cotwins Share Gut Microbiome Signatures With Their Inflammatory Bowel Disease Twins and Unrelated Patients. <i>Gastroenterology</i> , 2021, 160, 1970-1985.	0.6	31
1416	FFAR from the Gut Microbiome Crowd: SCFA Receptors in T1D Pathology. <i>Metabolites</i> , 2021, 11, 302.	1.3	9

#	ARTICLE	IF	CITATIONS
1417	The Impact of Microbiome and Microbiota-Derived Sodium Butyrate on Drosophila Transcriptome and Metabolome Revealed by Multi-Omics Analysis. <i>Metabolites</i> , 2021, 11, 298.	1.3	13
1418	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
1419	Development of an Efficient and Sensitive Chemical Derivatization-Based LC-MS/MS Method for Quantifying Gut Microbiota-Derived Metabolites in Human Plasma and Its Application in Studying Cardiovascular Disease. <i>Journal of Proteome Research</i> , 2021, 20, 3508-3518.	1.8	19
1420	Regulation of the gut barrier by carbohydrates from diet – Underlying mechanisms and possible clinical implications. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151499.	1.5	12
1421	Porphyran-derived oligosaccharides alleviate NAFLD and related cecal microbiota dysbiosis in mice. <i>FASEB Journal</i> , 2021, 35, e21458.	0.2	12
1422	The fecal microbiota of patients with pancreatic ductal adenocarcinoma and autoimmune pancreatitis characterized by metagenomic sequencing. <i>Journal of Translational Medicine</i> , 2021, 19, 215.	1.8	39
1423	Gut Microbiota May Not Be Fully Restored in Recovered COVID-19 Patients After 3-Month Recovery. <i>Frontiers in Nutrition</i> , 2021, 8, 638825.	1.6	33
1424	Toxicity Assessment of Nano-ZnO Exposure on the Human Intestinal Microbiome, Metabolic Functions, and Resistome Using an In Vitro Colon Simulator. <i>Environmental Science & Technology</i> , 2021, 55, 6884-6896.	4.6	24
1425	Gut microbiota variations in patients diagnosed with major depressive disorder – A systematic review. <i>Brain and Behavior</i> , 2021, 11, e02177.	1.0	45
1426	Characterization of gut microbiome in mice model of depression with divergent response to escitalopram treatment. <i>Translational Psychiatry</i> , 2021, 11, 303.	2.4	48
1427	Long-read metagenomics retrieves complete single-contig bacterial genomes from canine feces. <i>BMC Genomics</i> , 2021, 22, 330.	1.2	41
1428	Gut microbial metabolites facilitate anticancer therapy efficacy by modulating cytotoxic CD8+ T cell immunity. <i>Cell Metabolism</i> , 2021, 33, 988-1000.e7.	7.2	264
1429	Ovomucin Ameliorates Intestinal Barrier and Intestinal Bacteria to Attenuate DSS-Induced Colitis in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5887-5896.	2.4	31
1430	Probiotic Supplementation Facilitates Recovery of 6-OHDA-Induced Motor Deficit via Improving Mitochondrial Function and Energy Metabolism. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 668775.	1.7	28
1431	Differences in Gut Microbiome Composition and Antibiotic Resistance Gene Distribution between Chinese and Pakistani University Students from a Common Peer Group. <i>Microorganisms</i> , 2021, 9, 1152.	1.6	8
1432	Current status of xylooligosaccharides: Production, characterization, health benefits and food application. <i>Trends in Food Science and Technology</i> , 2021, 111, 506-519.	7.8	84
1433	Comparison of Different Soluble Dietary Fibers during the <i>In Vitro</i> Fermentation Process. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7446-7457.	2.4	22
1434	Parabacteroides produces acetate to alleviate heparanase-exacerbated acute pancreatitis through reducing neutrophil infiltration. <i>Microbiome</i> , 2021, 9, 115.	4.9	97

#	ARTICLE	IF	CITATIONS
1435	Short-chain fatty acids and bile acids in human faeces are associated with the intestinal cholesterol conversion status. <i>British Journal of Pharmacology</i> , 2021, 178, 3342-3353.	2.7	11
1436	The interaction between the gut microbiota and dietary carbohydrates in nonalcoholic fatty liver disease. <i>Experimental and Molecular Medicine</i> , 2021, 53, 809-822.	3.2	12
1437	Emerging roles of non-histone protein crotonylation in biomedicine. <i>Cell and Bioscience</i> , 2021, 11, 101.	2.1	13
1438	The effects of nondigestible fermentable carbohydrates on adults with overweight or obesity: a meta-analysis of randomized controlled trials. <i>Nutrition Reviews</i> , 2022, 80, 165-177.	2.6	4
1439	Microbiota and Microglia Interactions in ASD. <i>Frontiers in Immunology</i> , 2021, 12, 676255.	2.2	31
1440	The Human Microbiome, an Emerging Key-Player in the Sex Gap in Respiratory Diseases. <i>Frontiers in Medicine</i> , 2021, 8, 600879.	1.2	10
1441	Factors Affecting Gut Microbiome in Daily Diet. <i>Frontiers in Nutrition</i> , 2021, 8, 644138.	1.6	18
1442	Maternal Garlic Oil Supplementation Prevents High-Fat Diet-Induced Hypertension in Adult Rat Offspring: Implications of H2S-Generating Pathway in the Gut and Kidneys. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001116.	1.5	39
1443	Microbial regulation of enteroendocrine cells. <i>Med</i> , 2021, 2, 553-570.	2.2	17
1444	Short-chain fatty acids: role in metabolic disorders. <i>Modern Gastroenterology</i> , 2021, , .	0.1	0
1445	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
1446	The Role of Fatty Acids in Non-Alcoholic Fatty Liver Disease Progression: An Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6900.	1.8	32
1447	Microbial sensing in the neonatal pig gut: effect of diet-independent and diet-dependent factors1. <i>Canadian Journal of Animal Science</i> , 2021, 101, 201-209.	0.7	1
1448	In Vitro Fecal Fermentation Patterns of Arabinoxylan from Rice Bran on Fecal Microbiota from Normal-Weight and Overweight/Obese Subjects. <i>Nutrients</i> , 2021, 13, 2052.	1.7	10
1449	A pilot study of possible anti-inflammatory effects of the specific carbohydrate diet in children with juvenile idiopathic arthritis. <i>Pediatric Rheumatology</i> , 2021, 19, 88.	0.9	4
1450	Gut Health Function of Instant Dehydrated Rice Sticks Substituted with Resistant Starch Types 2 and 4. <i>Current Microbiology</i> , 2021, 78, 3010-3019.	1.0	4
1451	Partially Hydrolyzed Guar Gum Modulates Gut Microbiota, Regulates the Levels of Neurotransmitters, and Prevents CUMS-Induced Depressive-Like Behavior in Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100146.	1.5	11
1452	Beverages containing <i>Lactobacillus paracasei</i> LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites. <i>Journal of Dairy Science</i> , 2021, 104, 6389-6398.	1.4	18

#	ARTICLE	IF	CITATIONS
1453	Variations on gut health and energy metabolism in pigs and humans by intake of different dietary fibers. <i>Food Science and Nutrition</i> , 2021, 9, 4639-4654.	1.5	15
1454	Bioactivity, bioavailability, and gut microbiota transformations of dietary phenolic compounds: implications for COVID-19. <i>Journal of Nutritional Biochemistry</i> , 2021, 97, 108787.	1.9	37
1455	Systematic assessment of oat β -glucan catabolism during in vitro digestion and fermentation. <i>Food Chemistry</i> , 2021, 348, 129116.	4.2	29
1456	Human microbiota modulation via QseC sensor kinase mediated in the <i>Escherichia coli</i> O104:H4 outbreak strain infection in microbiome model. <i>BMC Microbiology</i> , 2021, 21, 163.	1.3	7
1457	Fecal Short-Chain Fatty Acid Ratios as Related to Gastrointestinal and Depressive Symptoms in Young Adults. <i>Psychosomatic Medicine</i> , 2021, 83, 693-699.	1.3	37
1458	Impact of Phlorotannin Extracts from <i>Fucus vesiculosus</i> on Human Gut Microbiota. <i>Marine Drugs</i> , 2021, 19, 375.	2.2	28
1460	The Effect of Functional Fiber on Microbiota Composition in Different Intestinal Segments of Obese Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6525.	1.8	6
1461	Effects of Ammonia on Gut Microbiota and Growth Performance of Broiler Chickens. <i>Animals</i> , 2021, 11, 1716.	1.0	21
1462	Gut Microbiota Prevents Sugar Alcohol-Induced Diarrhea. <i>Nutrients</i> , 2021, 13, 2029.	1.7	10
1463	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
1464	In Vitro Effects of Stachyose on the Human Gut Microbiota. <i>Starch/Staerke</i> , 2021, 73, 2100029.	1.1	10
1465	The role of the microbiota-gut-brain axis in neuropsychiatric disorders. <i>Revista Brasileira De Psiquiatria</i> , 2021, 43, 293-305.	0.9	87
1466	Gut modulation based anti-diabetic effects of carboxymethylated wheat bran dietary fiber in high-fat diet/streptozotocin-induced diabetic mice and their potential mechanisms. <i>Food and Chemical Toxicology</i> , 2021, 152, 112235.	1.8	27
1467	Gut microbiota and bone metabolism. <i>FASEB Journal</i> , 2021, 35, e21740.	0.2	39
1468	Effects of a Diet Based on Foods from Symbiotic Agriculture on the Gut Microbiota of Subjects at Risk for Metabolic Syndrome. <i>Nutrients</i> , 2021, 13, 2081.	1.7	5
1469	<i>Crataegus pinnatifida</i> polysaccharide alleviates colitis via modulation of gut microbiota and SCFAs metabolism. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 357-368.	3.6	122
1470	Fecal <i>g. Streptococcus</i> and <i>g. Eubacterium_coprostanoligenes_group</i> combined with sphingosine to modulate the serum dyslipidemia in high-fat diet mice. <i>Clinical Nutrition</i> , 2021, 40, 4234-4245.	2.3	60
1471	Melatonin alleviates titanium nanoparticles induced osteolysis via activation of butyrate/GPR109A signaling pathway. <i>Journal of Nanobiotechnology</i> , 2021, 19, 170.	4.2	34

#	ARTICLE	IF	CITATIONS
1472	Potential Role of Probiotics in Ameliorating Psoriasis by Modulating Gut Microbiota in Imiquimod-Induced Psoriasis-Like Mice. <i>Nutrients</i> , 2021, 13, 2010.	1.7	25
1473	Lactobacillus strains derived from human gut ameliorate metabolic disorders via modulation of gut microbiota composition and short-chain fatty acids metabolism. <i>Beneficial Microbes</i> , 2021, 12, 267-281.	1.0	12
1474	Prevotella-rich enterotype may benefit gut health in finishing pigs fed diet with a high amylose-to-amylopectin ratio. <i>Animal Nutrition</i> , 2021, 7, 400-411.	2.1	20
1475	Intestinal Dysbiosis and Non-Alcoholic Fatty Liver Disease. <i>Biochemistry</i> , 0, , .	0.8	4
1476	Gut health: The results of microbial and mucosal immune interactions in pigs. <i>Animal Nutrition</i> , 2021, 7, 282-294.	2.1	31
1477	Potato resistant starch inhibits diet-induced obesity by modifying the composition of intestinal microbiota and their metabolites in obese mice. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 458-469.	3.6	38
1478	Polyphenol-Mediated Gut Microbiota Modulation: Toward Prebiotics and Further. <i>Frontiers in Nutrition</i> , 2021, 8, 689456.	1.6	159
1479	The Effects of Lifestyle and Diet on Gut Microbiota Composition, Inflammation and Muscle Performance in Our Aging Society. <i>Nutrients</i> , 2021, 13, 2045.	1.7	53
1480	Characteristics and properties of fibres suitable for a low FODMAP diet- an overview. <i>Trends in Food Science and Technology</i> , 2021, 112, 823-836.	7.8	11
1481	Protective effects of different <i>Bacteroides vulgatus</i> strains against lipopolysaccharide-induced acute intestinal injury, and their underlying functional genes. <i>Journal of Advanced Research</i> , 2022, 36, 27-37.	4.4	53
1482	The Effect of <i>Lactobacillus plantarum</i> BW2013 on The Gut Microbiota in Mice Analyzed by 16S rRNA Amplicon Sequencing. <i>Polish Journal of Microbiology</i> , 2021, 70, 235-243.	0.6	4
1483	Reduced fecal short-chain fatty acids levels and the relationship with gut microbiota in IgA nephropathy. <i>BMC Nephrology</i> , 2021, 22, 209.	0.8	27
1484	Developmental adaptations of neonatal neutrophils (review). <i>Russian Journal of Allergy</i> , 2021, 18, 55-65.	0.1	0
1485	Icariin enhances youth-like features by attenuating the declined gut microbiota in the aged mice. <i>Pharmacological Research</i> , 2021, 168, 105587.	3.1	25
1488	Dietary fiber intake, the gut microbiome, and chronic systemic inflammation in a cohort of adult men. <i>Genome Medicine</i> , 2021, 13, 102.	3.6	62
1489	Contribution of Gut Microbiome to Human Health and the Metabolism or Toxicity of Drugs and Natural Products. <i>Biochemistry</i> , 0, , .	0.8	0
1490	The Interplay between Nutrition, Innate Immunity, and the Commensal Microbiota in Adaptive Intestinal Morphogenesis. <i>Nutrients</i> , 2021, 13, 2198.	1.7	16
1491	Gut Microbiota: Critical Controller and Intervention Target in Brain Aging and Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 671142.	1.7	20

#	ARTICLE	IF	CITATIONS
1492	Sugar Fructose Triggers Gut Dysbiosis and Metabolic Inflammation with Cardiac Arrhythmogenesis. <i>Biomedicines</i> , 2021, 9, 728.	1.4	20
1493	Reference values for intake of six types of soluble and insoluble fibre in healthy UK inhabitants based on the UK Biobank data. <i>Public Health Nutrition</i> , 2022, 25, 1321-1335.	1.1	2
1494	Joint contributions of the gut microbiota and host genetics to feed efficiency in chickens. <i>Microbiome</i> , 2021, 9, 126.	4.9	58
1495	Role of the Gut Microbiota in Stroke Pathogenesis and Potential Therapeutic Implications. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 36-44.	1.0	27
1496	Improvement of colonic healing and surgical recovery with perioperative supplementation of inulin and galacto-oligosaccharides. <i>Clinical Nutrition</i> , 2021, 40, 3842-3851.	2.3	11
1497	Effects of short-chain fatty acids in inhibiting HDAC and activating p38 MAPK are critical for promoting B10 cell generation and function. <i>Cell Death and Disease</i> , 2021, 12, 582.	2.7	43
1498	The role of the intestinal microbiota in eating disorders “ bulimia nervosa and binge eating disorder. <i>Psychiatry Research</i> , 2021, 300, 113923.	1.7	9
1499	Faecal microbial metabolites of proteolytic and saccharolytic fermentation in relation to degree of insulin resistance in adult individuals. <i>Beneficial Microbes</i> , 2021, 12, 259-266.	1.0	4
1500	Alterations in microbiome composition and metabolic byproducts drive behavioral and transcriptional responses to morphine. <i>Neuropsychopharmacology</i> , 2021, 46, 2062-2072.	2.8	39
1502	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
1503	Dietary Fiber Modulates the Fermentation Patterns of Cyanidin-3-O-Glucoside in a Fiber-Type Dependent Manner. <i>Foods</i> , 2021, 10, 1386.	1.9	20
1504	“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
1505	Propionate induces intestinal oxidative stress via Sod2 propionylation in zebrafish. <i>IScience</i> , 2021, 24, 102515.	1.9	17
1506	Source of gut microbiota determines oat Î²-glucan degradation and short chain fatty acid-producing pathway. <i>Food Bioscience</i> , 2021, 41, 101010.	2.0	18
1507	N6-Methyladenosine RNA Modification in Inflammation: Roles, Mechanisms, and Applications. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 670711.	1.8	56
1508	The Gut Microbiota of Critically Ill Patients With COVID-19. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 670424.	1.8	56
1509	Dietary chenodeoxycholic acid improves growth performance and intestinal health by altering serum metabolic profiles and gut bacteria in weaned piglets. <i>Animal Nutrition</i> , 2021, 7, 365-375.	2.1	16
1510	Source of fiber influences growth, immune responses, gut barrier function and microbiota in weaned piglets fed antibiotic-free diets. <i>Animal Nutrition</i> , 2021, 7, 315-325.	2.1	20

#	ARTICLE	IF	CITATIONS
1511	Double-Barrel Shotgun: Probiotic Lactic Acid Bacteria with Antiviral Properties Modified to Serve as Vaccines. <i>Microorganisms</i> , 2021, 9, 1565.	1.6	7
1512	Foxo1 controls gut homeostasis and commensalism by regulating mucus secretion. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	30
1513	Emerging role of nutritional short-chain fatty acids (SCFAs) against cancer via modulation of hematopoiesis. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 827-844.	5.4	16
1514	Herbal Medicine, Gut Microbiota, and COVID-19. <i>Frontiers in Pharmacology</i> , 2021, 12, 646560.	1.6	15
1515	Effects of digested flours from four different sweet potato (<i>Ipomoea batatas</i> L.) root varieties on the composition and metabolic activity of human colonic microbiota in vitro. <i>Journal of Food Science</i> , 2021, 86, 3707-3719.	1.5	13
1516	Morphine, the microbiome, and fatty acids: short chains make a big link in opioid reward. <i>Neuropsychopharmacology</i> , 2021, 46, 2039-2040.	2.8	3
1517	Effects of 25-hydroxyvitamin D 3 on growth performance, serum parameters, fecal microbiota, and metabolites in weaned piglets fed diets with low calcium and phosphorus. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 597-606.	1.7	9
1518	Propionate and Dietary Fermentable Fibers Upregulate Intestinal Heat Shock protein70 in Intestinal Caco-2 Cells and Mouse Colon. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8460-8470.	2.4	4
1519	Improvement of Metabolic Syndrome in High-Fat Diet-Induced Mice by Yeast Î²-Glucan Is Linked to Inhibited Proliferation of <i>Lactobacillus</i> and <i>Lactococcus</i> in Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7581-7592.	2.4	19
1520	<i>In vitro</i> faecal fermentation outcomes and microbiota shifts of resistant starch spherulites. <i>International Journal of Food Science and Technology</i> , 2022, 57, 2782-2792.	1.3	7
1521	The probiotic <i>L. Casei</i> Zhang slows the progression of acute and chronic kidney disease. <i>Cell Metabolism</i> , 2021, 33, 1926-1942.e8.	7.2	102
1522	Gut microbiota alteration and modulation in psychiatric disorders: Current evidence on fecal microbiota transplantation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 109, 110258.	2.5	52
1523	Review: Effect of Gut Microbiota and Its Metabolite SCFAs on Radiation-Induced Intestinal Injury. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 577236.	1.8	38
1524	Fibra dietaria y microbiota, revisi3n narrativa de un grupo de expertos de la Asociaci3n Mexicana de GastroenterologÃa. <i>Revista De GastroenterologÃa De MÃ©xico</i> , 2021, 86, 287-304.	0.4	9
1525	Does chronic inflammation cause acute inflammation to spiral into hyperinflammation in a manner modulated by diet and the gut microbiome, in severe Covid-19?. <i>BioEssays</i> , 2021, 43, 2000211.	1.2	3
1526	Roux-en-Y Gastric Bypass Improved Insulin Resistance via Alteration of the Human Gut Microbiome and Alleviation of Endotoxemia. <i>BioMed Research International</i> , 2021, 2021, 1-14.	0.9	5
1527	Association of Gut Microbiome Dysbiosis with Neurodegeneration: Can Gut Microbe-Modifying Diet Prevent or Alleviate the Symptoms of Neurodegenerative Diseases?. <i>Life</i> , 2021, 11, 698.	1.1	11
1528	Role of microbiota-derived short-chain fatty acids in nervous system disorders. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111661.	2.5	106

#	ARTICLE	IF	CITATIONS
1529	Microbial short-chain fatty acids modulate CD8+ T cell responses and improve adoptive immunotherapy for cancer. <i>Nature Communications</i> , 2021, 12, 4077.	5.8	222
1530	Contributions of neuroimmune and gut-brain signaling to vulnerability of developing substance use disorders. <i>Neuropharmacology</i> , 2021, 192, 108598.	2.0	21
1531	The Potential Utilization of High-Fiber Agricultural By-Products as Monogastric Animal Feed and Feed Additives: A Review. <i>Animals</i> , 2021, 11, 2098.	1.0	9
1532	Sulfated modification enhances the modulatory effect of yam polysaccharide on gut microbiota in cyclophosphamide-treated mice. <i>Food Research International</i> , 2021, 145, 110393.	2.9	34
1533	Modulation of the Intestinal Microbiota by the Early Intervention with <i>Clostridium Butyricum</i> in Muscovy Ducks. <i>Antibiotics</i> , 2021, 10, 826.	1.5	5
1534	The Role of Fatty Acid Metabolites in Vaginal Health and Disease: Application to Candidiasis. <i>Frontiers in Microbiology</i> , 2021, 12, 705779.	1.5	19
1535	Dietary Interventions Reduce Traditional and Novel Cardiovascular Risk Markers by Altering the Gut Microbiome and Their Metabolites. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 691564.	1.1	25
1536	Quality characteristics of yogurts fermented with short-chain fatty acid-producing probiotics and their effects on mucin production and probiotic adhesion onto human colon epithelial cells. <i>Journal of Dairy Science</i> , 2021, 104, 7415-7425.	1.4	30
1538	Influences of dietary oils and fats, and the accompanied minor content of components on the gut microbiota and gut inflammation: A review. <i>Trends in Food Science and Technology</i> , 2021, 113, 255-276.	7.8	38
1539	The Role of Gut Microbiota in Overcoming Resistance to Checkpoint Inhibitors in Cancer Patients: Mechanisms and Challenges. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8036.	1.8	11
1540	Synbiotic Therapy Prevents Nosocomial Infection in Critically Ill Adult Patients: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials Based on a Bayesian Framework. <i>Frontiers in Medicine</i> , 2021, 8, 693188.	1.2	10
1541	Bariatric Surgery and Liver Disease: General Considerations and Role of the Gut–Liver Axis. <i>Nutrients</i> , 2021, 13, 2649.	1.7	24
1542	Efficacy of berberine in treatment of rheumatoid arthritis: From multiple targets to therapeutic potential. <i>Pharmacological Research</i> , 2021, 169, 105667.	3.1	28
1543	The Role of The Gut Microbiome in Parkinson’s Disease. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2021, 34, 253-262.	1.2	7
1544	Synergistic effect of lotus seed resistant starch and short-chain fatty acids on mice fecal microbiota in vitro. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 2272-2281.	3.6	13
1545	Probiotic Supplementation for Rheumatoid Arthritis: A Promising Adjuvant Therapy in the Gut Microbiome Era. <i>Frontiers in Pharmacology</i> , 2021, 12, 711788.	1.6	28
1546	Gut microbiota-derived metabolites in CRC progression and causation. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 3141-3155.	1.2	43
1547	Oleanolic Acid Targets the Gut–Liver Axis to Alleviate Metabolic Disorders and Hepatic Steatosis. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7884-7897.	2.4	63

#	ARTICLE	IF	CITATIONS
1548	The Role of Gut Microbiota on Cholesterol Metabolism in Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8074.	1.8	71
1549	Manipulation of the internal structure of starch by propionyl treatment and its diverse influence on digestion and in vitro fermentation characteristics. <i>Carbohydrate Polymers</i> , 2021, 270, 118390.	5.1	18
1550	The emerging role of the gut microbiome in polycystic ovary syndrome. <i>F&S Reviews</i> , 2021, 2, 214-226.	0.7	5
1551	A metabolomics pipeline for the mechanistic interrogation of the gut microbiome. <i>Nature</i> , 2021, 595, 415-420.	13.7	198
1552	Fermentation of alginate and its derivatives by different enterotypes of human gut microbiota: Towards personalized nutrition using enterotype-specific dietary fibers. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1649-1659.	3.6	27
1553	<i>Lycium barbarum</i> mitigates radiation injury via regulation of the immune function, gut microbiota, and related metabolites. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111654.	2.5	25
1554	The Role of Short-Chain Fatty Acids and Bile Acids in Intestinal and Liver Function, Inflammation, and Carcinogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 703218.	1.8	55
1555	Prebiotic inulin as a treatment of obesity related nonalcoholic fatty liver disease through gut microbiota: a critical review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 862-872.	5.4	10
1556	Dietary fiber and the microbiota: A narrative review by a group of experts from the Asociación Mexicana de Gastroenterología. <i>Revista De Gastroenterología De México (English Edition)</i> , 2021, 86, 287-304.	0.1	13
1558	<i>Auricularia polytricha</i> noodles prevent hyperlipemia and modulate gut microbiota in high-fat diet fed mice. <i>Food Science and Human Wellness</i> , 2021, 10, 431-441.	2.2	22
1559	Molecular Mechanism of Microbiota Metabolites in Preterm Birth: Pathological and Therapeutic Insights. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8145.	1.8	18
1560	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
1561	Gut microbes impact stroke severity via the trimethylamine N-oxide pathway. <i>Cell Host and Microbe</i> , 2021, 29, 1199-1208.e5.	5.1	78
1562	Dietary fiber-derived short-chain fatty acids: A potential therapeutic target to alleviate obesity-related nonalcoholic fatty liver disease. <i>Obesity Reviews</i> , 2021, 22, e13316.	3.1	97
1563	Host-Microbiota Interactions in Liver Inflammation and Cancer. <i>Cancers</i> , 2021, 13, 4342.	1.7	9
1564	Gut microbiome and its potential link to personalized nutrition. <i>Current Opinion in Physiology</i> , 2021, 22, 100439.	0.9	7
1565	Gut microbiome-short-chain fatty acids interplay in the context of iron deficiency anaemia. <i>European Journal of Nutrition</i> , 2022, 61, 399-412.	1.8	21
1566	Ginsenoside Rk3 alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice. <i>Food Research International</i> , 2021, 146, 110465.	2.9	29

#	ARTICLE	IF	CITATIONS
1567	Effects of Fermented Radix puerariae Residue on Nutrient Digestibility and Reproductive Performance of Sows. <i>Frontiers in Nutrition</i> , 2021, 8, 715713.	1.6	1
1568	Type 1 diabetes in pregnancy is associated with distinct changes in the composition and function of the gut microbiome. <i>Microbiome</i> , 2021, 9, 167.	4.9	23
1569	Microbiota-Associated Metabolites and Related Immunoregulation in Colorectal Cancer. <i>Cancers</i> , 2021, 13, 4054.	1.7	13
1570	The gut microbiome in microscopic polyangiitis with kidney involvement: common and unique alterations, clinical association and values for disease diagnosis and outcome prediction. <i>Annals of Translational Medicine</i> , 2021, 9, 1286-1286.	0.7	7
1571	The efficacy and toxicity of antineoplastic antimetabolites: Role of gut microbiota. <i>Toxicology</i> , 2021, 460, 152858.	2.0	2
1572	Urinary metabolomic changes and microbiotic alterations in presenilin1/2 conditional double knockout mice. <i>Journal of Translational Medicine</i> , 2021, 19, 351.	1.8	14
1573	Impact of Gut Microbiota and Microbiota-Related Metabolites on Hyperlipidemia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 634780.	1.8	77
1574	Describing the intestinal microbiota of Holstein Fasciola-positive and -negative cattle from a hyperendemic area of fascioliasis in central Colombia. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009658.	1.3	8
1575	Gut brain axis: an insight into microbiota role in Parkinson's disease. <i>Metabolic Brain Disease</i> , 2021, 36, 1545-1557.	1.4	10
1576	Metabolic regulation of T cells in the tumor microenvironment by nutrient availability and diet. <i>Seminars in Immunology</i> , 2021, 52, 101485.	2.7	24
1577	Pediatric Digestive Health and the Gut Microbiome: Existing Therapies and a Look to the Future. <i>Pediatric Annals</i> , 2021, 50, e336-e342.	0.3	0
1578	Influence of butyrate on the pathogenicity of <i>Aeromonas hydrophila</i> . <i>Aquaculture Nutrition</i> , 2021, 27, 13-19.	1.1	2
1579	Altered synthesis of genes associated with short-chain fatty acids in the gut of patients with atrial fibrillation. <i>BMC Genomics</i> , 2021, 22, 634.	1.2	23
1580	Crosstalk Between Intestinal Microbiota Derived Metabolites and Tissues in Allogeneic Hematopoietic Cell Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 703298.	2.2	8
1581	Nutrition, Gut Microbiota, and Alzheimer's Disease. <i>Frontiers in Psychiatry</i> , 2021, 12, 712673.	1.3	26
1582	Ultra-high Pressure Treatment Controls <i>In Vitro</i> Fecal Fermentation Rate of Insoluble Dietary Fiber from <i>Rosa Roxburghii</i> Tratt Pomace and Induces Butyrogenic Shifts in Microbiota Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10638-10647.	2.4	10
1583	Advances in the <i>In Vitro</i> digestion and fermentation of polysaccharides. <i>International Journal of Food Science and Technology</i> , 2021, 56, 4970-4982.	1.3	23
1584	Significance of the Gut Microbiome for Viral Diarrheal and Extra-Intestinal Diseases. <i>Viruses</i> , 2021, 13, 1601.	1.5	6

#	ARTICLE	IF	CITATIONS
1585	Effect of Diet and Dietary Components on the Composition of the Gut Microbiota. <i>Nutrients</i> , 2021, 13, 2795.	1.7	183
1586	Gut Microbiota Dynamics during Chemotherapy in Epithelial Ovarian Cancer Patients Are Related to Therapeutic Outcome. <i>Cancers</i> , 2021, 13, 3999.	1.7	23
1587	Microbiota's Role in Diet-Driven Alterations in Food Intake: Satiety, Energy Balance, and Reward. <i>Nutrients</i> , 2021, 13, 3067.	1.7	11
1588	Influenza Virus Infection Impairs the Gut's Barrier Properties and Favors Secondary Enteric Bacterial Infection through Reduced Production of Short-Chain Fatty Acids. <i>Infection and Immunity</i> , 2021, 89, e0073420.	1.0	46
1589	Gut Microbiota and Type 2 Diabetes Mellitus: Association, Mechanism, and Translational Applications. <i>Mediators of Inflammation</i> , 2021, 2021, 1-12.	1.4	41
1590	Effects of long-term exercise and a high-fat diet on synovial fluid metabolomics and joint structural phenotypes in mice: an integrated network analysis. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 1549-1563.	0.6	10
1591	Structural diversity, functional aspects and future therapeutic applications of human gut microbiome. <i>Archives of Microbiology</i> , 2021, 203, 5281-5308.	1.0	56
1592	Anti-hypertensive and cardioprotective activities of traditional Chinese medicine-derived polysaccharides: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 917-934.	3.6	26
1593	Probiotics as a New Regulator for Bone Health: A Systematic Review and Meta-Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-35.	0.5	10
1594	Gut Microbiota and Atherosclerosis—Focusing on the Plaque Stability. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 668532.	1.1	35
1596	Vitamin C Supplementation in Healthy Individuals Leads to Shifts of Bacterial Populations in the Gut—A Pilot Study. <i>Antioxidants</i> , 2021, 10, 1278.	2.2	35
1597	Effects of Dietary Monoglyceride and Diglyceride Supplementation on the Performance, Milk Composition, and Immune Status of Sows During Late Gestation and Lactation. <i>Frontiers in Veterinary Science</i> , 2021, 8, 714068.	0.9	2
1598	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
1599	The Protection of <i>Lactiplantibacillus plantarum</i> CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota. <i>Frontiers in Immunology</i> , 2021, 12, 736129.	2.2	13
1600	Gut Microbiota Development: Influence of Diet from Infancy to Toddlerhood. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 21-34.	1.0	37
1601	Gut Microbiota Composition is Associated with Responses to Peanut Intervention in Multiple Parameters Among Adults with Metabolic Syndrome Risk. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001051.	1.5	6
1602	Dietary supplementation with mung bean coat alleviates the disorders in serum glucose and lipid profile and modulates gut microbiota in high-fat diet and streptozotocin-induced prediabetic mice. <i>Journal of Food Science</i> , 2021, 86, 4183-4196.	1.5	14
1603	Identification of an Intestinal Microbiota Signature Associated With the Severity of Necrotic Enteritis. <i>Frontiers in Microbiology</i> , 2021, 12, 703693.	1.5	20

#	ARTICLE	IF	CITATIONS
1604	Gut microbiota influence in type 2 diabetes mellitus (T2DM). <i>Gut Pathogens</i> , 2021, 13, 50.	1.6	89
1605	Genome-Resolved Metagenomics of the Chicken Gut Microbiome. <i>Frontiers in Microbiology</i> , 2021, 12, 726923.	1.5	30
1606	Alteration of Gut Microbiota Relates to Metabolic Disorders in Primary Aldosteronism Patients. <i>Frontiers in Endocrinology</i> , 2021, 12, 667951.	1.5	21
1607	Environment-Dependent Variation in Gut Microbiota of an Oviparous Lizard (<i>Calotes versicolor</i>). <i>Animals</i> , 2021, 11, 2461.	1.0	8
1608	Combined effects of BARLEYmax and cocoa polyphenols on colonic microbiota and bacterial metabolites in vitro. <i>Food Science and Biotechnology</i> , 2021, 30, 1417-1425.	1.2	3
1610	Mulberry leaf-derived polysaccharide modulates the immune response and gut microbiota composition in immunosuppressed mice. <i>Journal of Functional Foods</i> , 2021, 83, 104545.	1.6	26
1611	Sodium Decanoate Improves Intestinal Epithelial Barrier and Antioxidation via Activating G Protein-Coupled Receptor-43. <i>Nutrients</i> , 2021, 13, 2756.	1.7	8
1612	Microbiota-derived acetate activates intestinal innate immunity via the Tip60 histone acetyltransferase complex. <i>Immunity</i> , 2021, 54, 1683-1697.e3.	6.6	40
1613	Effects of dietary exposure to the engineered nanomaterials CeO ₂ , SiO ₂ , Ag, and TiO ₂ on the murine gut microbiome. <i>Nanotoxicology</i> , 2021, 15, 1-17.	1.6	6
1614	What we should know about the carbohydrate component of infant formula. <i>Meditinskiy Sovet</i> , 2021, , 57-65.	0.1	0
1615	Distinctive Gut Microbiota in Patients with Overweight and Obesity with Dyslipidemia and its Responses to Long-term Orlistat and Ezetimibe Intervention: A Randomized Controlled Open-label Trial. <i>Frontiers in Pharmacology</i> , 2021, 12, 732541.	1.6	23
1616	Microbiome analysis combined with targeted metabolomics reveal immunological anti-tumor activity of icaraside I in a melanoma mouse model. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111542.	2.5	21
1617	Effects of bioactive components of Pu-erh tea on gut microbiomes and health: A review. <i>Food Chemistry</i> , 2021, 353, 129439.	4.2	33
1618	Bioactive Lipids and Their Derivatives in Biomedical Applications. <i>Biomolecules and Therapeutics</i> , 2021, 29, 465-482.	1.1	18
1619	BdPUL12 depolymerizes β -mannan-like glycans into mannooligosaccharides and mannose, which serve as carbon sources for <i>Bacteroides dorei</i> and gut probiotics. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 664-674.	3.6	18
1620	The Role of Dietary Fiber Supplementation in Regulating Uremic Toxins in Patients With Chronic Kidney Disease: A Meta-Analysis of Randomized Controlled Trials. , 2021, 31, 438-447.		22
1621	Dietary fibers as beneficial microbiota modulators: A proposed classification by prebiotic categories. <i>Nutrition</i> , 2021, 89, 111217.	1.1	74
1622	Chinese gut microbiota and its associations with staple food type, ethnicity, and urbanization. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 71.	2.9	37

#	ARTICLE	IF	CITATIONS
1623	Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients. <i>European Journal of Nutrition</i> , 2022, 61, 665-677.	1.8	15
1624	Commensal microbe-derived acetate suppresses NAFLD/NASH development via hepatic FFAR2 signalling in mice. <i>Microbiome</i> , 2021, 9, 188.	4.9	48
1625	Re-examining chemically defined liquid diets through the lens of the microbiome. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 903-911.	8.2	8
1626	Dietary fiber - A double-edged sword for balanced nutrition supply and environment sustainability in swine industry: A meta-analysis and systematic review. <i>Journal of Cleaner Production</i> , 2021, 315, 128130.	4.6	7
1627	In Vitro Simulation of Human Colonic Fermentation: A Practical Approach towards Models™ Design and Analytical Tools. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8135.	1.3	4
1628	Can feeding strategies alter immune signaling and gut sepsis in critical illness?. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021, , .	1.3	3
1629	Microbiome-Gut-Brain Interactions in Neurodevelopmental Disorders: Focus on Autism and Schizophrenia. , 2021, , 258-291.		0
1630	Determination of Butyrate Synthesis Capacity in Gut Microbiota: Quantification of but Gene Abundance by qPCR in Fecal Samples. <i>Biomolecules</i> , 2021, 11, 1303.	1.8	6
1631	Association of Habitual Preoperative Dietary Fiber Intake With Complications After Colorectal Cancer Surgery. <i>JAMA Surgery</i> , 2021, 156, 827.	2.2	9
1632	Butyric and Citric Acids and Their Salts in Poultry Nutrition: Effects on Gut Health and Intestinal Microbiota. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10392.	1.8	33
1633	The gut, its microbiome, and the brain: connections and communications. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	59
1634	Align resistant starch structures from plant-based foods with human gut microbiome for personalized health promotion. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 2509-2520.	5.4	10
1635	Immunosuppressive therapy after solid organ transplantation and the gut microbiota: Bidirectional interactions with clinical consequences. <i>American Journal of Transplantation</i> , 2022, 22, 1014-1030.	2.6	29
1636	Sustained Dysbiosis and Decreased Fecal Short-Chain Fatty Acids after Traumatic Brain Injury and Impact on Neurologic Outcome. <i>Journal of Neurotrauma</i> , 2021, 38, 2610-2621.	1.7	27
1637	Dietary fibre intake and risk of prediabetes in China: results from the Tianjin Chronic Low-grade Systemic Inflammation and Health (TCLSIH) Cohort Study. <i>British Journal of Nutrition</i> , 2022, 128, 753-761.	1.2	7
1638	Lactiplantibacillus plantarum Reduced Renal Calcium Oxalate Stones by Regulating Arginine Metabolism in Gut Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 743097.	1.5	4
1639	Diet and Risk of Incident Lung Cancer: A Large Prospective Cohort Study in UK Biobank. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 2043-2051.	2.2	38
1640	Gut microbiota-derived short-chain fatty acids protect against the progression of endometriosis. <i>Life Science Alliance</i> , 2021, 4, e202101224.	1.3	31

#	ARTICLE	IF	CITATIONS
1641	Signaling Pathways Associated with Metabolites of Dietary Fibers Link to Host Health. , 0, , .		0
1642	Fiber digestibility in growing pigs fed common fiber-rich ingredients – A systematic review. <i>Annals of Animal Science</i> , 2022, 22, 537-550.	0.6	4
1643	Influences of non-IgE-mediated cow's milk protein allergy-associated gut microbial dysbiosis on regulatory T cell-mediated intestinal immune tolerance and homeostasis. <i>Microbial Pathogenesis</i> , 2021, 158, 105020.	1.3	13
1644	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
1645	Dechlorane Plus exposure on gut microbiome evaluated by using both in vivo and in vitro assays. <i>International Biodeterioration and Biodegradation</i> , 2021, 163, 105255.	1.9	2
1646	Gut Microbiota and Dietary Factors as Modulators of the Mucus Layer in Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10224.	1.8	13
1648	Modulation of Gut Microbiota Composition and Short-Chain Fatty Acid Synthesis by Mogroside V in an <i>In Vitro</i> Incubation System. <i>ACS Omega</i> , 2021, 6, 25486-25496.	1.6	7
1649	Behçet syndrome. <i>Nature Reviews Disease Primers</i> , 2021, 7, 67.	18.1	75
1650	Glycosaminoglycan biosynthesis pathway in host genome is associated with <i>Helicobacter pylori</i> infection. <i>Scientific Reports</i> , 2021, 11, 18235.	1.6	0
1651	Parkinson's Disease and Gut Microbiota. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 28-35.	1.0	41
1652	Protective and ameliorating effects of probiotics against diet-induced obesity: A review. <i>Food Research International</i> , 2021, 147, 110490.	2.9	39
1653	Consumption of Butylated Starch Alleviates the Chronic Restraint Stress-Induced Neurobehavioral and Gut Barrier Deficits Through Reshaping the Gut Microbiota. <i>Frontiers in Immunology</i> , 2021, 12, 755481.	2.2	30
1654	The Impact of Gut Microbiota-Derived Metabolites in Autism Spectrum Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10052.	1.8	23
1655	Chains of evidence from correlations to causal molecules in microbiome-linked diseases. <i>Nature Chemical Biology</i> , 2021, 17, 1046-1056.	3.9	40
1656	Anti-Hyperlipidemia and Gut Microbiota Community Regulation Effects of Selenium-Rich <i>Cordyceps militaris</i> Polysaccharides on the High-Fat Diet-Fed Mice Model. <i>Foods</i> , 2021, 10, 2252.	1.9	34
1657	Multifunctional Benefits of Prevalent HMOs: Implications for Infant Health. <i>Nutrients</i> , 2021, 13, 3364.	1.7	38
1658	The Human Gut Resistome up to Extreme Longevity. <i>MSphere</i> , 2021, 6, e0069121.	1.3	12
1659	The Opposing Role of Propionate in Modulating <i>Listeria monocytogenes</i> Intracellular Infections. <i>Frontiers in Microbiology</i> , 2021, 12, 721801.	1.5	1

#	ARTICLE	IF	CITATIONS
1678	Coronavirus disease 2019 and the gut–lung axis. <i>International Journal of Infectious Diseases</i> , 2021, 113, 300-307.	1.5	23
1679	Cascade/Parallel Biocatalysis via Multi-enzyme Encapsulation on Metal–Organic Materials for Rapid and Sustainable Biomass Degradation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43085-43093.	4.0	9
1680	Butyrate Production Pathway Abundances Are Similar in Human and Nonhuman Primate Gut Microbiomes. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	13
1681	Long-term drench of exopolysaccharide from <i>Leuconostoc pseudomesenteroides</i> XG5 protects against type 1 diabetes of NOD mice via stimulating GLP-1 secretion. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 2023-2031.	1.7	2
1682	Multi-efficient thermostable endoxylanase from <i>Bacillus velezensis</i> AG20 and its production of xylooligosaccharides as efficient prebiotics with anticancer activity. <i>Process Biochemistry</i> , 2021, 109, 59-71.	1.8	18
1683	Does intermittent fasting associated with aerobic training influence parameters related to the gut-brain axis of Wistar rats?. <i>Journal of Affective Disorders</i> , 2021, 293, 176-185.	2.0	15
1684	Impact of orally-administered oligosaccharides in a murine model of food allergy. <i>Journal of Functional Foods</i> , 2021, 85, 104643.	1.6	4
1685	Effect of microbiota metabolites on the progression of chronic hepatitis B virus infection. <i>Hepatology International</i> , 2021, 15, 1053-1067.	1.9	7
1686	Gut microbiota-related metabolome analysis based on chromatography-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116375.	5.8	11
1687	Aronia berry polyphenols have matrix-dependent effects on the gut microbiota. <i>Food Chemistry</i> , 2021, 359, 129831.	4.2	22
1688	Gut commensal-derived butyrate reverses obesity-induced social deficits and anxiety-like behaviors via regulation of microglial homeostasis. <i>European Journal of Pharmacology</i> , 2021, 908, 174338.	1.7	18
1689	Study on supplementary food with beneficial effects on the gut microbiota of infants. <i>Food Bioscience</i> , 2021, 43, 101291.	2.0	3
1690	Mechanisms of traditional Chinese medicine in modulating gut microbiota metabolites-mediated lipid metabolism. <i>Journal of Ethnopharmacology</i> , 2021, 278, 114207.	2.0	25
1691	Microbial metabolites and the vagal afferent pathway in the control of food intake. <i>Physiology and Behavior</i> , 2021, 240, 113555.	1.0	7
1692	Pectin and homogalacturonan with small molecular mass modulate microbial community and generate high SCFAs via in vitro gut fermentation. <i>Carbohydrate Polymers</i> , 2021, 269, 118326.	5.1	45
1693	Intestine-liver crosstalk in Type 2 Diabetes and non-alcoholic fatty liver disease. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154844.	1.5	20
1694	Gut microbiota response to sulfated sea cucumber polysaccharides in a differential manner using an in vitro fermentation model. <i>Food Research International</i> , 2021, 148, 110562.	2.9	30
1695	Rooibos, a supportive role to play during the COVID-19 pandemic?. <i>Journal of Functional Foods</i> , 2021, 86, 104684.	1.6	7

#	ARTICLE	IF	CITATIONS
1696	Jujube polysaccharides mitigated anemia in rats with chronic kidney disease: Regulation of short chain fatty acids release and erythropoietin production. <i>Journal of Functional Foods</i> , 2021, 86, 104673.	1.6	6
1697	Effect of probiotic, prebiotic, and synbiotic on the gut microbiota of autistic children using an in vitro gut microbiome model. <i>Food Research International</i> , 2021, 149, 110657.	2.9	22
1698	Essential contributions of food hydrocolloids and phospholipid liposomes to the formation of carriers for controlled delivery of biologically active substances via the gastrointestinal tract. <i>Food Hydrocolloids</i> , 2021, 120, 106890.	5.6	22
1699	The effect of atrazine on intestinal histology, microbial community and short chain fatty acids in <i>Pelophylax nigromaculatus</i> tadpoles. <i>Environmental Pollution</i> , 2021, 288, 117702.	3.7	22
1700	Enzymatically synthesised fructooligosaccharides from sugarcane syrup modulate the composition and short-chain fatty acid production of the human intestinal microbiota. <i>Food Research International</i> , 2021, 149, 110677.	2.9	20
1701	Polysaccharides confer benefits in immune regulation and multiple sclerosis by interacting with gut microbiota. <i>Food Research International</i> , 2021, 149, 110675.	2.9	48
1702	Bacteria - derived short chain fatty acids restore sympathoadrenal responsiveness to hypoglycemia after antibiotic-induced gut microbiota depletion. <i>Neurobiology of Stress</i> , 2021, 15, 100376.	1.9	9
1703	Pomelo pectin and fiber: Some perspectives and applications in food industry. <i>Food Hydrocolloids</i> , 2021, 120, 106981.	5.6	14
1704	Novel β -mannanase/GLP-1 fusion peptide high effectively ameliorates obesity in a mouse model by modifying balance of gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 753-763.	3.6	25
1705	Intestinal immunomodulatory activity of indigestible glucan in mice and its utilization by intestinal bacteria in vitro. <i>Journal of Functional Foods</i> , 2021, 87, 104759.	1.6	2
1706	Hypoglycemic effect of astragaloside IV via modulating gut microbiota and regulating AMPK/SIRT1 and PI3K/AKT pathway. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114558.	2.0	39
1707	Assessing the in vitro digestion of Sesbania gum, a galactomannan from <i>S. cannabina</i> , and subsequent impact on the fecal microbiota. <i>Journal of Functional Foods</i> , 2021, 87, 104766.	1.6	4
1708	Effects of ginseng soluble dietary fiber on serum antioxidant status, immune factor levels and cecal health in healthy rats. <i>Food Chemistry</i> , 2021, 365, 130641.	4.2	24
1709	Effects of extraction methods on the digestibility, cytotoxicity, prebiotic potential and immunomodulatory activity of taro (<i>Colocasia esculenta</i>) water-soluble non-starch polysaccharide. <i>Food Hydrocolloids</i> , 2021, 121, 107068.	5.6	9
1710	Gut Microbiota: A New Marker of Cardiovascular Disease. , 2022, , .		0
1711	Mucosal barrier status in Atlantic salmon fed marine or plant-based diets supplemented with probiotics. <i>Aquaculture</i> , 2022, 547, 737516.	1.7	22
1712	Dose-dependent effects of apple pectin on alleviating high fat-induced obesity modulated by gut microbiota and SCFAs. <i>Food Science and Human Wellness</i> , 2022, 11, 143-154.	2.2	26
1713	Bioactive polysaccharides from red seaweed as potent food supplements: a systematic review of their extraction, purification, and biological activities. <i>Carbohydrate Polymers</i> , 2022, 275, 118696.	5.1	62

#	ARTICLE	IF	CITATIONS
1714	Effects of food matrix elements (dietary fibres) on grapefruit peel flavanone profile and on faecal microbiota during in vitro fermentation. <i>Food Chemistry</i> , 2022, 371, 131065.	4.2	20
1715	Dietary Fiber and Human Papillomavirus Infection among US Women: The National Health and Nutrition Examination Survey, 2003â€“2016. <i>Nutrition and Cancer</i> , 2021, 73, 2515-2522.	0.9	1
1716	Inulin. , 2021, , 537-562.		5
1717	Starch. , 2021, , 1909-1953.		0
1718	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
1719	Associations between gut microbiota and thyroidal function status in Chinese patients with Gravesâ€™ disease. <i>Journal of Endocrinological Investigation</i> , 2021, 44, 1913-1926.	1.8	17
1720	Gut microbiota associations with metabolic syndrome and relevance of its study in pediatric subjects. <i>Gut Microbes</i> , 2021, 13, 1960135.	4.3	24
1721	Dysbiosis of gut microbiota in patients with esophageal cancer. <i>Microbial Pathogenesis</i> , 2021, 150, 104709.	1.3	51
1722	Metabolic Phenotypes as Potential Biomarkers for Linking Gut Microbiome With Inflammatory Bowel Diseases. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 603740.	1.6	8
1724	Microbiota as a Metabolic Organ Processing Dietary Polyphenols. , 2022, , 20-26.		0
1725	Urbanization and Its Effects on Microbiota. , 2021, , .		0
1726	Nobiletin activates thermogenesis of brown and white adipose tissue in high-fat diet-fed C57BL/6 mice by shaping the gut microbiota. <i>FASEB Journal</i> , 2021, 35, e21267.	0.2	19
1727	Effect of host breeds on gut microbiome and serum metabolome in meat rabbits. <i>BMC Veterinary Research</i> , 2021, 17, 24.	0.7	20
1728	The emerging role of probiotics in neurodegenerative diseases: new hope for Parkinson's disease?. <i>Neural Regeneration Research</i> , 2021, 16, 628.	1.6	48
1729	Immunity and Gut Microbiome: Role of Probiotics and Prebiotics. <i>Microorganisms for Sustainability</i> , 2021, , 61-83.	0.4	1
1730	Multi-omics study reveals that statin therapy is associated with restoration of gut microbiota homeostasis and improvement in outcomes in patients with acute coronary syndrome. <i>Theranostics</i> , 2021, 11, 5778-5793.	4.6	38
1731	Characterization of faecal and caecal microbiota of free-ranging black-tailed prairie dogs (<i>Cynomys</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 coab042.		5
1732	The brain-gut-microbiota axis. , 2021, , 77-88.		0

#	ARTICLE	IF	CITATIONS
1733	Novel insights in the relationship of gut microbiota and coronary artery diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 3738-3750.	5.4	14
1734	The Combined Effects of Magnesium Oxide and Inulin on Intestinal Microbiota and Cecal Short-Chain Fatty Acids. <i>Nutrients</i> , 2021, 13, 152.	1.7	5
1735	Rheology, structure, and sensory perception of hydrocolloids. , 2021, , 23-47.		8
1736	Preparation, structural characteristics and physiological property of resistant starch. <i>Advances in Food and Nutrition Research</i> , 2021, 95, 1-40.	1.5	3
1737	Gut Microbial Dysbiosis and Cardiovascular Diseases. , 2021, , .		0
1738	Involvement of Body Temperature Increase and Sympathetic Nerve Activation in Exercise-Induced Microbiota Changes in Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1739	Enhancing Pathogen Resistance: The Gut Microbiota and Malaria. , 2022, , 143-167.		2
1740	Kazak faecal microbiota transplantation induces short-chain fatty acids that promote glucagon-like peptide-1 secretion by regulating gut microbiota in <i><i>db/db</i></i> mice. <i>Pharmaceutical Biology</i> , 2021, 59, 1075-1085.	1.3	12
1741	Long-term dietary intake from infancy to late adolescence is associated with gut microbiota composition in young adulthood. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 647-656.	2.2	12
1742	Intestinal microbial communities of rainbow trout (<i>Oncorhynchus mykiss</i>) may be improved by feeding a <i>Hermetia illucens</i> meal/low-fishmeal diet. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 365-380.	0.9	60
1743	Commensal microbe-derived propionic acid mediates juvenile social isolation-induced social deficits and anxiety-like behaviors. <i>Brain Research Bulletin</i> , 2021, 166, 161-171.	1.4	13
1744	Gut Microbiota-Derived Metabolites in the Development of Diseases. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2021, 2021, 1-7.	0.7	29
1745	Do an Altered Gut Microbiota and an Associated Leaky Gut Affect COVID-19 Severity?. <i>MBio</i> , 2021, 12, .	1.8	62
1746	Prevention of the rise in plasma cholesterol and glucose levels by kakiâ€™tannin and characterization of its bile acid binding capacity. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2117-2124.	1.7	8
1747	Phytochemical drug candidates for the modulation of peroxisome proliferatorâ€™activated receptor β in inflammatory bowel diseases. <i>Phytotherapy Research</i> , 2020, 34, 1530-1549.	2.8	18
1748	Effect of Short Chain Fatty Acids on Age-Related Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1260, 85-105.	0.8	17
1749	Amino Acids in Intestinal Physiology and Health. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1265, 1-20.	0.8	53
1750	Gut Microbiota and Endocrine Disorder. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1238, 143-164.	0.8	14

#	ARTICLE	IF	CITATIONS
1751	Food Metabolomics – An Overview. , 2019, , .		1
1752	Protein Turnover in Epithelial Cells and Mucus along the Gastrointestinal Tract Is Coordinated by the Spatial Location and Microbiota. Cell Reports, 2020, 30, 1077-1087.e3.	2.9	41
1753	Generation of structurally diverse pectin oligosaccharides having prebiotic attributes. Food Hydrocolloids, 2020, 108, 105988.	5.6	45
1754	Antidiabetic Effects of Gegen Qinlian Decoction via the Gut Microbiota Are Attributable to Its Key Ingredient Berberine. Genomics, Proteomics and Bioinformatics, 2020, 18, 721-736.	3.0	70
1755	Effects of Nigella sativa seed polysaccharides on type 2 diabetic mice and gut microbiota. International Journal of Biological Macromolecules, 2020, 159, 725-738.	3.6	57
1756	Two novel polysaccharides from Solanum nigrum L. exert potential prebiotic effects in an in vitro fermentation model. International Journal of Biological Macromolecules, 2020, 159, 648-658.	3.6	18
1757	Small intestinal physiology relevant to bariatric and metabolic endoscopic therapies: Incretins, bile acid signaling, and gut microbiome. Techniques and Innovations in Gastrointestinal Endoscopy, 2020, 22, 109-119.	0.4	8
1758	Distinct alterations of gut morphology and microbiota characterize accelerated diabetes onset in nonobese diabetic mice. Journal of Biological Chemistry, 2020, 295, 969-980.	1.6	20
1759	Associations between fecal short-chain fatty acids and sleep continuity in older adults with insomnia symptoms. Scientific Reports, 2021, 11, 4052.	1.6	24
1760	Simulated digestion of an olive pomace water-soluble ingredient: relationship between the bioaccessibility of compounds and their potential health benefits. Food and Function, 2020, 11, 2238-2254.	2.1	40
1761	The ameliorative effect of <i>Lactobacillus plantarum</i> Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet. Food and Function, 2020, 11, 5024-5039.	2.1	50
1762	Short-chain fatty acid, acylation and cardiovascular diseases. Clinical Science, 2020, 134, 657-676.	1.8	101
1763	The prebiotic effects of omega-3 fatty acid supplementation: A six-week randomised intervention trial. Gut Microbes, 2021, 13, 1-11.	4.3	63
1764	Gut microbiota and systemic immunity in health and disease. International Immunology, 2021, 33, 197-209.	1.8	34
1765	Graded dietary resistant starch concentrations on apparent total tract macronutrient digestibility and fecal fermentative end products and microbial populations of healthy adult dogs. Journal of Animal Science, 2021, 99, .	0.2	9
1766	Poly lactose Exhibits Prebiotic Activity and Reduces Adiposity and Nonalcoholic Fatty Liver Disease in Rats Fed a High-Fat Diet. Journal of Nutrition, 2021, 151, 352-360.	1.3	6
1767	Gut Microbiota and Cardiovascular Diseases. Cardiology in Review, 2021, 29, 195-204.	0.6	22
1768	Macronutrients, microbiome and precision nutrition. Current Opinion in Gastroenterology, 2021, 37, 145-151.	1.0	7

#	ARTICLE	IF	CITATIONS
1769	Defining Microbiome Readiness for Surgery: Dietary Prehabilitation and Stool Biomarkers as Predictive Tools to Improve Outcome. <i>Annals of Surgery</i> , 2022, 276, e361-e369.	2.1	17
1770	Computational genomic discovery of diverse gene clusters harbouring Fe-S flavoenzymes in anaerobic gut microbiota. <i>Microbial Genomics</i> , 2020, 6, .	1.0	5
1771	Increased productivity in poultry birds by sub-lethal dose of antibiotics is arbitrated by selective enrichment of gut microbiota, particularly short-chain fatty acid producers. <i>Microbiology (United Kingdom)</i> , 2020, 166, 101010.	0.0	10
1783	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
1784	Colonisation of the proximal intestinal remnant in newborn infants with enterostomy: a longitudinal study protocol. <i>BMJ Open</i> , 2019, 9, e028916.	0.8	5
1785	Enterochromaffin cells and gastrointestinal diseases. <i>World Chinese Journal of Digestology</i> , 2019, 27, 117-124.	0.0	1
1786	The gut-bone axis: how bacterial metabolites bridge the distance. <i>Journal of Clinical Investigation</i> , 2019, 129, 3018-3028.	3.9	195
1787	Immunologic impact of the intestine in metabolic disease. <i>Journal of Clinical Investigation</i> , 2017, 127, 33-42.	3.9	64
1788	Gut microbiome-Mediterranean diet interactions in improving host health. <i>F1000Research</i> , 2019, 8, 699.	0.8	81
1789	Metabolic phenotyping of the human microbiome. <i>F1000Research</i> , 2019, 8, 1956.	0.8	12
1790	Improving causality in microbiome research: can human genetic epidemiology help?. <i>Wellcome Open Research</i> , 2019, 4, 199.	0.9	21
1791	Improving causality in microbiome research: can human genetic epidemiology help?. <i>Wellcome Open Research</i> , 2019, 4, 199.	0.9	28
1792	Hazelnuts as Source of Bioactive Compounds and Health Value Underestimated Food. <i>Current Research in Nutrition and Food Science</i> , 2019, 7, 17-28.	0.3	14
1793	Regulation of acetyl-CoA synthetase transcription by the CrbS/R two-component system is conserved in genetically diverse environmental pathogens. <i>PLoS ONE</i> , 2017, 12, e0177825.	1.1	20
1794	Quantification of Plasma or Serum Short-Chain Fatty Acids: Choosing the Correct Blood Tube. <i>Journal of Nutritional Health & Food Science</i> , 2017, 5, 1-6.	0.3	16
1795	Propionic Acid. <i>Food Technology and Biotechnology</i> , 2020, 58, 115-127.	0.9	28
1797	The gut-brain connection: A qualitative review of the conceptualisation and implications of the gut-brain-microbiome axis. <i>Telangana Journal of Psychiatry</i> , 2019, 5, 94.	0.0	2
1798	Fecal microbiota transplantation alters the susceptibility of obese rats to type 2 diabetes mellitus. <i>Aging</i> , 2020, 12, 17480-17502.	1.4	19

#	ARTICLE	IF	CITATIONS
1799	Diet and Cardiovascular Disease: Effects of Foods and Nutrients in Classical and Emerging Cardiovascular Risk Factors. <i>Current Medicinal Chemistry</i> , 2019, 26, 3639-3651.	1.2	89
1800	Fiber Compounds and Human Health. <i>Current Pharmaceutical Design</i> , 2017, 23, 2835-2849.	0.9	12
1801	Mexican Traditional Plant-Foods: Polyphenols Bioavailability, Gut Microbiota Metabolism and Impact Human Health. <i>Current Pharmaceutical Design</i> , 2019, 25, 3434-3456.	0.9	7
1802	Chemical Metabolism of Xenobiotics by Gut Microbiota. <i>Current Drug Metabolism</i> , 2020, 21, 260-269.	0.7	24
1803	Effects of Stress on the Mucus-microbial Interactions in the Gut. <i>Current Protein and Peptide Science</i> , 2018, 20, 155-163.	0.7	11
1804	Use of Gas Chromatography to Quantify Short Chain Fatty Acids in the Serum, Colonic Luminal Content and Feces of Mice. <i>Bio-protocol</i> , 2018, 8, e3089.	0.2	27
1805	Gas Chromatography Detection Protocol of Short-chain Fatty Acids in Mice Feces. <i>Bio-protocol</i> , 2020, 10, e3672.	0.2	7
1806	Gastrointestinal and metabolic effects of noodles-based konjac glucomannan in rats. <i>Food and Nutrition Research</i> , 2019, 63, .	1.2	6
1807	Green tea leaf powder prevents dyslipidemia in high-fat diet-fed mice by modulating gut microbiota. <i>Food and Nutrition Research</i> , 2020, 64, .	1.2	30
1808	Intestinal Barrier Breakdown and Mucosal Microbiota Disturbance in Neuromyelitis Optical Spectrum Disorders. <i>Frontiers in Immunology</i> , 2020, 11, 2101.	2.2	16
1809	Oxidative Stress in NAFLD: Role of Nutrients and Food Contaminants. <i>Biomolecules</i> , 2020, 10, 1702.	1.8	79
1810	Anticancer and Immunomodulatory Benefits of Taro (<i>Colocasia esculenta</i>) Corms, an Underexploited Tuber Crop. <i>International Journal of Molecular Sciences</i> , 2021, 22, 265.	1.8	26
1811	Effects of Maternal Fiber Intake on Intestinal Morphology, Bacterial Profile and Proteome of Newborns Using Pig as Model. <i>Nutrients</i> , 2021, 13, 42.	1.7	13
1812	Towards a standard diet-induced and biopsy-confirmed mouse model of non-alcoholic steatohepatitis: Impact of dietary fat source. <i>World Journal of Gastroenterology</i> , 2019, 25, 4904-4920.	1.4	75
1813	Therapeutic advances in non-alcoholic fatty liver disease: A microbiota-centered view. <i>World Journal of Gastroenterology</i> , 2020, 26, 1901-1911.	1.4	33
1814	Systems Biology: A Multi-Omics Integration Approach to Metabolism and the Microbiome. <i>Endocrinology and Metabolism</i> , 2020, 35, 507-514.	1.3	7
1815	Drug-microbiota interactions and treatment response: Relevance to rheumatoid arthritis. <i>AIMS Microbiology</i> , 2018, 4, 642-654.	1.0	26
1816	The Inhibitory Effect of Gut Microbiota and Its Metabolites on Colorectal Cancer. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1607-1613.	0.9	16

#	ARTICLE	IF	CITATIONS
1817	Effect of poly(3-hydroxyalkanoates) as natural polymers on mesenchymal stem cells. <i>World Journal of Stem Cells</i> , 2019, 11, 764-786.	1.3	13
1818	Epithelial-microbial diplomacy: escalating border tensions drive inflammation in inflammatory bowel disease. <i>Intestinal Research</i> , 2019, 17, 177-191.	1.0	14
1819	Effects of body weight and fiber sources on fiber digestibility and short chain fatty acid concentration in growing pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1975-1984.	2.4	7
1820	Diets with and without edible cricket support a similar level of diversity in the gut microbiome of dogs. <i>PeerJ</i> , 2019, 7, e7661.	0.9	30
1821	Possible regulation of liver glycogen structure through the gut-liver axis by resistant starch: a review. <i>Food and Function</i> , 2021, 12, 11154-11164.	2.1	8
1822	Physical Activity and Stool Metabolite Relationships Among Adults at High Risk for Colorectal Cancer. <i>Journal of Physical Activity and Health</i> , 2021, 18, 1404-1411.	1.0	3
1823	Probiotics and Prebiotics in Healthy Ageing. <i>Healthy Ageing and Longevity</i> , 2021, , 85-108.	0.2	1
1824	Microbiome Diagnostics and Interventions in Health and Disease. , 2021, , 157-215.		1
1825	Overview on Human Gut Microbiome and its Role in Immunomodulation. , 2021, , 69-82.		2
1826	Gut and Brain: Investigating Physiological and Pathological Interactions Between Microbiota and Brain to Gain New Therapeutic Avenues for Brain Diseases. <i>Frontiers in Neuroscience</i> , 2021, 15, 753915.	1.4	18
1827	Progress in understanding of relationship between short chain fatty acids and irritable bowel syndrome. <i>World Chinese Journal of Digestology</i> , 2021, 29, 1102-1109.	0.0	2
1828	Time-course alterations of gut microbiota and short-chain fatty acids after short-term lincomycin exposure in young swine. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8441-8456.	1.7	18
1829	Effect of blending encapsulated essential oils and organic acids as an antibiotic growth promoter alternative on growth performance and intestinal health in broilers with necrotic enteritis. <i>Poultry Science</i> , 2022, 101, 101563.	1.5	37
1830	Effects of an isoenergetic low Glycaemic Index (GI) diet on liver fat accumulation and gut microbiota composition in patients with non-alcoholic fatty liver disease (NAFLD): a study protocol of an efficacy mechanism evaluation. <i>BMJ Open</i> , 2021, 11, e045802.	0.8	2
1831	Modulation of Adipocyte Metabolism by Microbial Short-Chain Fatty Acids. <i>Nutrients</i> , 2021, 13, 3666.	1.7	23
1832	Structural Characterization of Lignin-Carbohydrate Complexes (LCCs) and Their Biotransformation by Intestinal Microbiota <i>In Vitro</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12880-12890.	2.4	10
1833	<i>Lactobacillus plantarum</i> TWK10 Attenuates Aging-Associated Muscle Weakness, Bone Loss, and Cognitive Impairment by Modulating the Gut Microbiome in Mice. <i>Frontiers in Nutrition</i> , 2021, 8, 708096.	1.6	22
1834	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

#	ARTICLE	IF	CITATIONS
1835	Influenza A H1N1 Induced Disturbance of the Respiratory and Fecal Microbiome of German Landrace Pigs – a Multi-Omics Characterization. <i>Microbiology Spectrum</i> , 2021, 9, e0018221.	1.2	14
1836	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
1837	<i>Ruminococcus gnavus</i> ameliorates atopic dermatitis by enhancing Treg cell and metabolites in BALB/c mice. <i>Pediatric Allergy and Immunology</i> , 2022, 33, .	1.1	26
1838	Gut Microbiota Reshaped by Pectin Treatment Improves Liver Steatosis in Obese Mice. <i>Nutrients</i> , 2021, 13, 3725.	1.7	15
1839	Consistent Prebiotic Effects of Carrot RG-I on the Gut Microbiota of Four Human Adult Donors in the SHIMEA® Model despite Baseline Individual Variability. <i>Microorganisms</i> , 2021, 9, 2142.	1.6	11
1840	Sodium Butyrate Alleviates Intestinal Inflammation in Mice with Necrotizing Enterocolitis. <i>Mediators of Inflammation</i> , 2021, 2021, 1-12.	1.4	28
1841	Dynamic changes of phenolic acids and antioxidant activity of <i>Citri Reticulatae</i> Pericarpium during aging processes. <i>Food Chemistry</i> , 2022, 373, 131399.	4.2	21
1842	The Role of Short-Chain Fatty Acids in Mediating Very Low-Calorie Ketogenic Diet-Infant Gut Microbiota Relationships and Its Therapeutic Potential in Obesity. <i>Nutrients</i> , 2021, 13, 3702.	1.7	27
1843	A Link between Chronic Kidney Disease and Gut Microbiota in Immunological and Nutritional Aspects. <i>Nutrients</i> , 2021, 13, 3637.	1.7	26
1844	Gut-microbiota derived bioactive metabolites and their functions in host physiology. <i>Biotechnology and Genetic Engineering Reviews</i> , 2021, 37, 105-153.	2.4	18
1845	Distinct Effects of Short Chain Fatty Acids on Host Energy Balance and Fuel Homeostasis With Focus on Route of Administration and Host Species. <i>Frontiers in Neuroscience</i> , 2021, 15, 755845.	1.4	10
1846	Vagal neuron expression of the microbiota-derived metabolite receptor, free fatty acid receptor (FFAR3), is necessary for normal feeding behavior. <i>Molecular Metabolism</i> , 2021, 54, 101350.	3.0	34
1847	A Comparison of Production Performance, Egg Quality, and Cecal Microbiota in Laying Hens Receiving Graded Levels of Vitamin B12. <i>Frontiers in Veterinary Science</i> , 2021, 8, 712183.	0.9	4
1848	Short-chain fatty acids activate acetyltransferase p300. <i>ELife</i> , 2021, 10, .	2.8	42
1849	The change of gut microbiota-derived short-chain fatty acids in diabetic kidney disease. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e24062.	0.9	16
1850	The role of gut microbiome in prevention, diagnosis and treatment of gestational diabetes mellitus. <i>Journal of Obstetrics and Gynaecology</i> , 2022, 42, 719-725.	0.4	5
1851	Short-Chain Fatty Acids Alleviate Hepatocyte Apoptosis Induced by Gut-Derived Protein-Bound Uremic Toxins. <i>Frontiers in Nutrition</i> , 2021, 8, 756730.	1.6	10
1852	Xylooligosaccharide alleviates <i>Salmonella</i> induced inflammation by stimulating <i>Bifidobacterium animalis</i> and inhibiting <i>Salmonella</i> colonization. <i>FASEB Journal</i> , 2021, 35, e21977.	0.2	11

#	ARTICLE	IF	CITATIONS
1853	The challenges in production technology, health-associated functions, physico-chemical properties and food applications of isomaltooligosaccharides. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3821-3837.	5.4	5
1854	Fecal Levels of Lactic, Succinic and Short-Chain Fatty Acids in Patients with Ulcerative Colitis and Crohn Disease: A Pilot Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 4701.	1.0	17
1855	Î-carrageenan exacerbates <i>Citrobacter rodentium</i> -induced infectious colitis in mice by targeting gut microbiota and intestinal barrier integrity. <i>Pharmacological Research</i> , 2021, 174, 105940.	3.1	10
1856	Structure and biological activities of glycoproteins and their metabolites in maintaining intestinal health. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3346-3361.	5.4	2
1857	Dietary Supplementation With <i>Lactobacillus plantarum</i> Ameliorates Compromise of Growth Performance by Modulating Short-Chain Fatty Acids and Intestinal Dysbiosis in Broilers Under <i>Clostridium perfringens</i> Challenge. <i>Frontiers in Nutrition</i> , 2021, 8, 706148.	1.6	12
1858	Comparison of metabolic fate, target organs, and microbiota interactions of free and bound dietary advanced glycation end products. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3612-3633.	5.4	9
1859	Dose-response effect of prebiotic ingestion (Î ² -glucans isolated from <i>Saccharomyces cerevisiae</i>) in diabetic rats with periodontal disease. <i>Diabetology and Metabolic Syndrome</i> , 2021, 13, 111.	1.2	3
1860	Association of circulating short chain fatty acid levels with colorectal adenomas and colorectal cancer. <i>Clinical Nutrition ESPEN</i> , 2021, 46, 297-304.	0.5	10
1861	Effect of Electroacupuncture on Gut Microbiota in Participants With Knee Osteoarthritis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 597431.	1.8	14
1862	Dynamic regulation of gut <i>Clostridium</i> -derived short-chain fatty acids. <i>Trends in Biotechnology</i> , 2022, 40, 266-270.	4.9	14
1863	Disease modifying therapies for Parkinson's disease: Novel targets. <i>Neuropharmacology</i> , 2021, 201, 108839.	2.0	4
1864	Neuro-immune-metabolism: The tripod system of homeostasis. <i>Immunology Letters</i> , 2021, 240, 77-97.	1.1	3
1865	Fetal and Early Postnatal Programming of Dyslipidemia and Potential Intervention with Dietary Nutraceuticals. , 2017, , 353-370.		0
1868	IMMUNOREGULATORY PROFILE OF MICROSymbionts OF THE INTESTINAL HUMAN BIOTOPE. <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , 2018, , 42-51.	0.3	3
1872	Study on Metabolic Changes of Intestinal Microflora in Infant with Community-Acquired Pneumonia after Antibiotics Treatment. <i>Asian Case Reports in Pediatrics</i> , 2019, 07, 26-33.	0.1	0
1874	Blood Type Diets (BTD) and Aging: An Overview. , 2019, 07, .		0
1875	The Gut Microbiome in Inflammatory Bowel Disease. , 2019, , 347-377.		0
1876	Gut Microbiota and Health: Understanding the Role of Diet. <i>Food and Nutrition Sciences (Print)</i> , 2019, 10, 1344-1373.	0.2	4

#	ARTICLE	IF	CITATIONS
1877	“We Are What We Eat”: How Diet Impacts the Gut Microbiota in Adulthood. , 2019, , 259-283.		1
1881	Effects of the intestinal microbiota on epigenetic mechanisms involved in the development of post-stress neuro-inflammation. <i>Ecological Genetics</i> , 2019, 17, 91-102.	0.1	0
1882	Probiotic <i>Lactobacillus plantarum</i> IS 10506 supplementation increase SCFA of women with functional constipation. <i>Iranian Journal of Microbiology</i> , 0, , .	0.8	8
1886	Relationship between non-alcoholic fatty liver disease and cardiovascular disease. <i>World Chinese Journal of Digestology</i> , 2020, 28, 313-329.	0.0	1
1887	An Infant Milk Formula Supplemented with Heat-Treated Probiotic <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> CECT 8145, Reduces Fat Deposition in <i>C. elegans</i> and Augments Acetate and Lactate in a Fermented Infant Slurry. <i>Foods</i> , 2020, 9, 652.	1.9	14
1888	Gastrointestinal Disasters of Cetuximab in the Treatment of Metastatic Colorectal Cancer: Mechanism and its Effect on Prognosis. <i>Aging Pathobiology and Therapeutics</i> , 2020, 2, 64-72.	0.3	0
1889	The concept of superdonor and other possible factors for the effectiveness of fecal microbiota transplantation. <i>Gastroenterologia</i> , 2020, 54, 202-209.	0.0	0
1892	Ferulic acid mediates prebiotic responses of cereal-derived arabinoxylans on host health. <i>Animal Nutrition</i> , 2022, 9, 31-38.	2.1	15
1893	Feeling gutted in chronic kidney disease (CKD): Gastrointestinal disorders and therapies to improve gastrointestinal health in individuals CKD, including those undergoing dialysis. <i>Seminars in Dialysis</i> , 2021, , .	0.7	7
1894	The Protective Effect of Basic Fibroblast Growth Factor in Intestine of db/db Mice: A 1H NMR-Based Metabolomics Investigation. <i>Journal of Proteome Research</i> , 2021, 20, 5024-5035.	1.8	1
1895	Effect of Gut Microbial Enterotypes on the Association between Habitual Dietary Fiber Intake and Insulin Resistance Markers in Mexican Children and Adults. <i>Nutrients</i> , 2021, 13, 3892.	1.7	6
1896	Associations Between the Gut Microbiota and Internalizing Behaviors in Preschool Children. <i>Psychosomatic Medicine</i> , 2022, 84, 159-169.	1.3	9
1897	Plant-Based, Antioxidant-Rich Snacks Elevate Plasma Antioxidant Ability and Alter Gut Bacterial Composition in Older Adults. <i>Nutrients</i> , 2021, 13, 3872.	1.7	4
1898	In vitro metabolic capacity of carbohydrate degradation by intestinal microbiota of adults and pre-frail elderly. <i>ISME Communications</i> , 2021, 1, .	1.7	6
1899	Efficiency of Resistant Starch and Dextrins as Prebiotics: A Review of the Existing Evidence and Clinical Trials. <i>Nutrients</i> , 2021, 13, 3808.	1.7	26
1900	Development and Validation of a LC-MS/MS Technique for the Analysis of Short Chain Fatty Acids in Tissues and Biological Fluids without Derivatisation Using Isotope Labelled Internal Standards. <i>Molecules</i> , 2021, 26, 6444.	1.7	12
1901	Imbalance in the Gut Microbiota of Children With Autism Spectrum Disorders. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 572752.	1.8	23
1902	Dietary λ -carrageenan facilitates gut microbiota-mediated intestinal inflammation. <i>Carbohydrate Polymers</i> , 2022, 277, 118830.	5.1	17

#	ARTICLE	IF	CITATIONS
1903	A Citrus Fruit Extract High in Polyphenols Beneficially Modulates the Gut Microbiota of Healthy Human Volunteers in a Validated In Vitro Model of the Colon. <i>Nutrients</i> , 2021, 13, 3915.	1.7	22
1904	Association Between Gut Microbiota and Elevated Serum Urate in Two Independent Cohorts. <i>Arthritis and Rheumatology</i> , 2022, 74, 682-691.	2.9	37
1905	Probiotic bacteria and plant-based matrices: An association with improved health-promoting features. <i>Journal of Functional Foods</i> , 2021, 87, 104821.	1.6	11
1906	Dietary Fiber and Gut Microbiota. <i>Food Engineering Series</i> , 2020, , 277-298.	0.3	6
1907	Review: Uremic Toxins and Gut Microbiome. , 2020, , 17-39.		0
1908	Gut microbiome responses to dietary intake of grain-based fibers with the potential to modulate markers of metabolic disease: a systematic literature review. <i>Nutrition Reviews</i> , 2021, 79, 1274-1292.	2.6	4
1909	Comparison of thrombus, gut, and oral microbiomes in Korean patients with ST-elevation myocardial infarction: a caseâ€“control study. <i>Experimental and Molecular Medicine</i> , 2020, 52, 2069-2079.	3.2	20
1910	Study on the new strategy and key techniques for accurate prevention and treatment of nonalcoholic steatohepatitis based on intestinal target bacteria. <i>Medicine (United States)</i> , 2020, 99, e22867.	0.4	1
1911	The importance of daily care in prevention and treatment periodontal inflammation in adolescents. <i>Parodontologiya</i> , 2020, 25, 343-348.	0.1	0
1914	Extrusion effect on in vitro fecal fermentation of fruit peels used as dietary fiber sources. <i>LWT - Food Science and Technology</i> , 2022, 153, 112569.	2.5	10
1915	Herbal biomolecules as nutraceuticals. , 2022, , 525-549.		1
1916	Fluoride exposure cause colon microbiota dysbiosis by destroyed microenvironment and disturbed antimicrobial peptides expression in colon. <i>Environmental Pollution</i> , 2022, 292, 118381.	3.7	8
1917	The Mucosally-Adherent Rectal Microbiota Contains Features Unique to Alcohol-Related Cirrhosis. <i>Gut Microbes</i> , 2021, 13, 1987781.	4.3	10
1918	Gut Microbiota and Risk for Atherosclerosis: Current Understanding of the Mechanisms. , 2020, , 167-186.		0
1919	Gut Microbiota and Health. , 2020, , 31-79.		0
1920	Dietary Fiber and Hyperlipidemia and Cardiovascular Disease. <i>Food Engineering Series</i> , 2020, , 219-239.	0.3	1
1921	Chapter 1. Diabetes and Obesity: An Overview of Nutritional Effects. <i>Food Chemistry, Function and Analysis</i> , 2020, , 1-23.	0.1	0
1925	A metaproteomic-based gut microbiota profiling in children affected by autism spectrum disorders. <i>Journal of Proteomics</i> , 2022, 251, 104407.	1.2	14

#	ARTICLE	IF	CITATIONS
1926	Gut microbiota and related metabolites in the pathogenesis of nonalcoholic steatohepatitis and its resolution after bariatric surgery. <i>Obesity Reviews</i> , 2022, 23, e13367.	3.1	7
1927	Over-feeding the gut microbiome: A scoping review on health implications and therapeutic perspectives. <i>World Journal of Gastroenterology</i> , 2021, 27, 7041-7064.	1.4	10
1928	Unraveling differences in fecal microbiota stability in mammals: from high variable carnivores and consistently stable herbivores. <i>Animal Microbiome</i> , 2021, 3, 77.	1.5	19
1929	Biomarkers of Gut Microbiota in Chronic Spontaneous Urticaria and Symptomatic Dermographism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 703126.	1.8	13
1931	Role of Gut Microbiome on Metabolic Disorders. <i>Journal of Advances in Medical and Pharmaceutical Sciences</i> , 0, , 21-35.	0.2	0
1933	Effects of voluntary exercise on plasma and urinary metabolites and gut microbiota in mice fed with high-fat-diet. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2020, 9, 205-215.	0.2	0
1934	Itâ€™s not a gut feeling â€“ fruit and vegetables do have prebiotic-like effects. <i>Acta Horticulturae</i> , 2020, , 337-344.	0.1	0
1935	Evaluation of the Levels of Metabolites in Feces of Patients with Inflammatory Bowel Diseases. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2020, 14, 312-319.	0.2	1
1936	Contributions of <i>Lactobacillus plantarum</i> PC170 administration on the recovery of gut microbiota after short-term ceftriaxone exposure in mice. <i>Beneficial Microbes</i> , 2020, 11, 489-509.	1.0	7
1938	Sodium butyrate protects against lipopolysaccharide-induced liver injury partially via the GPR43/ β 2-arrestin-2/NF- κ B network. <i>Gastroenterology Report</i> , 2021, 9, 154-165.	0.6	19
1941	The Biochemical Linkage between Gut Microbiota and Obesity: a Mini Review. <i>Human Physiology</i> , 2020, 46, 703-708.	0.1	0
1942	Moxidectin Effects on Gut Microbiota of Wistar-Kyoto Rats: Relevance to Depressive-Like Behavior. <i>Clinical Pharmacology and Translational Medicine</i> , 2019, 3, 134-142.	0.3	4
1943	Probiotic IS 10506 supplementation increase SCFA of women with functional constipation. <i>Iranian Journal of Microbiology</i> , 2019, 11, 389-396.	0.8	7
1945	Prebiotics Improved the Defecation Status via Changes in the Microbiota and Short-chain Fatty Acids in Hemodialysis Patients. <i>Kobe Journal of Medical Sciences</i> , 2020, 66, E12-E21.	0.2	2
1946	The protective role of short-chain fatty acids acting as signal molecules in chemotherapy- or radiation-induced intestinal inflammation. <i>American Journal of Cancer Research</i> , 2020, 10, 3508-3531.	1.4	4
1947	Effect of Daikenchuto On Spontaneous Intestinal Tumors in Apc Mice. <i>Kobe Journal of Medical Sciences</i> , 2021, 66, E139-E148.	0.2	0
1948	Ulcerative colitis results in differential metabolism of cranberry polyphenols by the colon microbiome <i>in vitro</i> . <i>Food and Function</i> , 2021, 12, 12751-12764.	2.1	5
1949	Characterization of gut microbiota in captive Himalayan tahr (<i>Hemitragus jemlahicus</i>) and the limited effect of sex on intestinal microorganisms of tahr. , 2021, 88, 1177-1188.		0

#	ARTICLE	IF	CITATIONS
1950	A new paradigm for a new simple chemical: butyrate & immune regulation. Food and Function, 2021, 12, 12181-12193.	2.1	15
1951	Next-generation microbial drugs developed from microbiome's natural products. Advances in Genetics, 2021, 108, 341-382.	0.8	2
1952	Potential role of pulses in the development of functional foods modulating inflammation and oxidative stress. , 2022, , 287-309.		1
1953	Microbial metabolites beneficial in regulation of obesity. , 2022, , 355-375.		1
1954	Anti-obesity natural products and gut microbiota. Food Research International, 2022, 151, 110819.	2.9	23
1955	Gut microbiota-derived short-chain fatty acids and colorectal cancer: Ready for clinical translation?. Cancer Letters, 2022, 526, 225-235.	3.2	87
1956	Effects of dietary Astragalus Membranaceus supplementation on growth performance, and intestinal morphology, microbiota and metabolism in common carp (Cyprinus carpio). Aquaculture Reports, 2022, 22, 100955.	0.7	15
1957	Free fatty acid receptor 2 promotes cardiomyocyte hypertrophy by activating STAT3 and GATA4. Food Science and Human Wellness, 2022, 11, 405-417.	2.2	3
1958	Dietary Soluble Fiber Improved Fecal Consistency in Burned Patients with Diarrhea. Jurnal Plastik Rekonstruksi, 2021, 8, 84-87.	0.2	0
1959	Xylan alleviates dietary fiber deprivation-induced dysbiosis by selectively promoting Bifidobacterium pseudocatenulatum in pigs. Microbiome, 2021, 9, 227.	4.9	28
1960	Probiotic supplementation attenuates age-related sarcopenia via the gut-muscle axis in SAMP8 mice. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 515-531.	2.9	38
1961	Gut-Microbial Metabolites, Probiotics and Their Roles in Type 2 Diabetes. International Journal of Molecular Sciences, 2021, 22, 12846.	1.8	32
1962	Microbiomes in the Intestine of Developing Pigs: Implications for Nutrition and Health. Advances in Experimental Medicine and Biology, 2022, 1354, 161-176.	0.8	4
1963	Microbiota links to neural dynamics supporting threat processing. Human Brain Mapping, 2022, 43, 733-749.	1.9	12
1964	Fatty acid metabolism and acyl-CoA synthetases in the liver-gut axis. World Journal of Hepatology, 2021, 13, 1512-1533.	0.8	12
1965	Colonic Diverticular Disease. , 2022, , 665-680.		0
1966	Bifidobacterium adolescentis regulates catalase activity and host metabolism and improves healthspan and lifespan in multiple species. Nature Aging, 2021, 1, 991-1001.	5.3	18
1967	Characterization of the gut microbiota in hemodialysis patients with sarcopenia. International Urology and Nephrology, 2022, 54, 1899-1906.	0.6	6

#	ARTICLE	IF	CITATIONS
1968	Editorial: Remodeling Composition and Function of Microbiome by Dietary Strategies - Functional Foods Perspective. <i>Frontiers in Nutrition</i> , 2021, 8, 811102.	1.6	0
1969	Soluble Dietary Fiber, One of the Most Important Nutrients for the Gut Microbiota. <i>Molecules</i> , 2021, 26, 6802.	1.7	81
1970	Dietary Fibers: Effects, Underlying Mechanisms and Possible Role in Allergic Asthma Management. <i>Nutrients</i> , 2021, 13, 4153.	1.7	17
1971	The interaction among gut microbes, the intestinal barrier and short chain fatty acids. <i>Animal Nutrition</i> , 2022, 9, 159-174.	2.1	59
1972	Simultaneous quantification of eleven short-chain fatty acids by derivatization and solid phase microextraction - Gas chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1661, 462680.	1.8	17
1973	Effects of Bacterial Metabolites on the Immune System: Enemies and Friends. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2022, 22, 1167-1177.	0.6	1
1974	<i>Lactobacillus rhamnosus</i> GG Colonization in Early Life Ameliorates Inflammation of Offspring by Activating SIRT1/AMPK/PGC-1 β Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-27.	1.9	17
1975	Ginsenoside Rb1 ameliorates Glycemic Disorder in Mice With High Fat Diet-Induced Obesity via Regulating Gut Microbiota and Amino Acid Metabolism. <i>Frontiers in Pharmacology</i> , 2021, 12, 756491.	1.6	21
1976	Gut-Bone Axis: A Non-Negligible Contributor to Periodontitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 752708.	1.8	19
1977	Dual role of microbiota-derived short-chain fatty acids on host and pathogen. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112352.	2.5	70
1978	Effect of Nutrition on Age-Related Metabolic Markers and the Gut Microbiota in Cats. <i>Microorganisms</i> , 2021, 9, 2430.	1.6	1
1979	Microbial regulation of hexokinase 2 links mitochondrial metabolism and cell death in colitis. <i>Cell Metabolism</i> , 2021, 33, 2355-2366.e8.	7.2	40
1980	Association between Dietary Fiber Intake and Incidence of Depression and Anxiety in Patients with Essential Hypertension. <i>Nutrients</i> , 2021, 13, 4159.	1.7	15
1981	Effects of Dietary Supplementation With <i>Bacillus subtilis</i> , as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens. <i>Frontiers in Nutrition</i> , 2021, 8, 786878.	1.6	32
1982	Short-Chain Fatty Acids Reduced Renal Calcium Oxalate Stones by Regulating the Expression of Intestinal Oxalate Transporter SLC26A6. <i>MSystems</i> , 2021, 6, e0104521.	1.7	19
1983	Two microbiota subtypes identified in irritable bowel syndrome with distinct responses to the low FODMAP diet. <i>Gut</i> , 2022, 71, 1821-1830.	6.1	63
1984	Bornly Attenuates Colitis-Associated Colorectal Cancer via Inhibiting GPR43-Mediated Glycolysis. <i>Frontiers in Nutrition</i> , 2021, 8, 706382.	1.6	8
1985	Dietary Regulation of Gut-Brain Axis in Alzheimer's Disease: Importance of Microbiota Metabolites. <i>Frontiers in Neuroscience</i> , 2021, 15, 736814.	1.4	24

#	ARTICLE	IF	CITATIONS
1986	Natural Ingredients from Medicine Food Homology as Chemopreventive Reagents against Type 2 Diabetes Mellitus by Modulating Gut Microbiota Homeostasis. <i>Molecules</i> , 2021, 26, 6934.	1.7	8
1987	A New Formulation of Probiotics Attenuates Calcipotriol-Induced Dermatitis by Inducing Regulatory Dendritic Cells. <i>Frontiers in Immunology</i> , 2021, 12, 775018.	2.2	4
1988	<i>Pediococcus pentosaceus</i> IM96 Exerts Protective Effects against Enterohemorrhagic <i>Escherichia coli</i> O157:H7 Infection In Vivo. <i>Foods</i> , 2021, 10, 2945.	1.9	9
1989	Mathematical Modeling of the Gut-Bone Axis and Implications of Butyrate Treatment on Osteoimmunology. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 17814-17825.	1.8	7
1990	Untangling human milk oligosaccharides and infant gut microbiome. <i>IScience</i> , 2022, 25, 103542.	1.9	39
1991	Sodium butyrate inhibits colitis-associated colorectal cancer through preventing the gut microbiota dysbiosis and reducing the expression of NLRP3 and IL-1 β . <i>Journal of Functional Foods</i> , 2021, 87, 104862.	1.6	8
1992	Analysis of the relationship between bile duct and duodenal microbiota reveals that potential dysbacteriosis is the main cause of primary common bile duct stones. <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 414-428.	1.8	6
1993	Research progress in the role of gut microbiota and its metabolites in intrahepatic cholestasis of pregnancy. <i>Expert Review of Gastroenterology and Hepatology</i> , 2021, 15, 1361-1366.	1.4	3
1995	Dietary fiber: Physiological effects and health outcomes. , 2023, , 306-315.		1
1996	Influence of alfalfa meal, as a source of dietary fibre, on growth performance, development, pH of gastrointestinal tract, blood biochemical profile, and meat quality of broilers. <i>Journal of Applied Animal Research</i> , 2021, 49, 431-439.	0.4	5
1997	The role of gut microbiota in infectious diseases. <i>WIREs Mechanisms of Disease</i> , 2022, 14, e1551.	1.5	4
1998	Gut microbiota-motility interregulation: insights from <i>in vivo</i> , <i>ex vivo</i> and <i>in silico</i> studies. <i>Gut Microbes</i> , 2022, 14, 1997296.	4.3	34
2000	Increased circulating butyrate and ursodeoxycholate during probiotic intervention in humans with type 2 diabetes. <i>BMC Microbiology</i> , 2022, 22, 19.	1.3	14
2001	<i>Lactiplantibacillus plantarum</i> CCFM1019 attenuate polycystic ovary syndrome through butyrate dependent gut-brain mechanism. <i>Food and Function</i> , 2022, 13, 1380-1392.	2.1	10
2002	Protective effects of <i>Bacteroides fragilis</i> against lipopolysaccharide-induced systemic inflammation and their potential functional genes. <i>Food and Function</i> , 2022, 13, 1015-1025.	2.1	16
2004	Development of gut microbiota along with its metabolites of preschool children. <i>BMC Pediatrics</i> , 2022, 22, 25.	0.7	9
2005	The Crosstalk between Gut Microbiota, Intestinal Immunological Niche and Visceral Adipose Tissue as a New Model for the Pathogenesis of Metabolic and Inflammatory Diseases: The Paradigm of Type 2 Diabetes Mellitus. <i>Current Medicinal Chemistry</i> , 2022, 29, 3189-3201.	1.2	7
2006	Microbiome-based therapeutics. <i>Nature Reviews Microbiology</i> , 2022, 20, 365-380.	13.6	165

#	ARTICLE	IF	CITATIONS
2027	Association between Fecal Short-Chain Fatty Acid Levels, Diet, and Body Mass Index in Patients with Inflammatory Bowel Disease. <i>Biology</i> , 2022, 11, 108.	1.3	12
2029	Updates and Original Case Studies Focused on the NMR-Linked Metabolomics Analysis of Human Oral Fluids Part I: Emerging Platforms and Perspectives. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1235.	1.3	4
2030	The Mediating Role of the Gut Microbiota in the Physical Growth of Children. <i>Life</i> , 2022, 12, 152.	1.1	8
2031	Are We What We Eat? Impact of Diet on the Gut-Brain Axis in Parkinson's Disease. <i>Nutrients</i> , 2022, 14, 380.	1.7	32
2032	Intestinal Microbiota and Serum Metabolic Profile Responded to Two Nutritional Different Diets in Mice. <i>Frontiers in Nutrition</i> , 2021, 8, 813757.	1.6	6
2033	Serum short-chain fatty acids and its correlation with motor and non-motor symptoms in Parkinson's disease patients. <i>BMC Neurology</i> , 2022, 22, 13.	0.8	25
2035	Prebiotic effects of goji berry in protection against inflammatory bowel disease. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 5206-5230.	5.4	11
2036	<i>Lactibacillus paracasei</i> K56 Attenuates High-Fat Diet-Induced Obesity by Modulating the Gut Microbiota in Mice. <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 844-855.	1.9	19
2037	Microbial and metabolomic mechanisms mediating the effects of dietary inulin and cellulose supplementation on porcine oocyte and uterine development. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 14.	2.1	4
2040	Microbiome mediation of animal life histories via metabolites and insulin-like signalling. <i>Biological Reviews</i> , 2022, 97, 1118-1130.	4.7	10
2041	Intestinal Inflammation and Alterations in the Gut Microbiota in Cystic Fibrosis: A Review of the Current Evidence, Pathophysiology and Future Directions. <i>Journal of Clinical Medicine</i> , 2022, 11, 649.	1.0	20
2042	The intestine and the microbiota in maternal glucose homeostasis during pregnancy. <i>Journal of Endocrinology</i> , 2022, 253, R1-R19.	1.2	11
2043	Effect of an infant formula containing sn-2 palmitate on fecal microbiota and metabolome profiles of healthy term infants: a randomized, double-blind, parallel, controlled study. <i>Food and Function</i> , 2022, 13, 2003-2018.	2.1	4
2044	Quantitative analysis of short-chain fatty acids in human plasma and serum by GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4391-4399.	1.9	17
2045	Effects of Multispecies Probiotic on Intestinal Microbiota and Mucosal Barrier Function of Neonatal Calves Infected With <i>E. coli</i> K99. <i>Frontiers in Microbiology</i> , 2021, 12, 813245.	1.5	6
2046	Host Microbiomes in Tumor Precision Medicine: How far are we?. <i>Current Medicinal Chemistry</i> , 2022, 29, 3202-3230.	1.2	7
2047	Polysaccharide utilization loci in <i>Bacteroides</i> determine population fitness and community-level interactions. <i>Cell Host and Microbe</i> , 2022, 30, 200-215.e12.	5.1	40
2048	Glucolipotoxicity promotes the capacity of the glycerolipid/NEFA cycle supporting the secretory response of pancreatic beta cells. <i>Diabetologia</i> , 2022, 65, 705-720.	2.9	13

#	ARTICLE	IF	CITATIONS
2049	Centenarian-Sourced <i>Lactobacillus casei</i> Combined with Dietary Fiber Complex Ameliorates Brain and Gut Function in Aged Mice. <i>Nutrients</i> , 2022, 14, 324.	1.7	11
2050	The Role of Gut Microbiota and Metabolites in Obesity-Associated Chronic Gastrointestinal Disorders. <i>Nutrients</i> , 2022, 14, 624.	1.7	19
2051	Postbiotics as potential promising tools for SARS-CoV-2 disease adjuvant therapy. <i>Journal of Applied Microbiology</i> , 2022, 132, 4097-4111.	1.4	9
2052	Living Lab for Citizens™ Wellness: A Case of Maintaining and Improving a Healthy Diet under the COVID-19 Pandemic. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1254.	1.2	1
2054	Hybrid, ultra-deep metagenomic sequencing enables genomic and functional characterization of low-abundance species in the human gut microbiome. <i>Gut Microbes</i> , 2022, 14, 2021790.	4.3	27
2055	Beneficial microbes from human and animal intestines. , 2022, , 55-76.		0
2056	Alterations of the Gut Microbiota in Response to Total Sleep Deprivation and Recovery Sleep in Rats. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 121-133.	1.4	18
2057	Seasonal shift of the gut microbiome synchronizes host peripheral circadian rhythm for physiological adaptation to a low-fat diet in the giant panda. <i>Cell Reports</i> , 2022, 38, 110203.	2.9	49
2058	Comparison of water- and alkali-extracted polysaccharides from Fuzhuan brick tea and their immunomodulatory effects <i>in vitro</i> and <i>in vivo</i> . <i>Food and Function</i> , 2022, 13, 806-824.	2.1	14
2059	Rhubarb Enema Increasing Short-Chain Fatty Acids that Improves the Intestinal Barrier Disruption in CKD May Be Related to the Regulation of Gut Dysbiosis. <i>BioMed Research International</i> , 2022, 2022, 1-15.	0.9	11
2060	Alterations of the Gut Microbiota in Patients With Severe Chronic Heart Failure. <i>Frontiers in Microbiology</i> , 2021, 12, 813289.	1.5	24
2061	Diet and mental health in pregnancy: Nutrients of importance based on large observational cohort data. <i>Nutrition</i> , 2022, 96, 111582.	1.1	15
2062	Role of Vitamin K in Intestinal Health. <i>Frontiers in Immunology</i> , 2021, 12, 791565.	2.2	30
2063	Gut Microbiota Metabolites in Major Depressive Disorder—Deep Insights into Their Pathophysiological Role and Potential Translational Applications. <i>Metabolites</i> , 2022, 12, 50.	1.3	45
2064	Effects of Antarctic Krill Products on Feed Intake, Growth Performance, Fillet Quality, and Health in Salmonids. <i>Aquaculture Nutrition</i> , 2022, 2022, 1-14.	1.1	10
2065	Effects of <i>Lactobacillus pentosus</i> combined with <i>Arthrospira platensis</i> on the growth performance, immune response, and intestinal microbiota of <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2022, 120, 345-352.	1.6	11
2067	Intake of high-purity insoluble dietary fiber from <i>Okara</i> for the amelioration of colonic environment disturbance caused by acute ulcerative colitis. <i>Food and Function</i> , 2022, 13, 213-226.	2.1	8
2068	Regulatory Effects of Combined Dietary Supplementation With Essential Oils and Organic Acids on Microbial Communities of Cobb Broilers. <i>Frontiers in Microbiology</i> , 2021, 12, 814626.	1.5	6

#	ARTICLE	IF	CITATIONS
2069	Characteristics of an In Vitro Mesenteric Lymph Node Cell Suspension Model and Its Possible Association with In Vivo Functional Evaluation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1003.	1.8	3
2070	Fermented egg-milk beverage alleviates dextran sulfate sodium-induced colitis in mice through the modulation of intestinal flora and short-chain fatty acids. <i>Food and Function</i> , 2022, 13, 702-715.	2.1	9
2071	Impact of Co-Delivery of EGCG and Tuna Oil within a Broccoli Matrix on Human Gut Microbiota, Phenolic Metabolites and Short Chain Fatty Acids In Vitro. <i>Molecules</i> , 2022, 27, 656.	1.7	2
2072	Intestinal gluconeogenesis shapes gut microbiota, fecal and urine metabolome in mice with gastric bypass surgery. <i>Scientific Reports</i> , 2022, 12, 1415.	1.6	4
2073	Association Between Long-Term Regular Exercise and Gut Microbiota Among Middle-Aged and Older Urban Chinese. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2022, , 1-9.	1.0	1
2074	Natural Herbal Remedy Wumei Decoction Ameliorates Intestinal Mucosal Inflammation by Inhibiting Th1/Th17 Cell Differentiation and Maintaining Microbial Homeostasis. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 1061-1071.	0.9	12
2075	Dietary fiber in plant cell wallsâ€”the healthy carbohydrates. <i>Food Quality and Safety</i> , 2022, 6, .	0.6	15
2076	Human gut-microbiome-derived propionate coordinates proteasomal degradation via HECTD2 upregulation to target EHMT2 in colorectal cancer. <i>ISME Journal</i> , 2022, 16, 1205-1221.	4.4	37
2077	Gut Microbiota and Short Chain Fatty Acids: Implications in Glucose Homeostasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1105.	1.8	215
2078	Biological Effects of Indole-3-Propionic Acid, a Gut Microbiota-Derived Metabolite, and Its Precursor Tryptophan in Mammalsâ€™ Health and Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1222.	1.8	64
2079	Gut Microbiome and Organ Fibrosis. <i>Nutrients</i> , 2022, 14, 352.	1.7	20
2080	Gut Microbiota Dysbiosis in Acute Ischemic Stroke Associated With 3-Month Unfavorable Outcome. <i>Frontiers in Neurology</i> , 2021, 12, 799222.	1.1	20
2081	Implications of the Gut Microbiome in Sports. <i>Sports Health</i> , 2022, 14, 894-898.	1.3	11
2082	Mapping the Green-Lipped Mussel (<i>Perna canaliculus</i>) Microbiome: A Multi-Tissue Analysis of Bacterial and Fungal Diversity. <i>Current Microbiology</i> , 2022, 79, 76.	1.0	10
2083	Diet-Induced Non-alcoholic Fatty Liver Disease and Associated Gut Dysbiosis Are Exacerbated by Oral Infection. <i>Frontiers in Oral Health</i> , 2021, 2, 784448.	1.2	2
2084	New definition of resistant starch types from the gut microbiota perspectives â€” a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 6412-6422.	5.4	8
2085	Sesquiterpene glycoside isolated from loquat leaf targets gut microbiota to prevent type 2 diabetes mellitus in db/db mice. <i>Food and Function</i> , 2022, 13, 1519-1534.	2.1	14
2086	Women with type 1 diabetes exhibit a progressive increase in gut <i>Saccharomyces cerevisiae</i> in pregnancy associated with evidence of gut inflammation. <i>Diabetes Research and Clinical Practice</i> , 2022, 184, 109189.	1.1	6

#	ARTICLE	IF	CITATIONS
2087	Gut microbiome and health: mechanistic insights. <i>Gut</i> , 2022, 71, 1020-1032.	6.1	661
2088	Gut microbiome of the largest living rodent harbors unprecedented enzymatic systems to degrade plant polysaccharides. <i>Nature Communications</i> , 2022, 13, 629.	5.8	26
2089	Schizophyllum commune-derived β -glucan improves intestinal health demonstrating protective effects against constipation and common metabolic disorders. <i>Applied Biological Chemistry</i> , 2022, 65, .	0.7	10
2090	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
2091	Feed-additive <i>Limosilactobacillus fermentum</i> GR-3 reduces arsenic accumulation in <i>Procambarus clarkii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113216.	2.9	4
2093	Polydextrose Alleviates Adipose Tissue Inflammation and Modulates the Gut Microbiota in High-Fat Diet-Fed Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 795483.	1.6	15
2094	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling. <i>Molecular and Cellular Endocrinology</i> , 2022, 546, 111572.	1.6	117
2095	Xanthoceraside exerts anti-Alzheimer's disease effect by remodeling gut microbiota and modulating microbial-derived metabolites level in rats. <i>Phytomedicine</i> , 2022, 98, 153937.	2.3	18
2096	Manipulation of cadmium and diethylhexyl phthalate on <i>Rana chensinensis</i> tadpoles affects the intestinal microbiota and fatty acid metabolism. <i>Science of the Total Environment</i> , 2022, 821, 153455.	3.9	6
2097	Functional oligosaccharide fermentation in the gut: Improving intestinal health and its determinant factors-A review. <i>Carbohydrate Polymers</i> , 2022, 284, 119043.	5.1	34
2098	Absolute abundance values reveal microbial shifts and co-occurrence patterns during gut microbiota fermentation of dietary fibres in vitro. <i>Food Hydrocolloids</i> , 2022, 127, 107422.	5.6	9
2099	Hypoxia Improves Endurance Performance by Enhancing Short Chain Fatty Acids Production via Gut Microbiota Remodeling. <i>Frontiers in Microbiology</i> , 2021, 12, 820691.	1.5	9
2100	Maternal Long-Term Intake of Inulin Improves Fetal Development through Gut Microbiota and Related Metabolites in a Rat Model. <i>Journal of Agricultural and Food Chemistry</i> , 2022, .	2.4	2
2101	How Gut Microbes Nurture Intestinal Stem Cells: A <i>Drosophila</i> Perspective. <i>Metabolites</i> , 2022, 12, 169.	1.3	7
2102	Beyond gut instincts: Microbe survival depends on sugars and butyrate. <i>Cell</i> , 2022, 185, 414-416.	13.5	4
2103	Additional Resistant Starch from One Potato Side Dish per Day Alters the Gut Microbiota but Not Fecal Short-Chain Fatty Acid Concentrations. <i>Nutrients</i> , 2022, 14, 721.	1.7	7
2104	Dietary macronutrients and the gut microbiome: a precision nutrition approach to improve cardiometabolic health. <i>Gut</i> , 2022, 71, 1214-1226.	6.1	50
2105	Oral Administration of <i>Euglena Gracilis</i> ; Z Alleviates Constipation and Cardiac Dysfunction in a Mouse Model of Isoproterenol-Induced Heart Failure. <i>Circulation Reports</i> , 2022, 4, 83-91.	0.4	1

#	ARTICLE	IF	CITATIONS
2106	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
2107	Strain-level fitness in the gut microbiome is an emergent property of glycans and a single metabolite. <i>Cell</i> , 2022, 185, 513-529.e21.	13.5	36
2108	Deprivation of Dietary Fiber Enhances Susceptibility of Piglets to Lung Immune Stress. <i>Frontiers in Nutrition</i> , 2022, 9, 827509.	1.6	3
2109	Effects of Soluble and Insoluble Dietary Fiber from Corn Bran on Pasting, Thermal, and Structural Properties of Corn Starch. <i>Starch/Staerke</i> , 2022, 74, .	1.1	11
2110	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
2111	The links between gut microbiota and obesity and obesity related diseases. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112678.	2.5	86
2112	Potential prebiotic effects of nonabsorptive components of Keemun and Dianhong black tea: an in vitro study. <i>Food Science and Human Wellness</i> , 2022, 11, 648-659.	2.2	4
2113	Fermentation characteristics and probiotic activity of a purified fraction of polysaccharides from Fuzhuan brick tea. <i>Food Science and Human Wellness</i> , 2022, 11, 727-737.	2.2	16
2114	Interplay Among Metabolism, Epigenetic Modifications, and Gene Expression in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 793428.	1.8	30
2115	Intestinal Barrier and Permeability in Health, Obesity and NAFLD. <i>Biomedicines</i> , 2022, 10, 83.	1.4	71
2116	Homeostasis and dysbiosis of the gut microbiome in health and disease. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	29
2117	The Gut Microbiota and Host Metabolism. , 2022, , 141-175.		2
2118	Efficient and economical biosynthesis of high-purity isomaltulose from sugar industrial waste molasses using an engineered <i>Corynebacterium glutamicum</i> strain. <i>Green Chemistry</i> , 0, , .	4.6	3
2119	Anti-hyperlipidemic and ameliorative effects of chickpea starch and resistant starch in mice with high fat diet induced obesity are associated with their multi-scale structural characteristics. <i>Food and Function</i> , 2022, 13, 5135-5152.	2.1	4
2120	Gut microbiota can utilize prebiotic birch glucuronoxylan in production of short-chain fatty acids in rats. <i>Food and Function</i> , 2022, 13, 3746-3759.	2.1	10
2121	Gut microbiota-derived metabolites in host physiology. , 2022, , 515-534.		1
2122	Microbiota. , 2022, , 21-56.		0
2124	The Impacts of Microbiota on Animal Development and Physiology. , 2022, , 177-196.		3

#	ARTICLE	IF	CITATIONS
2125	Diet-gut microbiota interactions on cardiovascular disease. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 1528-1540.	1.9	34
2126	Oryzanol alleviates high fat and cholesterol diet-induced hypercholesterolemia associated with the modulation of the gut microbiota in hamsters. <i>Food and Function</i> , 2022, 13, 4486-4501.	2.1	21
2127	Rewiring host-microbe interactions and barrier function during gastrointestinal inflammation. <i>Gastroenterology Report</i> , 2022, 10, goac008.	0.6	14
2128	Intertwined Relationship of Mitochondrial Metabolism, Gut Microbiome and Exercise Potential. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2679.	1.8	16
2129	Relationships Among Gut Microbiota, Ischemic Stroke and Its Risk Factors: Based on Research Evidence. <i>International Journal of General Medicine</i> , 0, Volume 15, 2003-2023.	0.8	1
2130	A review on the potential use of natural products in overweight and obesity. <i>Phytotherapy Research</i> , 2022, 36, 1990-2015.	2.8	7
2131	Lipid Metabolism and Epigenetics Crosstalk in Prostate Cancer. <i>Nutrients</i> , 2022, 14, 851.	1.7	17
2132	Gut Microbiota and Metabolism in Different Stages of Life and Health. <i>Microorganisms</i> , 2022, 10, 474.	1.6	0
2133	In vitro gastrointestinal digestion of <i>Lentinus squarrosulus</i> powder and impact on human fecal microbiota. <i>Scientific Reports</i> , 2022, 12, 2655.	1.6	12
2134	Low-Dose Interleukin-2 Altered Gut Microbiota and Ameliorated Collagen-Induced Arthritis. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 1365-1379.	1.6	5
2135	Gut microbiota-drug interactions in cancer pharmacotherapies: implications for efficacy and adverse effects. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2022, 18, 5-26.	1.5	4
2136	Enzymatic Preparation of Low-Molecular-Weight <i>Laminaria japonica</i> Polysaccharides and Evaluation of Its Effect on Modulating Intestinal Microbiota in High-Fat-Diet-Fed Mice. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 820892.	2.0	7
2137	Recent development in fabrication and evaluation of phenolic-dietary fiber composites for potential treatment of colonic diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 6860-6884.	5.4	5
2138	Effect of Dietary <i>Bacillus licheniformis</i> Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks. <i>Frontiers in Veterinary Science</i> , 2022, 9, 832141.	0.9	1
2139	Gut Microbiome in Non-Alcoholic Fatty Liver Disease: From Mechanisms to Therapeutic Role. <i>Biomedicines</i> , 2022, 10, 550.	1.4	16
2140	From the Dish to the Real World: Modeling Interactions between the Gut and Microorganisms in Gut Organoids by Tailoring the Gut Milieu. <i>International Journal of Stem Cells</i> , 2022, 15, 70-84.	0.8	7
2141	The improvement of parturition duration by high intake of dietary fibre in late gestation is associated with gut microbiota and metabolome in sows. <i>British Journal of Nutrition</i> , 2022, 128, 2341-2352.	1.2	3
2142	Personal diet-microbiota interactions and weight loss. <i>Proceedings of the Nutrition Society</i> , 2022, 81, 243-254.	0.4	8

#	ARTICLE	IF	CITATIONS
2143	ACSS3 in brown fat drives propionate catabolism and its deficiency leads to autophagy and systemic metabolic dysfunction. <i>Clinical and Translational Medicine</i> , 2022, 12, e665.	1.7	6
2144	In Vitro Effects of Tartary Buckwheat-Derived Nanovesicles on Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2616-2629.	2.4	18
2145	<i>Cordyceps militaris</i> Modulates Intestinal Barrier Function and Gut Microbiota in a Pig Model. <i>Frontiers in Microbiology</i> , 2022, 13, 810230.	1.5	2
2146	Targeting Gut Microbiota With Natural Polysaccharides: Effective Interventions Against High-Fat Diet-Induced Metabolic Diseases. <i>Frontiers in Microbiology</i> , 2022, 13, 859206.	1.5	16
2147	Temporal and Spatial Changes in the Microbiome Following Pediatric Severe Traumatic Brain Injury. <i>Pediatric Critical Care Medicine</i> , 2022, 23, 425-434.	0.2	8
2148	Metformin attenuated sepsis-related liver injury by modulating gut microbiota. <i>Emerging Microbes and Infections</i> , 2022, 11, 815-828.	3.0	58
2149	Molecular properties of postbiotics and their role in controlling aquaculture diseases. <i>Aquaculture Research</i> , 2022, 53, 3257-3273.	0.9	12
2150	Mechanisms Underlying the Interaction Between Chronic Neurological Disorders and Microbial Metabolites via Tea Polyphenols Therapeutics. <i>Frontiers in Microbiology</i> , 2022, 13, 823902.	1.5	4
2151	Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation. <i>Frontiers in Nutrition</i> , 2022, 9, 832848.	1.6	5
2152	The Bridge Between Ischemic Stroke and Gut Microbes: Short-Chain Fatty Acids. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 543-559.	1.7	9
2153	The effects of dietary fibers from rice bran and wheat bran on gut microbiota: An overview. <i>Food Chemistry: X</i> , 2022, 13, 100252.	1.8	34
2154	Microbiome and metabolome profiles of high screen time in a cohort of healthy college students. <i>Scientific Reports</i> , 2022, 12, 3452.	1.6	8
2155	Gut microbiota-derived short-chain fatty acids regulate group 3 innate lymphoid cells in HCC. <i>Hepatology</i> , 2023, 77, 48-64.	3.6	46
2156	Pygidial glands of the blue ground beetle <i>Carabus intricatus</i> : chemical composition of the secretion and its antimicrobial activity. <i>Die Naturwissenschaften</i> , 2022, 109, 19.	0.6	3
2157	Decoding microbial genomes to understand their functional roles in human complex diseases. , 2022, 1, .		12
2158	Mucus sialylation determines intestinal host-commensal homeostasis. <i>Cell</i> , 2022, 185, 1172-1188.e28.	13.5	66
2159	Exogenous butyrate regulates lipid metabolism through GPR41-ERK-AMPK pathway in rabbits. <i>Italian Journal of Animal Science</i> , 2022, 21, 473-487.	0.8	5
2160	The Role of Dietary Fiber and Gut Microbiome Modulation in Progression of Chronic Kidney Disease. <i>Toxins</i> , 2022, 14, 183.	1.5	14

#	ARTICLE	IF	CITATIONS
2161	Lactobacillus salivarius CML352 Isolated from Chinese Local Breed Chicken Modulates the Gut Microbiota and Improves Intestinal Health and Egg Quality in Late-Phase Laying Hens. <i>Microorganisms</i> , 2022, 10, 726.	1.6	19
2162	Dietary fiber combinations to mitigate the metabolic, microbial, and cognitive imbalances resulting from diet-induced obesity in rats. <i>FASEB Journal</i> , 2022, 36, e22269.	0.2	4
2163	Multi-Omics Analyses Characterize the Gut Microbiome and Metabolome Signatures of Soldiers Under Sustained Military Training. <i>Frontiers in Microbiology</i> , 2022, 13, 827071.	1.5	2
2164	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
2165	Understanding the mechanism underlying the anti-diabetic effect of dietary component: a focus on gut microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 7378-7398.	5.4	11
2166	Intestinal Alkaline Phosphatase: A Review of This Enzyme Role in the Intestinal Barrier Function. <i>Microorganisms</i> , 2022, 10, 746.	1.6	15
2167	Diagnostic, Prognostic, and Therapeutic Roles of Gut Microbiota in COVID-19: A Comprehensive Systematic Review. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 804644.	1.8	40
2168	Carbohydrate-active enzymes (CAZymes) in the gut microbiome. <i>Nature Reviews Microbiology</i> , 2022, 20, 542-556.	13.6	139
2169	Microbiota-muscle/immune interactions in rhesus macaque under simulated microgravity revealed by integrated multi-omics analysis. <i>JCSM Rapid Communications</i> , 2022, 5, 212-225.	0.6	2
2170	Gut microbiome-micronutrient interaction: The key to controlling the bioavailability of minerals and vitamins?. <i>BioFactors</i> , 2022, 48, 307-314.	2.6	33
2171	Microbial Metabolite Regulation of Epithelial Cell-Cell Interactions and Barrier Function. <i>Cells</i> , 2022, 11, 944.	1.8	15
2173	Effect of 6-Methoxybenzoxazolinone on the Cecal Microbiota of Adult Male Brandt's Vole. <i>Frontiers in Microbiology</i> , 2022, 13, 847073.	1.5	3
2174	Chlorella pyrenoidosa Polysaccharides as a Prebiotic to Modulate Gut Microbiota: Physicochemical Properties and Fermentation Characteristics In Vitro. <i>Foods</i> , 2022, 11, 725.	1.9	15
2175	Association of Gut Microbiota With Metabolism in Rainbow Trout Under Acute Heat Stress. <i>Frontiers in Microbiology</i> , 2022, 13, 846336.	1.5	11
2176	A Randomised, Double-Blind, Placebo-Controlled Trial Evaluating Concentrated Phytochemical-Rich Nutritional Capsule in Addition to a Probiotic Capsule on Clinical Outcomes among Individuals with COVID-19-The UK Phyto-V Study. <i>Covid</i> , 2022, 2, 433-449.	0.7	7
2177	Anorexia nervosa and gut microbiome: implications for weight change and novel treatments. <i>Expert Review of Gastroenterology and Hepatology</i> , 2022, , .	1.4	5
2178	Therapeutic Effects of Bifidobacterium breve YH68 in Combination with Vancomycin and Metronidazole in a Primary Clostridioides difficile-Infected Mouse Model. <i>Microbiology Spectrum</i> , 2022, 10, e0067222.	1.2	5
2179	Fusobacterium nucleatum reduces METTL3-mediated m6A modification and contributes to colorectal cancer metastasis. <i>Nature Communications</i> , 2022, 13, 1248.	5.8	83

#	ARTICLE	IF	CITATIONS
2180	MetaPop: a pipeline for macro- and microdiversity analyses and visualization of microbial and viral metagenome-derived populations. <i>Microbiome</i> , 2022, 10, 49.	4.9	24
2181	Propionic acid regulates immune tolerant properties in B Cells. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2766-2776.	1.6	8
2182	Associations of the Gut Microbiota Composition and Fecal Short-Chain Fatty Acids with Leukocyte Telomere Length in Children Aged 6 to 9 Years in Guangzhou, China: A Cross-sectional Study. <i>Journal of Nutrition</i> , 2022, 152, 1549-1559.	1.3	5
2183	Nutraceuticals in the Modulation of the Intestinal Microbiota: Current Status and Future Directions. <i>Frontiers in Pharmacology</i> , 2022, 13, 841782.	1.6	1
2184	Lactobacillus Suppresses Tumorigenesis of Oropharyngeal Cancer via Enhancing Anti-Tumor Immune Response. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 842153.	1.8	8
2185	New Paradigms for Familial Diseases: Lessons Learned on Circulatory Bacterial Signatures in Cardiometabolic Diseases. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2022, , .	0.6	1
2186	Improvement of the Gut Microbiota In Vivo by a Short-Chain Fatty Acids-Producing Strain <i>Lactococcus garvieae</i> CF11. <i>Processes</i> , 2022, 10, 604.	1.3	7
2187	Differential effects of the soluble fiber inulin in reducing adiposity and altering gut microbiome in aging mice. <i>Journal of Nutritional Biochemistry</i> , 2022, 105, 108999.	1.9	12
2188	Oral Neutrophil Free Fatty Acid Receptors Expression May Link Oral Host and Microbiome Lipid Metabolism. <i>Frontiers in Oral Health</i> , 2022, 3, 821326.	1.2	2
2189	Microbial metabolite butyrate promotes induction of IL-10+IgM+ plasma cells. <i>PLoS ONE</i> , 2022, 17, e0266071.	1.1	18
2190	Impact of Feeding Postbiotics and Paraprobiotics Produced From <i>Lactiplantibacillus plantarum</i> on Colon Mucosa Microbiota in Broiler Chickens. <i>Frontiers in Veterinary Science</i> , 2022, 9, 859284.	0.9	4
2191	Dynamics of the normal gut microbiota: A longitudinal one-year population study in Sweden. <i>Cell Host and Microbe</i> , 2022, 30, 726-739.e3.	5.1	64
2192	The Modulation of Chaihu Shugan Formula on Microbiota Composition in the Simulator of the Human Intestinal Microbial Ecosystem Technology Platform and its Influence on Gut Barrier and Intestinal Immunity in Caco-2/THP1-Blue, Cell Co-Culture Model. <i>Frontiers in Pharmacology</i> , 2022, 13, 820543.	1.6	7
2193	Sodium Butyrate Attenuates Taurocholate-Induced Acute Pancreatitis by Maintaining Colonic Barrier and Regulating Gut Microorganisms in Mice. <i>Frontiers in Physiology</i> , 2022, 13, 813735.	1.3	7
2194	IL10 Secretion Endows Intestinal Human iNKT Cells with Regulatory Functions Towards Pathogenic T Lymphocytes. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 1461-1474.	0.6	8
2195	Gut microbiota-derived short chain fatty acids are potential mediators in gut inflammation. <i>Animal Nutrition</i> , 2022, 8, 350-360.	2.1	72
2196	Intestinal "Infant-Type" Bifidobacteria Mediate Immune System Development in the First 1000 Days of Life. <i>Nutrients</i> , 2022, 14, 1498.	1.7	28
2197	Gut microbial metabolome in inflammatory bowel disease: From association to therapeutic perspectives. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 2402-2414.	1.9	30

#	ARTICLE	IF	CITATIONS
2198	Development of a synbiotic that protects against ovariectomy-induced trabecular bone loss. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E344-E354.	1.8	5
2200	Effects of Pathogenic <i>Escherichia coli</i> Infection on the Flora Composition, Function, and Content of Short-Chain Fatty Acids in Calf Feces. <i>Animals</i> , 2022, 12, 959.	1.0	5
2201	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
2202	Sas20 is a highly flexible starch-binding protein in the <i>Ruminococcus bromii</i> cell-surface amylosome. <i>Journal of Biological Chemistry</i> , 2022, 298, 101896.	1.6	11
2203	Gut Microbiome Signatures Are Predictive of Cognitive Impairment in Hypertension Patients—A Cohort Study. <i>Frontiers in Microbiology</i> , 2022, 13, 841614.	1.5	8
2204	Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased human gut microbiota. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112759.	2.5	13
2205	A multi-omics approach to elucidate the mechanisms of action of a dietary muramidase administered to broiler chickens. <i>Scientific Reports</i> , 2022, 12, 5559.	1.6	13
2206	Impact of the Gastrointestinal Tract Microbiota on Cardiovascular Health and Pathophysiology. <i>Journal of Cardiovascular Pharmacology</i> , 2022, Publish Ahead of Print, .	0.8	1
2207	16S rRNA Gene Sequencing Revealed Changes in Gut Microbiota Composition during Pregnancy and Lactation in Mice Model. <i>Veterinary Sciences</i> , 2022, 9, 169.	0.6	3
2208	Optimization and validation of direct gas chromatography-mass spectrometry method for simultaneous quantification of ten short-chain fatty acids in rat feces. <i>Journal of Chromatography A</i> , 2022, 1669, 462958.	1.8	6
2209	Porcine gut microbiota in mediating host metabolic adaptation to cold stress. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 18.	2.9	17
2210	Potential Roles of the Gut Microbiota in Pancreatic Carcinogenesis and Therapeutics. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 872019.	1.8	10
2211	Increase Dietary Fiber Intake Ameliorates Cecal Morphology and Drives Cecal Species-Specific of Short-Chain Fatty Acids in White Pekin Ducks. <i>Frontiers in Microbiology</i> , 2022, 13, 853797.	1.5	11
2212	Investigation of the Ecological Link between Recurrent Microbial Human Gut Communities and Physical Activity. <i>Microbiology Spectrum</i> , 2022, 10, e0042022.	1.2	9
2213	The Compositional Structure of the Small Intestinal Microbial Community via Balloon-Assisted Enteroscopy. <i>Digestion</i> , 2022, 103, 308-318.	1.2	5
2214	Simulated digestion and in vitro fermentation of a polysaccharide from lotus (<i>Nelumbo nucifera</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 17	2.9	17
2215	Gut microbiota-derived metabolites as key actors in type 2 diabetes mellitus. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112839.	2.5	40
2216	Traditional Chinese medicine against COVID-19: Role of the gut microbiota. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112787.	2.5	24

#	ARTICLE	IF	CITATIONS
2217	In vitro fecal fermentation characteristics of bamboo insoluble dietary fiber and its impacts on human gut microbiota. <i>Food Research International</i> , 2022, 156, 111173.	2.9	20
2218	Evening rather than morning increased physical activity alters the microbiota in mice and is associated with increased body temperature and sympathetic nervous system activation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166373.	1.8	7
2219	Influence of modification methods on physicochemical and structural properties of soluble dietary fiber from corn bran. <i>Food Chemistry: X</i> , 2022, 14, 100298.	1.8	22
2220	Pectic polysaccharides: Targeting gut microbiota in obesity and intestinal health. <i>Carbohydrate Polymers</i> , 2022, 287, 119363.	5.1	42
2221	Î±-D-1,6-glucan from <i>Castanea mollissima</i> Blume alleviates dextran sulfate sodium-induced colitis in vivo. <i>Carbohydrate Polymers</i> , 2022, 289, 119410.	5.1	18
2222	Sugarcane polyphenol and fiber to affect production of short-chain fatty acids and microbiota composition using in vitro digestion and pig faecal fermentation model. <i>Food Chemistry</i> , 2022, 385, 132665.	4.2	18
2223	Prebiotic potential of isolated commercial dietary fibres compared to orange albedo in <i>Lactobacillus</i> and <i>Bifidobacterium</i> species. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2022, 28, 100316.	1.5	7
2224	The Gut-Liver Axis in Health and Disease: The Role of Gut Microbiota-Derived Signals in Liver Injury and Regeneration. <i>Frontiers in Immunology</i> , 2021, 12, 775526.	2.2	53
2225	Reducing Disease Activity of Inflammatory Bowel Disease by Consumption of Plant-Based Foods and Nutrients. <i>Frontiers in Nutrition</i> , 2021, 8, 733433.	1.6	19
2226	Fiber mixture-specific effect on distal colonic fermentation and metabolic health in lean but not in prediabetic men. <i>Gut Microbes</i> , 2022, 14, 2009297.	4.3	15
2227	Toward Elucidating the Human Gut Microbiotaâ€‘Brain Axis: Molecules, Biochemistry, and Implications for Health and Diseases. <i>Biochemistry</i> , 2022, 61, 2806-2821.	1.2	6
2228	Linking anaerobic gut bacteria and cardiovascular disease. <i>Nature Microbiology</i> , 2022, 7, 14-15.	5.9	3
2229	Lipid-Induced Adaptations of the Pancreatic Beta-Cell to Glucotoxic Conditions Sustain Insulin Secretion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 324.	1.8	9
2230	Should high-fiber diets be recommended for patients with inflammatory bowel disease?. <i>Current Opinion in Gastroenterology</i> , 2022, 38, 168-172.	1.0	6
2231	Pharmacomicrobiology of Methotrexate in Rheumatoid Arthritis: Gut Microbiome as Predictor of Therapeutic Response. <i>Frontiers in Immunology</i> , 2021, 12, 789334.	2.2	23
2232	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
2233	Characterization of External Mucosal Microbiomes of Nile Tilapia and Grey Mullet Co-cultured in Semi-Intensive Pond Systems. <i>Frontiers in Microbiology</i> , 2021, 12, 773860.	1.5	9
2234	Role of gut microbiota in the pathogenesis of type 2 diabetes mellitus (literature review). <i>Medicni Perspektivi</i> , 2021, 26, 22-30.	0.1	0

#	ARTICLE	IF	CITATIONS
2235	Probiotic effect of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> RPG-HL-0136 on intestinal mucosal immunity in mice. <i>Applied Biological Chemistry</i> , 2021, 64, .	0.7	7
2236	Syntrophic propionate-oxidizing bacteria in methanogenic systems. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	35
2237	Association of the gut microbiota and fecal short-chain fatty acids with skeletal muscle mass and strength in children. <i>FASEB Journal</i> , 2022, 36, e22109.	0.2	7
2238	Alteration of the gut microbiota following SARS-CoV-2 infection correlates with disease severity in hamsters. <i>Gut Microbes</i> , 2022, 14, 2018900.	4.3	47
2239	The Dietary Intake of Carrot-Derived Rhamnogalacturonan-I Accelerates and Augments the Innate Immune and Anti-Viral Interferon Response to Rhinovirus Infection and Reduces Duration and Severity of Symptoms in Humans in a Randomized Trial. <i>Nutrients</i> , 2021, 13, 4395.	1.7	6
2240	Molecular Immune Mechanism of Intestinal Microbiota and Their Metabolites in the Occurrence and Development of Liver Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702414.	1.8	13
2241	Divergence together with microbes: A comparative study of the associated microbiomes in the closely related <i>Littorina</i> species. <i>PLoS ONE</i> , 2021, 16, e0260792.	1.1	7
2242	Gut Mycobiota Dysbiosis in Pulmonary Tuberculosis Patients Undergoing Anti-Tuberculosis Treatment. <i>Microbiology Spectrum</i> , 2021, 9, e0061521.	1.2	7
2243	Mechanism of the Gut Microbiota Colonization Resistance and Enteric Pathogen Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 716299.	1.8	79
2245	The Edible Plant Microbiome represents a diverse genetic reservoir with functional potential in the human host. <i>Scientific Reports</i> , 2021, 11, 24017.	1.6	14
2246	Oral and Gut Microbial Carbohydrate-Active Enzymes Landscape in Health and Disease. <i>Frontiers in Microbiology</i> , 2021, 12, 653448.	1.5	11
2247	The Communication Between Intestinal Microbiota and Ulcerative Colitis: An Exploration of Pathogenesis, Animal Models, and Potential Therapeutic Strategies. <i>Frontiers in Medicine</i> , 2021, 8, 766126.	1.2	11
2248	Revealing microbial species diversity using sequence capture by hybridization. <i>Microbial Genomics</i> , 2021, 7, .	1.0	1
2249	Administration of Dietary Microalgae Ameliorates Intestinal Parameters, Improves Body Weight, and Reduces Thawing Loss of Fillets in Broiler Chickens: A Pilot Study. <i>Animals</i> , 2021, 11, 3601.	1.0	7
2250	Nutrient Intake and Gut Microbial Genera Changes after a 4-Week Placebo Controlled Galacto-Oligosaccharides Intervention in Young Females. <i>Nutrients</i> , 2021, 13, 4384.	1.7	2
2251	Role of fatty acids in inflammation, atherosclerosis, metabolic disorders and gout. <i>Sovremennaya Revmatologiya</i> , 2021, 15, 124-129.	0.1	0
2252	Anticolonization of Carbapenem-Resistant <i>Klebsiella pneumoniae</i> by <i>Lactobacillus plantarum</i> LP1812 Through Accumulated Acetic Acid in Mice Intestinal. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 804253.	1.8	6
2253	Rice with Multilayer Aleurone: A Larger Sink for Multiple Micronutrients. <i>Rice</i> , 2021, 14, 102.	1.7	6

#	ARTICLE	IF	CITATIONS
2254	Yeast Î²-Glucan Altered Intestinal Microbiome and Metabolome in Older Hens. <i>Frontiers in Microbiology</i> , 2021, 12, 766878.	1.5	10
2255	<i>Lactobacillus lactis</i> and <i>Pediococcus pentosaceus</i> -driven reprogramming of gut microbiome and metabolome ameliorates the progression of non-alcoholic fatty liver disease. <i>Clinical and Translational Medicine</i> , 2021, 11, e634.	1.7	56
2256	Dietary Resistant Starch From Potato Regulates Bone Mass by Modulating Gut Microbiota and Concomitant Short-Chain Fatty Acids Production in Meat Ducks. <i>Frontiers in Nutrition</i> , 2022, 9, 860086.	1.6	5
2257	Co-interventions with <i>Clostridium butyricum</i> and soluble dietary fiber targeting the gut microbiota improve MAFLD via the Acyl/Nrf2/NF-Î² signaling pathway. <i>Food and Function</i> , 2022, 13, 5807-5819.	2.1	7
2258	Phytochemicals in traditional Chinese medicine can treat gout by regulating intestinal flora through inactivating NLRP3 and inhibiting XOD activity. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 919-929.	1.2	9
2259	Interactions of Non-Nutritive Artificial Sweeteners with the Microbiome in Metabolic Syndrome. <i>Immunometabolism</i> , 2022, 4, .	0.7	6
2260	Enhancing Metabolic Efficiency through Optimizing Metabolizable Protein Profile in a Time Progressive Manner with Weaned Goats as a Model: Involvement of Gut Microbiota. <i>Microbiology Spectrum</i> , 2022, 10, e0254521.	1.2	5
2261	Agavin induces beneficial microbes in the shrimp microbiota under farming conditions. <i>Scientific Reports</i> , 2022, 12, 6392.	1.6	9
2262	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
2263	<i>Lactobacillus plantarum</i> strains attenuated DSS-induced colitis in mice by modulating the gut microbiota and immune response. <i>International Microbiology</i> , 2022, 25, 587-603.	1.1	15
2264	The Relationship Among Intestinal Bacteria, Vitamin K and Response of Vitamin K Antagonist: A Review of Evidence and Potential Mechanism. <i>Frontiers in Medicine</i> , 2022, 9, 829304.	1.2	7
2265	Xuedan Sustained Release Pellets Ameliorate Dextran Sulfate Sodium-Induced Ulcerative Colitis in Rats by Targeting Gut Microbiota and MAPK Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	1
2266	Oncometabolites drive tumorigenesis by enhancing protein acylation: from chromosomal remodelling to nonhistone modification. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 144.	3.5	25
2267	Relandscaping the Gut Microbiota with a Whole Food: Dose-Response Effects to Common Bean. <i>Foods</i> , 2022, 11, 1153.	1.9	9
2268	<i>Limosilactobacillus fermentum</i> prevents gut-kidney oxidative damage and the rise in blood pressure in male rat offspring exposed to a maternal high-fat diet. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 719-726.	0.7	9
2269	Soluble fibre concentration effects during in vitro fermentation: Higher concentration leads to increased butyrate proportion. <i>Food Hydrocolloids</i> , 2022, 130, 107728.	5.6	1
2270	The Impact of Intestinal Microorganisms and Their Metabolites on Type 1 Diabetes Mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2022, Volume 15, 1123-1139.	1.1	5
2271	A feedback loop engaging propionate catabolism intermediates controls mitochondrial morphology. <i>Nature Cell Biology</i> , 2022, 24, 526-537.	4.6	13

#	ARTICLE	IF	CITATIONS
2272	Mediterranean Diet Patterns in Relation to Lung Cancer Risk: A Meta-Analysis. <i>Frontiers in Nutrition</i> , 2022, 9, 844382.	1.6	5
2273	Heterophil/Lymphocyte Ratio Level Modulates Salmonella Resistance, Cecal Microbiota Composition and Functional Capacity in Infected Chicken. <i>Frontiers in Immunology</i> , 2022, 13, 816689.	2.2	13
2274	Hypertension and the Role of Dietary Fiber. <i>Current Problems in Cardiology</i> , 2022, 47, 101203.	1.1	12
2275	A multi-omics machine learning framework in predicting the survival of colorectal cancer patients. <i>Computers in Biology and Medicine</i> , 2022, 146, 105516.	3.9	34
2276	The critical role of short-chain fatty acids in health and disease: A subtle focus on cardiovascular disease-NLRP3 inflammasome-angiogenesis axis. <i>Clinical Immunology</i> , 2022, 238, 109013.	1.4	16
2277	Fractionation, preliminary structural characterization and prebiotic activity of polysaccharide from the thin stillage of distilled alcoholic beverage. <i>Process Biochemistry</i> , 2022, 118, 52-64.	1.8	5
2420	Shotgun metagenomic sequencing revealed the prebiotic potential of a grain-based diet in mice. <i>Scientific Reports</i> , 2022, 12, 6748.	1.6	2
2421	Monitoring of inflammation using novel biosensor mouse model reveals tissue- and sex-specific responses to Western diet. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	2
2423	In vitro digestive characteristics and microbial degradation of polysaccharides from lotus leaves and related effects on the modulation of intestinal microbiota. <i>Current Research in Food Science</i> , 2022, 5, 752-762.	2.7	16
2425	Diet, inflammation, and cardiovascular disease. , 2022, , 367-472.		2
2426	Communication between the gut microbiota and peripheral nervous system in health and chronic disease. <i>Gut Microbes</i> , 2022, 14, 2068365.	4.3	17
2427	Glycomacropptide Safety and Its Effect on Gut Microbiota in Patients with Phenylketonuria: A Pilot Study. <i>Nutrients</i> , 2022, 14, 1883.	1.7	18
2428	Short-Chain Fatty Acids Ameliorate Depressive-like Behaviors of High Fructose-Fed Mice by Rescuing Hippocampal Neurogenesis Decline and Bloodâ€“Brain Barrier Damage. <i>Nutrients</i> , 2022, 14, 1882.	1.7	24
2429	In Vitro Fermentability of Soybean Oligosaccharides from Wastewater of Tofu Production. <i>Polymers</i> , 2022, 14, 1704.	2.0	7
2430	Diet digestibility and palatability and intestinal fermentative products in dogs fed yeast extract. <i>Italian Journal of Animal Science</i> , 2022, 21, 802-810.	0.8	6
2431	Exploration of the Molecular Mechanisms Underlying the Anti-Photoaging Effect of <i>Limosilactobacillus fermentum</i> XJC60. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 838060.	1.8	9
2432	Metformin Mitigates Sepsis-Related Neuroinflammation via Modulating Gut Microbiota and Metabolites. <i>Frontiers in Immunology</i> , 2022, 13, 797312.	2.2	14
2433	Regulation of gut microbiota and intestinal metabolites by <i>Poria cocos</i> oligosaccharides improves glycolipid metabolism disturbance in high-fat diet-fed mice. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109019.	1.9	15

#	ARTICLE	IF	CITATIONS
2434	Effective Regulation of Gut Microbiota With Probiotics and Prebiotics May Prevent or Alleviate COVID-19 Through the Gut-Lung Axis. <i>Frontiers in Pharmacology</i> , 2022, 13, 895193.	1.6	10
2435	Evaluation of the Effects of a Short Supplementation With Tannins on the Gut Microbiota of Healthy Subjects. <i>Frontiers in Microbiology</i> , 2022, 13, 848611.	1.5	10
2436	Transcriptome and iTRAQ-Based Proteome Reveal the Molecular Mechanism of Intestinal Injury Induced by Weaning Ewe's Milk in Lambs. <i>Frontiers in Veterinary Science</i> , 2022, 9, 809188.	0.9	2
2437	Diet Type Impacts Production Performance of Fattening Lambs by Manipulating the Ruminal Microbiota and Metabolome. <i>Frontiers in Microbiology</i> , 2022, 13, 824001.	1.5	7
2438	Gut Microbiota Mediates the Protective Effects of Traditional Chinese Medicine Formula Qiong-Yu-Gao against Cisplatin-Induced Acute Kidney Injury. <i>Microbiology Spectrum</i> , 2022, 10, e0075922.	1.2	18
2439	Gancao Xiexin Decoction Ameliorates Ulcerative Colitis in Mice via Modulating Gut Microbiota and Metabolites. <i>Drug Design, Development and Therapy</i> , 0, Volume 16, 1383-1405.	2.0	5
2440	From Tumor Cells to Endothelium and Gut Microbiome: A Complex Interaction Favoring the Metastasis Cascade. <i>Frontiers in Oncology</i> , 2022, 12, .	1.3	0
2441	Short-Chain Fatty Acids in Chronic Kidney Disease: Focus on Inflammation and Oxidative Stress Regulation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5354.	1.8	30
2442	Intestinal Microbiota-Derived Short Chain Fatty Acids in Host Health and Disease. <i>Nutrients</i> , 2022, 14, 1977.	1.7	65
2444	Gut Microbiota Mediates the Therapeutic Effect of Monoclonal Anti-TLR4 Antibody on Acetaminophen-Induced Acute Liver Injury in Mice. <i>Microbiology Spectrum</i> , 2022, , e0064722.	1.2	4
2445	Fuzhuan brick tea polysaccharides serve as a promising candidate for remodeling the gut microbiota from colitis subjects in vitro: Fermentation characteristic and anti-inflammatory activity. <i>Food Chemistry</i> , 2022, 391, 133203.	4.2	18
2446	Associations of Blautia Genus With Early-Life Events and Later Phenotype in the NutriHS. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	6
2447	Rifaximin and lubiprostone mitigate liver fibrosis development by repairing gut barrier function in diet-induced rat steatohepatitis. <i>Digestive and Liver Disease</i> , 2022, 54, 1392-1402.	0.4	7
2448	A neural network-based framework to understand the type 2 diabetes-related alteration of the human gut microbiome. , 2022, 1, .		5
2449	Î2-1,6-Glucan From Pleurotus eryngii Modulates the Immunity and Gut Microbiota. <i>Frontiers in Immunology</i> , 2022, 13, 859923.	2.2	12
2450	Dosing a synbiotic of human milk oligosaccharides and B.Âinfantis leads to reversible engraftment in healthy adult microbiomes without antibiotics. <i>Cell Host and Microbe</i> , 2022, 30, 712-725.e7.	5.1	32
2451	Recent Trends of Microbiota-Based Microbial Metabolites Metabolism in Liver Disease. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	13
2452	Alterations in gut microbiota affect behavioral and inflammatory responses to methamphetamine in mice. <i>Psychopharmacology</i> , 2022, 239, 1-16.	1.5	7

#	ARTICLE	IF	CITATIONS
2453	Exploring the Causal Effect of Constipation on Parkinson's Disease Through Mediation Analysis of Microbial Data. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	10
2454	A randomized controlled trial for response of microbiome network to exercise and diet intervention in patients with nonalcoholic fatty liver disease. <i>Nature Communications</i> , 2022, 13, 2555.	5.8	40
2455	Structural characterization and in vitro evaluation of the prebiotic potential of an exopolysaccharide produced by <i>Bacillus thuringiensis</i> during fermentation. <i>LWT - Food Science and Technology</i> , 2022, 163, 113532.	2.5	5
2456	Baicalin attenuate diet-induced metabolic syndrome by improving abnormal metabolism and gut microbiota. <i>European Journal of Pharmacology</i> , 2022, 925, 174996.	1.7	9
2457	Effects of prebiotic supplementation on the concentration of short-chain fatty acids in the ceca of broiler chickens: A meta-analysis of controlled trials. <i>Animal Feed Science and Technology</i> , 2022, 288, 115296.	1.1	0
2458	Regulation of the intestinal flora: A potential mechanism of natural medicines in the treatment of type 2 diabetes mellitus. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113091.	2.5	11
2459	Investigating the pro-cognitive and anti-depressant efficacy of metformin: A systematic review and meta-analysis of randomised controlled trials. <i>Journal of Affective Disorders</i> , 2022, 310, 52-59.	2.0	10
2460	Fecal microbiota transplantation is associated with improved aspects of mental health of patients with recurrent <i>Clostridioides difficile</i> infections. <i>Journal of Affective Disorders Reports</i> , 2022, 9, 100355.	0.9	3
2461	Starch acylation of different short-chain fatty acids and its corresponding influence on gut microbiome and diabetic indexes. <i>Food Chemistry</i> , 2022, 389, 133089.	4.2	15
2462	Anti-obesity effects of <i>Laminaria japonica</i> fucoidan in high-fat diet-fed mice vary with the gut microbiota structure. <i>Food and Function</i> , 2022, 13, 6259-6270.	2.1	9
2463	è,,-è,è½'âœ'ç¼/4°è;€æ€\$è,, 'â:ââšâ...¶â¹¶â'ç-†â,çš,,æœ°â^¶æžçç'çă,žâ°"ç"…â±•æœ». <i>Scientia Sinica Vitae</i> , 2022, , .	0.1	0
2464	Gut Microbiota of Obese Children Influences Inflammatory Mucosal Immune Pathways in the Respiratory Tract to Influenza Virus Infection: Optimization of an Ideal Duration of Microbial Colonization in a Gnotobiotic Pig Model. <i>Microbiology Spectrum</i> , 2022, 10, e0267421.	1.2	3
2465	Gut Microbes in Immunoglobulin A Nephropathy and Their Potential Therapeutic Applications. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	3
2466	Polydatin, A Glycoside of Resveratrol, Is Better Than Resveratrol in Alleviating Non-alcoholic Fatty Liver Disease in Mice Fed a High-Fructose Diet. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	12
2467	<i>Saccharomyces cerevisiae</i> I4 Showed Alleviating Effects on Dextran Sulfate Sodium-Induced Colitis of Balb/c Mice. <i>Foods</i> , 2022, 11, 1436.	1.9	5
2468	The Therapeutic Effect of SCFA-Mediated Regulation of the Intestinal Environment on Obesity. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	24
2469	The gut microbiota: stable bioreactor of variable composition?. <i>Trends in Endocrinology and Metabolism</i> , 2022, 33, 443-446.	3.1	4
2470	De- â€œbugâ€™ing the microbiome in lung cancer. <i>Cancer and Metastasis Reviews</i> , 2022, 41, 335-346.	2.7	4

#	ARTICLE	IF	CITATIONS
2471	Molecular Mechanism of Polysaccharides Extracted from Chinese Medicine Targeting Gut Microbiota for Promoting Health. Chinese Journal of Integrative Medicine, 2024, 30, 171-180.	0.7	2
2472	Long-term modification of gut microbiota by broad-spectrum antibiotics improves stroke outcome in rats. Stroke and Vascular Neurology, 2022, 7, 381-389.	1.5	7
2474	<i>Clostridium butyricum</i> , a butyrate-producing potential probiotic, alleviates experimental colitis through epidermal growth factor receptor activation. Food and Function, 2022, 13, 7046-7061.	2.1	14
2475	Intestinal Flora: A Potential New Regulator of Cardiovascular Disease. , 2022, 13, 753.		6
2476	Precision Nutrition for Type 2 Diabetes. , 2022, , 233-249.		1
2477	Pectin with various degrees of esterification differentially alters gut microbiota and metabolome of healthy adults. EFood, 2022, 3, .	1.7	10
2478	Short-chain fatty acids, acetate and propionate, directly upregulate osteoblastic differentiation. International Journal of Food Sciences and Nutrition, 0, , 1-9.	1.3	5
2479	Review article: the future of microbiome-based therapeutics. Alimentary Pharmacology and Therapeutics, 2022, 56, 192-208.	1.9	21
2480	Differences in the gut microbiome and reduced fecal butyrate in elders with low skeletal muscle mass. Clinical Nutrition, 2022, 41, 1491-1500.	2.3	23
2481	Interaction Between Altered Gut Microbiota and Sepsis: A Hypothesis or an Authentic Fact?. Journal of Intensive Care Medicine, 2023, 38, 121-131.	1.3	6
2482	Dietary Succinate Impacts the Nutritional Metabolism, Protein Succinylation and Gut Microbiota of Zebrafish. Frontiers in Nutrition, 2022, 9, .	1.6	3
2483	<i>Akkermansia muciniphila</i> Ameliorates <i>Clostridioides difficile</i> Infection in Mice by Modulating the Intestinal Microbiome and Metabolites. Frontiers in Microbiology, 2022, 13, .	1.5	15
2484	Amelioratory Effect of Resistant Starch on Non-alcoholic Fatty Liver Disease via the Gut-Liver Axis. Frontiers in Nutrition, 2022, 9, .	1.6	8
2485	Structural complexity of Konjac glucomannan and its derivatives governs the diversity and outputs of gut microbiota. Carbohydrate Polymers, 2022, 292, 119639.	5.1	14
2486	Maternal Fiber Deprivation Alters Microbiota in Offspring Resulting in Low Grade Inflammation and Predisposition to Obesity. SSRN Electronic Journal, 0, , .	0.4	0
2487	Glycerol butyrate attenuates enterotoxigenic <i>Escherichia coli</i> -induced intestinal inflammation in piglets by inhibiting the NF- κ B/MAPK pathways and modulating the gut microbiota. Food and Function, 2022, 13, 6282-6292.	2.1	7
2489	The role of NADPH oxidase 1 in alcohol-induced oxidative stress injury of intestinal epithelial cells. Cell Biology and Toxicology, 2023, 39, 2345-2364.	2.4	5
2490	Climate-Changed Wheat: The Effect of Smaller Kernels on the Nutritional Value of Wheat. Sustainability, 2022, 14, 6546.	1.6	0

#	ARTICLE	IF	CITATIONS
2491	The Short-Day Cycle Induces Intestinal Epithelial Purine Metabolism Imbalance and Hepatic Disfunctions in Antibiotic-Mediated Gut Microbiota Perturbation Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6008.	1.8	3
2492	Gut-Brain Communication in Parkinson's Disease: Enteroendocrine Regulation by GLP-1. <i>Current Neurology and Neuroscience Reports</i> , 2022, 22, 335-342.	2.0	9
2493	Prebiotics and the Human Gut Microbiota: From Breakdown Mechanisms to the Impact on Metabolic Health. <i>Nutrients</i> , 2022, 14, 2096.	1.7	25
2494	Gut Dysbiosis Has the Potential to Reduce the Sexual Attractiveness of Mouse Female. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	2
2495	Vitamin D Receptor-Dependent Protective Effect of Moderate Hypoxia in a Mouse Colitis Model. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	2
2496	Dietary Aronia melanocarpa Pomace Supplementation Enhances the Expression of ZO-1 and Occludin and Promotes Intestinal Development in Pigs. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	6
2497	Gut Microbiota of Individuals Could Be Balanced by a 14-Day Supplementation With Laminaria japonica and Differed in Metabolizing Alginate and Galactofucan. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	3
2498	Citrus Peel Flavonoid Extracts: Health-Beneficial Bioactivities and Regulation of Intestinal Microecology in vitro. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	11
2499	The Beneficial Role of Probiotic Lactobacillus in Respiratory Diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	29
2500	Altered Gut Microbiota and Short-Chain Fatty Acids After Vonoprazan-Amoxicillin Dual Therapy for Helicobacter pylori Eradication. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	13
2501	Microbial Dysbiosis Tunes the Immune Response Towards Allergic Disease Outcomes. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 65, 43-71.	2.9	14
2502	Functional Comparison of Clostridium butyricum and Sodium Butyrate Supplementation on Growth, Intestinal Health, and the Anti-inflammatory Response of Broilers. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	8
2503	Environmental factors influence yak milk composition by modulating short-chain fatty acid metabolism in intestinal microorganisms. <i>LWT - Food Science and Technology</i> , 2022, 163, 113608.	2.5	3
2504	Intestinal Flora Mediates Antiobesity Effect of Rutin in High-Fat Diet Mice. <i>Molecular Nutrition and Food Research</i> , 2022, 66, .	1.5	14
2505	Manipulating Microbiota to Treat Atopic Dermatitis: Functions and Therapies. <i>Pathogens</i> , 2022, 11, 642.	1.2	22
2506	Oral short-chain fatty acids administration regulates innate anxiety in adult microbiome-depleted mice. <i>Neuropharmacology</i> , 2022, 214, 109140.	2.0	10
2507	Alteration of fecal microbiome and metabolome by mung bean coat improves diet-induced non-alcoholic fatty liver disease in mice. <i>Food Science and Human Wellness</i> , 2022, 11, 1259-1272.	2.2	15
2508	Bacteroides utilization for dietary polysaccharides and their beneficial effects on gut health. <i>Food Science and Human Wellness</i> , 2022, 11, 1101-1110.	2.2	57

#	ARTICLE	IF	CITATIONS
2509	Astragalus mongholicus polysaccharides ameliorate hepatic lipid accumulation and inflammation as well as modulate gut microbiota in NAFLD rats. <i>Food and Function</i> , 2022, 13, 7287-7301.	2.1	35
2511	In Vitro Hepatoprotective and Human Gut Microbiota Modulation of Polysaccharide-Peptides in <i>Pleurotus citrinopileatus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	7
2512	Central and peripheral regulations mediated by short-chain fatty acids on energy homeostasis. <i>Translational Research</i> , 2022, 248, 128-150.	2.2	22
2513	Intestinal Microbiota Participates in the Protective Effect of HO-1/BMMSCs on Liver Transplantation With Steatotic Liver Grafts in Rats. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
2514	Effects of Dietary Fiber Type on Growth Performance, Serum Parameters and Fecal Microbiota Composition in Weaned and Growing-Finishing Pigs. <i>Animals</i> , 2022, 12, 1579.	1.0	0
2515	The intestinal immune system and gut barrier function in obesity and ageing. <i>FEBS Journal</i> , 2023, 290, 4163-4186.	2.2	12
2516	Edible plant by-products as source of polyphenols: prebiotic effect and analytical methods. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 10814-10835.	5.4	7
2517	Manipulation of Gut Microbiota as a Key Target for Crohn's Disease. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	13
2518	Gut Microbiota Dysbiosis in Childhood Vasculitis: A Perspective Comparative Pilot Study. <i>Journal of Personalized Medicine</i> , 2022, 12, 973.	1.1	1
2519	Wild and Captive Environments Drive the Convergence of Gut Microbiota and Impact Health in Threatened Equids. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
2520	Metabolomics: The Key to Unraveling the Role of the Microbiome in Visceral Pain Neurotransmission. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	3
2521	An Improved Method to Quantify Short-Chain Fatty Acids in Biological Samples Using Gas Chromatography-Mass Spectrometry. <i>Metabolites</i> , 2022, 12, 525.	1.3	8
2522	Properties of butyrylated lotus seed starch with butyryl groups at different carbon positions. <i>Carbohydrate Polymers</i> , 2022, 294, 119766.	5.1	9
2523	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
2524	Fecal fermentation characteristics of <i>Rheum tanguticum</i> polysaccharide and its effect on the modulation of gut microbial composition. <i>Chinese Medicine</i> , 2022, 17, .	1.6	6
2526	Propionate stimulates the secretion of satiety hormones and reduces acute appetite in a cecal fistula pig model. <i>Animal Nutrition</i> , 2022, 10, 390-398.	2.1	7
2527	Functional Characterization of <i>Clostridium tyrobutyricum</i> L319: A Promising Next-Generation Probiotic for Short-Chain Fatty Acid Production. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
2528	Gut microbiota in obesity and related comorbidities in children and adolescents: the role of biotics in treatment. <i>Minerva Pediatrics</i> , 0, , .	0.2	3

#	ARTICLE	IF	CITATIONS
2529	Could Alterations in the Infant Gut Microbiota Explain the Development of Noncommunicable Diseases from the DOHaD Perspective?. , 0, , .		1
2530	Effects of Dietary Fibers on Short-Chain Fatty Acids and Gut Microbiota Composition in Healthy Adults: A Systematic Review. <i>Nutrients</i> , 2022, 14, 2559.	1.7	31
2531	Characteristics of Gut Microbiome and Its Metabolites, Short-Chain Fatty Acids, in Children With Idiopathic Short Stature. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	6
2532	Safety and efficacy of fecal microbiota transplantation for treatment of systemic lupus erythematosus: An EXPLORER trial. <i>Journal of Autoimmunity</i> , 2022, 130, 102844.	3.0	52
2533	Effects of Dietary Nutrients on Fatty Liver Disease Associated With Metabolic Dysfunction (MAFLD): Based on the Intestinal-Hepatic Axis. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	9
2534	The Difference of Gut Microbiota and Their Correlations With Urinary Organic Acids Between Autistic Children With and Without Atopic Dermatitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	4
2535	NAD ⁺ and its possible role in gut microbiota: Insights on the mechanisms by which gut microbes influence host metabolism. <i>Animal Nutrition</i> , 2022, 10, 360-371.	2.1	10
2536	Human 2D Crypt Model for Assaying Intestinal Stem Cell Proliferation and Differentiation. <i>Analytical Chemistry</i> , 2022, 94, 9345-9354.	3.2	6
2537	Preliminary Evaluation of Potential Properties of Three Probiotics and Their Combination with Prebiotics on GLP-1 Secretion and Type 2 Diabetes Alleviation. <i>Journal of Food Quality</i> , 2022, 2022, 1-9.	1.4	3
2538	Pathophysiology of Diverticular Disease: From Diverticula Formation to Symptom Generation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6698.	1.8	15
2539	Targeting the Gut Microbiome for Inflammation and Pain Management in Orthopedic Conditions. <i>Orthopedics</i> , 2022, 45, .	0.5	1
2540	Dietary Tryptophan-Mediated Aryl Hydrocarbon Receptor Activation by the Gut Microbiota Alleviates <i>Escherichia coli</i> -Induced Endometritis in Mice. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	18
2541	<i>Lactobacillus reuteri</i> reduces obesity by alleviating gut microbiota dysbiosis and modulating lipid and energy metabolism. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 7039-7051.	1.7	6
2542	Gut microbiota signatures of long-term and short-term plant-based dietary pattern and cardiometabolic health: a prospective cohort study. <i>BMC Medicine</i> , 2022, 20, .	2.3	19
2543	Effect of Caging on <i>Cryptosporidium parvum</i> Proliferation in Mice. <i>Microorganisms</i> , 2022, 10, 1242.	1.6	1
2544	Can probiotics and prebiotics contribute to healthy ageing?. <i>Nutrition and Healthy Aging</i> , 2022, , 1-7.	0.5	0
2545	Lower systemic inflammation is associated with gut firmicutes dominance and reduced liver injury in a novel ambulatory model of parenteral nutrition. <i>Annals of Medicine</i> , 2022, 54, 1701-1713.	1.5	8
2546	Potential Mechanisms by Which Hydroxyeicosapentaenoic Acids Regulate Glucose Homeostasis in Obesity. <i>Advances in Nutrition</i> , 2022, 13, 2316-2328.	2.9	4

#	ARTICLE	IF	CITATIONS
2547	Dietary fiber ameliorates lead-induced gut microbiota disturbance and alleviates neuroinflammation. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 6795-6803.	1.7	7
2548	Phenotyping of Fecal Microbiota of Winnie, a Rodent Model of Spontaneous Chronic Colitis, Reveals Specific Metabolic, Genotoxic, and Pro-inflammatory Properties. <i>Inflammation</i> , 2022, 45, 2477-2497.	1.7	1
2549	Vegetarianism, microbiota, and cardiovascular health: looking back, and forward. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1895-1910.	0.8	11
2550	Gut microbiota is associated with dietary intake and metabolic markers in healthy individuals. <i>Food and Nutrition Research</i> , 0, 66, .	1.2	8
2551	Fermented Soy and Fish Protein Dietary Sources Shape Ileal and Colonic Microbiota, Improving Nutrient Digestibility and Host Health in a Piglet Model. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	6
2552	Tributylin administration improves intestinal development and health in pre-weaned dairy calves fed milk replacer. <i>Animal Nutrition</i> , 2022, 10, 399-411.	2.1	13
2553	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
2554	Extraction, purification, structural characterization, and gut microbiota relationship of polysaccharides: A review. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 967-986.	3.6	33
2555	Healthy dietary choices are associated with higher serum propionate and PGC1 α expression in peripheral blood mononuclear cells in adult humans. <i>Obesity Medicine</i> , 2022, 33, 100432.	0.5	1
2556	Comfrey polysaccharides modulate the gut microbiota and its metabolites SCFAs and affect the production performance of laying hens. <i>International Journal of Biological Macromolecules</i> , 2022, 215, 45-56.	3.6	14
2557	Lactobacillus casei-fermented blueberry pomace ameliorates colonic barrier function in high fat diet mice through MAPK-NF- κ B-MLCK signaling pathway. <i>Journal of Functional Foods</i> , 2022, 95, 105139.	1.6	7
2558	Diet-gut microbiota-epigenetics in metabolic diseases: From mechanisms to therapeutics. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113290.	2.5	46
2559	The anti-diabetic activity of polyphenols-rich vinegar extract in mice via regulating gut microbiota and liver inflammation. <i>Food Chemistry</i> , 2022, 393, 133443.	4.2	15
2560	Interactions between the gut microbiome and ketogenic diet in refractory epilepsy. <i>International Review of Neurobiology</i> , 2022, , 217-249.	0.9	9
2561	Commensal microbe-derived SCFA alleviates atrial fibrillation via GPR43/NLRP3 signaling. <i>International Journal of Biological Sciences</i> , 2022, 18, 4219-4232.	2.6	26
2562	Transcriptomic landscape of sodium butyrate-induced growth inhibition of human colorectal cancer organoids. <i>Molecular Omics</i> , 0, , .	1.4	2
2563	Growth and Gastrointestinal Tolerance in Healthy Term Infants Fed Milk-Based Infant Formula Supplemented with Five Human Milk Oligosaccharides (HMOs): A Randomized Multicenter Trial. <i>Nutrients</i> , 2022, 14, 2625.	1.7	19
2564	An Infancy-Onset 20-Year Dietary Counselling Intervention and Gut Microbiota Composition in Adulthood. <i>Nutrients</i> , 2022, 14, 2667.	1.7	2

#	ARTICLE	IF	CITATIONS
2565	Gut Bless Your Pain—Roles of the Gut Microbiota, Sleep, and Melatonin in Chronic Orofacial Pain and Depression. <i>Biomedicines</i> , 2022, 10, 1528.	1.4	10
2567	Potential Application of Living Microorganisms in the Detoxification of Heavy Metals. <i>Foods</i> , 2022, 11, 1905.	1.9	11
2568	Dietary Fiber Intake and Chronic Diseases Outcome During Pregnancy. , 0, 2, 37-45.		0
2569	Mitochondrial Function and Microbial Metabolites as Central Regulators of Intestinal Immune Responses and Cancer. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
2570	Prolonged Isolated Soluble Dietary Fibre Supplementation in Overweight and Obese Patients: A Systematic Review with Meta-Analysis of Randomised Controlled Trials. <i>Nutrients</i> , 2022, 14, 2627.	1.7	8
2571	The immunology of Parkinson's disease. <i>Seminars in Immunopathology</i> , 2022, 44, 659-672.	2.8	30
2572	Effects of Fermented Milk Containing <i>Bifidobacterium animalis</i> Subsp. <i>lactis</i> MN-Gup (MN-Gup) and MN-Gup-Based Synbiotics on Obesity Induced by High Fat Diet in Rats. <i>Nutrients</i> , 2022, 14, 2631.	1.7	2
2573	Therapeutic Benefits and Dietary Restrictions of Fiber Intake: A State of the Art Review. <i>Nutrients</i> , 2022, 14, 2641.	1.7	54
2574	Alteration of Skin Microbiome in CKD Patients Is Associated With Pruritus and Renal Function. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	1
2575	<i>In vitro</i> colonic fermentation characteristics of barley-koji differ from those of barley. <i>Bioscience, Biotechnology and Biochemistry</i> , 0, , .	0.6	0
2576	Fu Brick Tea Manages HFD/STZ-Induced Type 2 Diabetes by Regulating the Gut Microbiota and Activating the IRS1/PI3K/Akt Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8274-8287.	2.4	22
2577	Orthopedic Surgery Causes Gut Microbiome Dysbiosis and Intestinal Barrier Dysfunction in Prodromal Alzheimer Disease Patients. <i>Annals of Surgery</i> , 2022, 276, 270-280.	2.1	11
2578	The Role of Gut Microbiota in the Skeletal Muscle Development and Fat Deposition in Pigs. <i>Antibiotics</i> , 2022, 11, 793.	1.5	7
2579	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
2580	Essential Factors for a Healthy Microbiome: A Scoping Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8361.	1.2	4
2581	The Dietary Inflammatory Index and Early COPD: Results from the National Health and Nutrition Examination Survey. <i>Nutrients</i> , 2022, 14, 2841.	1.7	12
2582	Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	9
2583	Effect of chicory-derived inulin-type fructans on abundance of <i>Bifidobacterium</i> and on bowel function: a systematic review with meta-analyses. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 12018-12035.	5.4	7

#	ARTICLE	IF	CITATIONS
2584	Role of dietary fiber in promoting immune healthâ€”An <scp>EAACI</scp> position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 3185-3198.	2.7	48
2585	Short-Chain Fatty Acids in the Metabolism of Heart Failure â€” Rethinking the Fat Stigma. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	18
2586	Trimethylamine N-Oxide Reduces the Susceptibility of <i>Escherichia coli</i> to Multiple Antibiotics. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
2587	Polysaccharide, the Active Component of <i>Dendrobium officinale</i> , Ameliorates Metabolic Hypertension in Rats via Regulating Intestinal Flora-SCFAs-Vascular Axis. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
2588	Prebiotic effects of plant-derived (poly)phenols on host metabolism: Is there a role for short-chain fatty acids?. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 12285-12293.	5.4	2
2589	Present and Future: Crosstalks Between Polycystic Ovary Syndrome and Gut Metabolites Relating to Gut Microbiota. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	8
2590	A Bibliometric Analysis of Research on the Links Between Gut Microbiota and Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	11
2591	<i>Lactobacillus rhamnosus</i> HN001 Ameliorates BEZ235-Induced Intestinal Dysbiosis and Prolongs Cardiac Transplant Survival. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	4
2592	Changes of intestinal microbiota and microbiota-based treatments in IBD. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	3
2593	Gut Microflora Modulates Th17/Treg Cell Differentiation in Experimental Autoimmune Prostatitis via the Short-Chain Fatty Acid Propionate. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	18
2594	Effects of Zymosan on Short-Chain Fatty Acid and Gas Production in in vitro Fermentation Models of the Human Intestinal Microbiota. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	7
2595	Microbiota-Derived Propionate Modulates Megakaryopoiesis and Platelet Function. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
2596	Inhibition of <i>Cronobacter sakazakii</i> in an infant simulator of the human intestinal microbial ecosystem using a potential synbiotic. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
2597	Dietary compounds in modulation of gut microbiota-derived metabolites. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	11
2598	Microbiome and metabolomics in alcoholic liver disease. <i>Clinical and Molecular Hepatology</i> , 2022, 28, 580-582.	4.5	4
2599	Interactions between polysaccharides and gut microbiota: A metabolomic and microbial review. <i>Food Research International</i> , 2022, 160, 111653.	2.9	31
2600	Proton Pump Inhibitor-Induced Gut Dysbiosis Increases Mortality Rates for Patients with <i>Clostridioides difficile</i> Infection. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	14
2601	Bacterial community in <i>Sinonovacula constricta</i> intestine and its relationship with culture environment. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 5211-5220.	1.7	2

#	ARTICLE	IF	CITATIONS
2602	Gut microbiota activity in chickens from two genetic lines and with outdoor-preferring, moderate-preferring, and indoor-preferring ranging profiles. <i>Poultry Science</i> , 2022, 101, 102039.	1.5	7
2603	Effects of intestinal bacteria on cardiovascular disease. <i>Biotechnology and Genetic Engineering Reviews</i> , 0, , 1-18.	2.4	4
2604	The microbiome and gut homeostasis. <i>Science</i> , 2022, 377, .	6.0	127
2605	Effect of Bergamot and Laoxianghuang Polysaccharides on Gut Microbiota Derived from Patients with Hyperlipidemia: An Integrative Analysis of Microbiome and Metabolome during In Vitro Fermentation. <i>Foods</i> , 2022, 11, 2039.	1.9	3
2606	Differential Effects of Short-Chain Fatty Acids on L6 Myotube Inflammatory Mediator Production in Response to Lipopolysaccharide- or Palmitic Acid-Stimulation. <i>Nutrients</i> , 2022, 14, 2826.	1.7	2
2607	Catabolism of polyphenols released from mung bean coat and its effects on gut microbiota during in vitro simulated digestion and colonic fermentation. <i>Food Chemistry</i> , 2022, 396, 133719.	4.2	28
2608	Ginseng polysaccharides: Potential antitumor agents. <i>Journal of Ginseng Research</i> , 2023, 47, 9-22.	3.0	9
2609	Childhood body mass index and associations with infant gut metabolites and secretory IgA: findings from a prospective cohort study. <i>International Journal of Obesity</i> , 2022, 46, 1712-1719.	1.6	4
2610	The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. <i>Nutrients</i> , 2022, 14, 2872.	1.7	16
2611	Intestinal flora and immunity response to different viscous diets in juvenile largemouth bass, <i>Micropterus salmoides</i> . <i>Fish and Shellfish Immunology</i> , 2022, 127, 1012-1023.	1.6	4
2612	Profiling of <sc>d</sc> alanine production by the microbial isolates of rat gut microbiota. <i>FASEB Journal</i> , 2022, 36, .	0.2	5
2613	Nutraceutical Properties of Unripe Banana Flour Resistant Starch: A Review. <i>Starch/Staerke</i> , 2023, 75, .	1.1	6
2614	Gut Microbiota Structure and Metabolites, Before and After Treatment in Early Rheumatoid Arthritis Patients: A Pilot Study. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	7
2615	Sulphonated graphene catalyst incorporation with sludge enhanced the microbial activities for biomethanization of crude rice straw. <i>Bioresource Technology</i> , 2022, 361, 127614.	4.8	5
2616	Gut microbiota induces DNA methylation via SCFAs predisposing obesity-prone individuals to diabetes. <i>Pharmacological Research</i> , 2022, 182, 106355.	3.1	27
2617	Capabilities of bio-binding, antioxidant and intestinal environmental repair jointly determine the ability of lactic acid bacteria to mitigate perfluorooctane sulfonate toxicity. <i>Environment International</i> , 2022, 166, 107388.	4.8	7
2618	Associations of typical antibiotic residues with elderly blood lipids and dyslipidemia in West Anhui, China. <i>Ecotoxicology and Environmental Safety</i> , 2022, 242, 113889.	2.9	5
2619	Butyrate oxidation attenuates the butyrate-induced improvement of insulin sensitivity in myotubes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166476.	1.8	3

#	ARTICLE	IF	CITATIONS
2620	Inflammation as a mediator of stress-related psychiatric disorders. , 2023, , 885-911.		2
2621	Multiomic Analyses Reveal the Effects of Supplementing Phytosterols on the Metabolic Function of the Rumen Microbiota in Perinatal Cows. Applied and Environmental Microbiology, 2022, 88, .	1.4	3
2622	In vitro digestion, fecal fermentation, and gut bacteria regulation of brown rice gel prepared from rice slurry backfilled with rice bran. Food Hydrocolloids, 2022, 133, 107986.	5.6	9
2623	Microbial short-chain fatty acids: a strategy to tune adoptive T cell therapy. , 2022, 10, e004147.		28
2624	Improvement in cardiometabolic risk markers following an oatmeal diet is associated with gut microbiota in mildly hypercholesterolemic individuals. Food Research International, 2022, 160, 111701.	2.9	5
2625	Early life administration of Bifidobacterium bifidum BD-1 alleviates long-term colitis by remodeling the gut microbiota and promoting intestinal barrier development. Frontiers in Microbiology, 0, 13, .	1.5	5
2626	Sodium butyrate inhibits osteogenesis in human periodontal ligament stem cells by suppressing smad1 expression. BMC Oral Health, 2022, 22, .	0.8	3
2627	Sargassum fusiforme fucoidan ameliorates diet-induced obesity through enhancing thermogenesis of adipose tissues and modulating gut microbiota. International Journal of Biological Macromolecules, 2022, 216, 728-740.	3.6	10
2628	Inulin-type fructans change the gut microbiota and prevent the development of diabetic nephropathy. Pharmacological Research, 2022, 183, 106367.	3.1	17
2629	Dietary Component-Induced Inflammation and Its Amelioration by Prebiotics, Probiotics, and Synbiotics. Frontiers in Nutrition, 0, 9, .	1.6	15
2630	Distinct effects of fiber and colon segment on microbiota-derived indoles and short-chain fatty acids. Food Chemistry, 2023, 398, 133801.	4.2	13
2631	Histamine production by the gut microbiota induces visceral hyperalgesia through histamine 4 receptor signaling in mice. Science Translational Medicine, 2022, 14, .	5.8	41
2632	COVID-19 broken access: implications for individuals with substance use disorders. Social Work in Public Health, 0, , 1-12.	0.7	0
2633	Transcriptome and Gut Microbiota Profiling Analysis in ANIT-Induced Cholestasis and the Intervention Effect of Da-Huang-Xiao Shi Decoction. SSRN Electronic Journal, 0, , .	0.4	0
2634	Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabolomics. Food and Function, 2022, 13, 9119-9142.	2.1	8
2636	Direct and Indirect Methods for Studying Human Gut Microbiota. Russian Journal of Gastroenterology Hepatology Coloproctology, 2022, 32, 19-34.	0.2	4
2637	Association of anti-TNF- α treatment with gut microbiota of patients with ankylosing spondylitis. Pharmacogenetics and Genomics, 2022, 32, 247-256.	0.7	2
2638	A potential link between plasma short-chain fatty acids, TNF- α level and disease progression in non-alcoholic fatty liver disease: A retrospective study. Experimental and Therapeutic Medicine, 2022, 24, .	0.8	12

#	ARTICLE	IF	CITATIONS
2639	Vinegar reduced renal calcium oxalate stones by regulating acetate metabolism in gut microbiota and crystal adhesion in rats. <i>International Urology and Nephrology</i> , 2022, 54, 2485-2495.	0.6	4
2640	Characterization of Butyrate-Resistant Colorectal Cancer Cell Lines and the Cytotoxicity of Anticancer Drugs against These Cells. <i>BioMed Research International</i> , 2022, 2022, 1-18.	0.9	2
2641	Temporal Dynamics of the Intestinal Microbiome Following Short-Term Dietary Restriction. <i>Nutrients</i> , 2022, 14, 2785.	1.7	5
2642	Gut microbes and food reward: From the gut to the brain. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	13
2643	Role of gut microbiota-derived signals in the regulation of gastrointestinal motility. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	9
2644	Dietary Protected Butyrate Supplementation of Broilers Modulates Intestinal Tight Junction Proteins and Stimulates Endogenous Production of Short Chain Fatty Acids in the Caecum. <i>Animals</i> , 2022, 12, 1940.	1.0	10
2645	Crohn's Disease, Host-Microbiota Interactions, and Immunonutrition: Dietary Strategies Targeting Gut Microbiome as Novel Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8361.	1.8	1
2646	The Relationship between Gut Microbiota and Respiratory Tract Infections in Childhood: A Narrative Review. <i>Nutrients</i> , 2022, 14, 2992.	1.7	3
2647	The gut microbiota: a double-edged sword in endometriosis. <i>Biology of Reproduction</i> , 0, , .	1.2	5
2648	Effects of short-term feeding with high fiber diets on growth, utilization of dietary fiber, and microbiota in pigs. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	9
2649	Activity-based protein profiling identifies alternating activation of enzymes involved in the bifidobacterium shunt pathway or mucin degradation in the gut microbiome response to soluble dietary fiber. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	7
2650	Small intestinal metabolomics analysis reveals differentially regulated metabolite profiles in obese rats and with prebiotic supplementation. <i>Metabolomics</i> , 2022, 18, .	1.4	6
2651	Characterizing the influence of gut microbiota on host tryptophan metabolism with germ-free pigs. <i>Animal Nutrition</i> , 2022, 11, 190-200.	2.1	6
2652	Probiotics or synbiotics addition to sows' diets alters colonic microbiome composition and metabolome profiles of offspring pigs. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	6
2653	Oat phenolic compounds regulate metabolic syndrome in high fat diet-fed mice via gut microbiota. <i>Food Bioscience</i> , 2022, 50, 101946.	2.0	47
2654	Human gut bifidobacteria inhibit the growth of the opportunistic fungal pathogen <i>Candida albicans</i> . <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	10
2655	Short-Chain Fatty Acids Impair Neutrophil Antiviral Function in an Age-Dependent Manner. <i>Cells</i> , 2022, 11, 2515.	1.8	6
2656	Hypoxia-inducible factor as a bridge between healthy barrier function, wound healing, and fibrosis. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C866-C878.	2.1	15

#	ARTICLE	IF	CITATIONS
2657	Dietary resistant starch alleviates Escherichia coli-induced bone loss in meat ducks by promoting short-chain fatty acid production and inhibiting Malt1/NF- κ B inflammasome activation. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	1
2658	Supplementation of polyphenol-rich grapes attenuates colitis, colitis-associated colon cancer, and disease-associated dysbiosis in mice, but fails to mitigate colitis in antibiotic-treated mice. <i>Journal of Nutritional Biochemistry</i> , 2022, 109, 109124.	1.9	6
2659	Orlistat and ezetimibe could differently alleviate the high-fat diet-induced obesity phenotype by modulating the gut microbiota. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	12
2660	The gut microbiome molecular mimicry piece in the multiple sclerosis puzzle. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
2661	Effect of a diet rich in galactose or fructose, with or without fructooligosaccharides, on gut microbiota composition in rats. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	1
2662	Circadian dysregulation disrupts gut microbe-related bile acid metabolism. <i>Food and Nutrition Research</i> , 0, 66, .	1.2	1
2664	Fiber-enriched botanicals: A therapeutic tool against certain metabolic ailments. <i>Food Science and Nutrition</i> , 2022, 10, 3203-3218.	1.5	9
2665	Gut microbiota and meat quality. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
2666	Global research trends in atherosclerosis: A bibliometric and visualized study. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	6
2667	Rapid and Economical Chemoselective Metabolomics Using Boronate Ester Formation on a Monolithic Substrate. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
2668	Special Diets in Infants and Children and Impact on Gut Microbioma. <i>Nutrients</i> , 2022, 14, 3198.	1.7	16
2669	Traditional Chinese Medicine Formula Jian Pi Tiao Gan Yin Reduces Obesity in Mice by Modulating the Gut Microbiota and Fecal Metabolism. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 1-16.	0.5	4
2670	Preservation of the fecal microbiome is associated with reduced severity of graft-versus-host disease. <i>Blood</i> , 2022, 140, 2385-2397.	0.6	27
2671	We've looked at gut from both sides now: Gastrointestinal tract involvement in the pathogenesis of SARS-CoV-2 and HIV/SIV infections. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
2672	Development of a New Biomarker Model for Predicting Preterm Birth in Cervicovaginal Fluid. <i>Metabolites</i> , 2022, 12, 734.	1.3	4
2673	Adaptation and Resistance: How Bacteroides thetaiotaomicron Copes with the Bisphenol A Substitute Bisphenol F. <i>Microorganisms</i> , 2022, 10, 1610.	1.6	3
2674	Therapeutic Potential of Human Microbiome-Based Short-Chain Fatty Acids and Bile Acids in Liver Disease. <i>Livers</i> , 2022, 2, 139-145.	0.8	6
2675	The Potential Role of m6A in the Regulation of TBI-Induced BGA Dysfunction. <i>Antioxidants</i> , 2022, 11, 1521.	2.2	4

#	ARTICLE	IF	CITATIONS
2676	Dendrobium officinale polysaccharide ameliorates polycystic ovary syndrome via regulating butyrate dependent gut-brain-ovary axis mechanism. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	8
2677	Prebiotic Properties of Exopolysaccharides from <i>Lactobacillus helveticus</i> LZ-R-5 and <i>L. pentosus</i> LZ-R-17 Evaluated by In Vitro Simulated Digestion and Fermentation. <i>Foods</i> , 2022, 11, 2501.	1.9	3
2678	Dietary citrus pectin drives more ileal microbial protein metabolism and stronger fecal carbohydrate fermentation over fructo-oligosaccharide in growing pigs. <i>Animal Nutrition</i> , 2022, 11, 252-263.	2.1	5
2679	Influence of Gut-Liver Axis on Portal Hypertension in Advanced Chronic Liver Disease: The Gut Microbiome as a New Protagonist in Therapeutic Management. <i>Microbiology Research</i> , 2022, 13, 539-555.	0.8	3
2680	Gut microbiota and short-chain fatty acids may be new biomarkers for predicting neonatal necrotizing enterocolitis: A pilot study. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	6
2681	Dietary Fructose and Fructose-Induced Pathologies. <i>Annual Review of Nutrition</i> , 2022, 42, 45-66.	4.3	21
2682	<i>Ganoderma</i> spp. polysaccharides are potential prebiotics: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 909-927.	5.4	10
2683	Gut Microbiome Analysis Can Be Used as a Noninvasive Diagnostic Tool and Plays an Essential Role in the Onset of Membranous Nephropathy. <i>Advanced Science</i> , 2022, 9, .	5.6	7
2685	Metabolic Modeling and Bidirectional Culturing of Two Gut Microbes Reveal Cross-Feeding Interactions and Protective Effects on Intestinal Cells. <i>MSystems</i> , 2022, 7, .	1.7	9
2686	Gut microbiota: A new target for T2DM prevention and treatment. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	29
2687	The mechanism of berberine alleviating metabolic disorder based on gut microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	12
2688	Propionate and butyrate attenuate macrophage pyroptosis and osteoclastogenesis induced by CoCrMo alloy particles. <i>Military Medical Research</i> , 2022, 9, .	1.9	8
2689	Gonadal bacterial community composition is associated with sex-specific differences in swamp eels (<i>Monopterus albus</i>). <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
2690	Apple Pomace Modulates the Microbiota and Increases the Propionate Ratio in an In Vitro Piglet Gastrointestinal Model. <i>Fermentation</i> , 2022, 8, 408.	1.4	1
2691	The interplay between <i>Helicobacter pylori</i> and the gut microbiota: An emerging driver influencing the immune system homeostasis and gastric carcinogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	25
2692	In Vitro Infant Fecal Fermentation Characteristics of Human Milk Oligosaccharides Were Controlled by Initial Microbiota Composition More than Chemical Structure. <i>Molecular Nutrition and Food Research</i> , 2022, 66, .	1.5	6
2693	Fatty acids produced by the gut microbiota dampen host inflammatory responses by modulating intestinal SUMOylation. <i>Gut Microbes</i> , 2022, 14, .	4.3	12
2694	Effect of <i>Zanthoxylum bungeanum</i> essential oil on rumen enzyme activity, microbiome, and metabolites in lambs. <i>PLoS ONE</i> , 2022, 17, e0272310.	1.1	2

#	ARTICLE	IF	CITATIONS
2695	Rapid and Economical Chemoselective Metabolomics Using Boronate Ester Formation on a Monolithic Substrate. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
2696	Brief exposure of neuronal cells to levels of SCFAs observed in human systemic circulation impair lipid metabolism resulting in apoptosis. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
2697	Particle size of dietary fibre has diverse effects on in vitro gut fermentation rate and end-products depending on food source. <i>Food Hydrocolloids</i> , 2023, 134, 108096.	5.6	10
2698	Differential gene expression in iPSC-derived human intestinal epithelial cell layers following exposure to two concentrations of butyrate, propionate and acetate. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
2699	Gut microbiome modulation and gastrointestinal digestibility in vitro of polysaccharide-enriched extracts and seaweeds from <i>Ulva rigida</i> and <i>Gracilaria fisheri</i> . <i>Journal of Functional Foods</i> , 2022, 96, 105204.	1.6	8
2700	Organic chromium derived from the chelation of <i>Ganoderma lucidum</i> polysaccharide and chromium (III) alleviates metabolic syndromes and intestinal microbiota dysbiosis induced by high-fat and high-fructose diet. <i>International Journal of Biological Macromolecules</i> , 2022, 219, 964-979.	3.6	6
2701	Role of gut microbe-derived metabolites in cardiometabolic diseases: Systems based approach. <i>Molecular Metabolism</i> , 2022, 64, 101557.	3.0	7
2702	Gut microbiota in systemic lupus erythematosus: A fuse and a solution. <i>Journal of Autoimmunity</i> , 2022, 132, 102867.	3.0	22
2703	The disruption on gut microbiome of Decabromodiphenyl ethane exposure in the simulator of the human intestinal microbial ecosystem (SHIME). <i>Toxicology and Applied Pharmacology</i> , 2022, 452, 116194.	1.3	3
2704	Pectin supplementation ameliorates intestinal epithelial barrier function damage by modulating intestinal microbiota in lipopolysaccharide-challenged piglets. <i>Journal of Nutritional Biochemistry</i> , 2022, 109, 109107.	1.9	14
2705	Short-chain fatty acid metabolism and multiple effects on cardiovascular diseases. <i>Ageing Research Reviews</i> , 2022, 81, 101706.	5.0	53
2706	Lactate and butyrate proportions, methanogen growth and gas production during in vitro dietary fibre fermentation all depend on fibre concentration. <i>Food Hydrocolloids</i> , 2023, 134, 108061.	5.6	3
2707	Host-mycobiome metabolic interactions in health and disease. <i>Gut Microbes</i> , 2022, 14, .	4.3	11
2708	The mitigative effect of ovotransferrin-derived peptide IQW on DSS-induced colitis via alleviating intestinal injury and reprogramming intestinal microbes. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	0
2709	Unveiling the influence of ultrasonic-assisted lipolysis: A pilot study of short-chain fatty acid profiling in human milk based on mass spectrometry. , 2022, 1, 100097.		1
2710	Role of short chain fatty acids in gut health and possible therapeutic approaches in inflammatory bowel diseases. <i>World Journal of Clinical Cases</i> , 0, 10, 9985-10003.	0.3	14
2711	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
2712	Exploring the interactions between the gut microbiome and the shifting surrounding aquatic environment in fisheries and aquaculture: A review. <i>Environmental Research</i> , 2022, 214, 114202.	3.7	19

#	ARTICLE	IF	CITATIONS
2713	Short-chain fatty acid receptors and gut microbiota as therapeutic targets in metabolic, immune, and neurological diseases. , 2022, 239, 108273.		42
2714	Co-culture fermentations suggest cross-feeding among <i>Bacteroides ovatus</i> DSMZ 1896, <i>Lactiplantibacillus plantarum</i> WCFS1 and <i>Bifidobacterium adolescentis</i> DSMZ 20083 for utilizing dietary galactomannans. Food Research International, 2022, 162, 111942.	2.9	8
2715	Enhancement in the metabolic profile of sea buckthorn juice via fermentation for its better efficacy on attenuating diet-induced metabolic syndrome by targeting gut microbiota. Food Research International, 2022, 162, 111948.	2.9	5
2716	Gut lumen-targeted oral delivery system for bioactive agents to regulate gut microbiome. Journal of Future Foods, 2022, 2, 307-325.	2.0	2
2717	<i>Hericium caput-medusae</i> (Bull.:Fr.) Pers. fermentation concentrate polysaccharides improves intestinal bacteria by activating chloride channels and mucus secretion. Journal of Ethnopharmacology, 2023, 300, 115721.	2.0	4
2718	Bioactive lipids: Chemistry, biochemistry, and biological properties. , 2023, , 1-35.		0
2719	Effects of resistant starch III on the serum lipid levels and gut microbiota of Kunming mice under high-fat diet. Food Science and Human Wellness, 2023, 12, 575-583.	2.2	6
2720	Artificial simulated saliva, gastric and intestinal digestion and fermentation in vitro by human gut microbiota of intrapolysaccharide from <i>Paecilomyces cicadae</i> TJJ1213. Food Science and Human Wellness, 2023, 12, 622-633.	2.2	7
2721	Prospective role of prebiotics and probiotics in gut immunity. , 2022, , 387-404.		1
2722	Intestinal Permeability, Dysbiosis, Inflammation and Enteric Glia Cells: The Intestinal Etiology of Parkinson's Disease. , 2022, 13, 1381.		10
2723	Impact of <i>Lycium barbarum</i> arabinogalactan on the fecal metabolome in a DSS-induced chronic colitis mouse model. Food and Function, 2022, 13, 8703-8716.	2.1	21
2724	An introduction to human microbiome. Progress in Molecular Biology and Translational Science, 2022, , .	0.9	0
2725	Human microbiome and cardiovascular diseases. Progress in Molecular Biology and Translational Science, 2022, , 231-279.	0.9	3
2726	Gut microbiome-derived metabolites in host health and diseases. , 2022, , 81-91.		0
2727	Metabolic Alterations of Short-Chain Fatty Acids and TCA Cycle Intermediates in Human Plasma from Patients with Gastric Cancer. SSRN Electronic Journal, 0, , .	0.4	0
2728	Role of the gut microbiome in Rett syndrome. , 2022, , 273-293.		0
2729	Role of the microbiome in the function and diseases of the digestive system. , 2022, , 93-105.		0
2730	Cross Talk Between Gut Microbiota and Host Immune Cells. , 2022, , 7-26.		1

#	ARTICLE	IF	CITATIONS
2731	Physicochemical properties and bioactivity of polysaccharides from <i>Isaria cicadae</i> Miquel with different extraction processes: effects on gut microbiota and immune response in mice. <i>Food and Function</i> , 2022, 13, 9268-9284.	2.1	11
2732	Gut Microbiota Impairment Following Graphene Oxide Exposure is Associated to Physiological Alterations in <i>Xenopus Laevis</i> Tadpoles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2733	Short-Chain Fatty Acids-A Healthy Bus between Gut Microbiota and Organs beyond the Gut. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2022, 13, 362-387.	0.3	1
2734	Significance of the normal microflora of the body. , 2022, , 21-38.		0
2735	Prebiotic and Probiotic Potential of Cereals. , 2022, , 163-188.		0
2736	Intestinal microbiota and neuroinflammation in Parkinson's disease: At the helm of the gut-brain axis. <i>International Review of Neurobiology</i> , 2022, , .	0.9	1
2737	Epigenetic connection between gut microbiota-derived short-chain fatty acids and chromatin histone modification in kidney diseases. <i>Chinese Medical Journal</i> , 2022, 135, 1692-1694.	0.9	0
2738	<i>Clostridium butyricum</i> Potentially Improves Immunity and Nutrition through Alteration of the Microbiota and Metabolism of Elderly People with Malnutrition in Long-Term Care. <i>Nutrients</i> , 2022, 14, 3546.	1.7	8
2739	The Effects of Sodium Propionate Supplementation in the Diet with High Soybean Meal on Growth Performance, Intestinal Health, and Immune Resistance to Bacterial Infection in Turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0rgBT /Overlock 10		
2740	The Impacts of SCFAs on Intestinal Homeostasis, and Glucose-Lipid metabolism. , 0, 11, 254-263.		0
2741	Mucin O-glycan-microbiota axis orchestrates gut homeostasis in a diarrheal pig model. <i>Microbiome</i> , 2022, 10, .	4.9	14
2743	The gut microbiotaâ€bile acid axis: A potential therapeutic target for liver fibrosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	11
2744	Health Benefits and Side Effects of Short-Chain Fatty Acids. <i>Foods</i> , 2022, 11, 2863.	1.9	67
2745	Octenyl Succinic Anhydride-Modified Starch Attenuates Body Weight Gain and Changes Intestinal Environment of High-Fat Diet-Fed Mice. <i>Foods</i> , 2022, 11, 2980.	1.9	2
2746	Potential of gut-derived short-chain fatty acids to control enteric pathogens. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	6
2747	Coronary heart disease and gut microbiota: A bibliometric and visual analysis from 2002 to 2022. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	13
2748	The impact of almonds and almond processing on gastrointestinal physiology, luminal microbiology, and gastrointestinal symptoms: a randomized controlled trial and mastication study. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 1790-1804.	2.2	9
2749	Inhibiting Intestinal KrÃ¼ppel-Like Factor 5 Impairs the Beneficial Role of Renal Denervation in Gut Microbiota in Rats with Heart Failure. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	1

#	ARTICLE	IF	CITATIONS
2750	Different oral and gut microbial profiles in those with Alzheimer's disease consuming anti-inflammatory diets. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	4
2751	The emerging microbiome-based approaches to <scp>IBD</scp> therapy: From <scp>SCFAs</scp> to urolithin A. <i>Journal of Digestive Diseases</i> , 2022, 23, 412-434.	0.7	5
2752	Isinglass Polysaccharides Regulate Intestinal-Barrier Function and Alleviate Obesity in High-Fat Diet Mice through the HO-1/Nrf2 Pathway and Intestinal Microbiome Environment. <i>Nutrients</i> , 2022, 14, 3928.	1.7	2
2753	Free fatty acid receptors in the endocrine regulation of glucose metabolism: Insight from gastrointestinal-pancreatic-adipose interactions. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
2754	Short- and Long-Term Effects of a Prebiotic Intervention with Polyphenols Extracted from European Black Elderberry—Sustained Expansion of Akkermansia spp.. <i>Journal of Personalized Medicine</i> , 2022, 12, 1479.	1.1	7
2755	Solid-state fermentation with <i>Rhizopus oligosporus</i> RT-3 enhanced the nutritional properties of soybeans. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
2757	Rice Protein Peptides Alleviate Dextran Sulfate Sodium-Induced Colitis via the Keap1—Nrf2 Signaling Pathway and Regulating Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 12469-12483.	2.4	12
2758	The effect of Chinese herbal formulas combined with metformin on modulating the gut microbiota in the amelioration of type 2 diabetes mellitus: A systematic review and meta-analysis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	0
2759	Propionate Alleviates Abdominal Aortic Aneurysm by Modulating Colonic Regulatory T-Cell Expansion and Recirculation. <i>JACC Basic To Translational Science</i> , 2022, 7, 934-947.	1.9	5
2760	Crosstalk between the microbiota and insect postembryonic development. <i>Trends in Microbiology</i> , 2023, 31, 181-196.	3.5	3
2761	Comparative study of the function and structure of the gut microbiota in Siberian musk deer and Forest musk deer. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 6799-6817.	1.7	3
2763	How Microbiota-Derived Metabolites Link the Gut to the Brain during Neuroinflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10128.	1.8	8
2764	Effects of physical distancing by COVID-19 pandemic on diet quality, neurological and immunological markers, and fecal microbiota of Brazilian older women. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2
2766	Successful Dietary Therapy in Paediatric Crohn's Disease is Associated with Shifts in Bacterial Dysbiosis and Inflammatory Metabotype Towards Healthy Controls. <i>Journal of Crohn's and Colitis</i> , 2023, 17, 61-72.	0.6	15
2767	Short-chain fatty acid: An updated review on signaling, metabolism, and therapeutic effects. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-29.	5.4	20
2768	Association between diet and fecal microbiota along the first year of life. <i>Food Research International</i> , 2022, 162, 111994.	2.9	2
2769	Gut bacterial nutrient preferences quantified in vivo. <i>Cell</i> , 2022, 185, 3441-3456.e19.	13.5	57
2770	Advancing human gut microbiota research by considering gut transit time. <i>Gut</i> , 2023, 72, 180-191.	6.1	66

#	ARTICLE	IF	CITATIONS
2771	Enzymatic Hydrolysis Applied to Banana Pseudostem Biomass Compared to Solubilized Xylan for Xylooligosaccharides Production with High Substrate Concentration. <i>Bioenergy Research</i> , 2023, 16, 1040-1050.	2.2	3
2772	Herbal medicine in the treatment of COVID-19 based on the gut-lung axis. , 2022, 2, 172-183.		3
2774	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
2775	Oral Absorbent AST-120 Is Associated with Compositional and Functional Adaptations of Gut Microbiota and Modification of Serum Short and Medium-Chain Fatty Acids in Advanced CKD Patients. <i>Biomedicines</i> , 2022, 10, 2234.	1.4	5
2776	Gut Bacteria and Neurotransmitters. <i>Microorganisms</i> , 2022, 10, 1838.	1.6	63
2779	Association of human gut microbiota composition and metabolic functions with <i>Ficus hirta</i> Vahl dietary supplementation. <i>Npj Science of Food</i> , 2022, 6, .	2.5	9
2780	The Pathogenicity and Synergistic Action of Th1 and Th17 Cells in Inflammatory Bowel Diseases. <i>Inflammatory Bowel Diseases</i> , 2023, 29, 818-829.	0.9	11
2782	Application of the Clustering Technique to Multiple Nutritional Factors Related to Inflammation and Disease Progression in Patients with Inflammatory Bowel Disease. <i>Nutrients</i> , 2022, 14, 3960.	1.7	3
2783	The effects and significance of gut microbiota and its metabolites on the regulation of osteoarthritis: Close coordination of gut-bone axis. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	10
2784	Transmission of the gut microbiome in cohousing goats and pigs. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
2785	Airway-delivered short-chain fatty acid acetate boosts antiviral immunity during rhinovirus infection. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 151, 447-457.e5.	1.5	16
2786	The role of dietary fibers in regulating appetite, an overview of mechanisms and weight consequences. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-12.	5.4	10
2787	Mesoporous silica nanoparticle-encapsulated <i>Bifidobacterium</i> attenuates brain A β burden and improves olfactory dysfunction of APP/PS1 mice by nasal delivery. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	6
2788	Microbiome epidemiology and association studies in human health. <i>Nature Reviews Genetics</i> , 2023, 24, 109-124.	7.7	17
2789	Possible role of gut microbes and host's immune response in gut-lung homeostasis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	21
2790	Uncovering the core principles of the gut-lung axis to enhance innate immunity in the chicken. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
2791	Role of microbiota and microbiota-derived short-chain fatty acids in <sc>PDAC</sc>. <i>Cancer Medicine</i> , 2023, 12, 5661-5675.	1.3	8
2792	Polysaccharides from fermented coix seed modulates circulating nitrogen and immune function by altering gut microbiota. <i>Current Research in Food Science</i> , 2022, 5, 1994-2003.	2.7	6

#	ARTICLE	IF	CITATIONS
2793	Metabolic alterations of short-chain fatty acids and TCA cycle intermediates in human plasma from patients with gastric cancer. <i>Life Sciences</i> , 2022, 309, 121010.	2.0	10
2794	Visual Atlas Analysis on Literature of Intestinal Flora Based on CiteSpace Bibliometrics. <i>Advances in Clinical Medicine</i> , 2022, 12, 9352-9362.	0.0	0
2795	Whole grain benefit: synergistic effect of oat phenolic compounds and β -glucan on hyperlipidemia via gut microbiota in high-fat-diet mice. <i>Food and Function</i> , 2022, 13, 12686-12696.	2.1	52
2796	Live and pasteurized <i>Akkermansia muciniphila</i> attenuate hyperuricemia in mice through modulating uric acid metabolism, inflammation, and gut microbiota. <i>Food and Function</i> , 2022, 13, 12412-12425.	2.1	12
2797	Research Progress of Gut Microbiota's Function in Metabolic and Immunological Diseases. <i>Open Journal of Natural Science</i> , 2022, 10, 949-959.	0.1	0
2798	Gastrointestinaltrakt. , 2022, , 991-1026.		0
2799	The <i>in vitro</i> fermentation of compound oral liquid by human colonic microbiota altered the abundance of probiotics and short-chain fatty acid production. <i>RSC Advances</i> , 2022, 12, 30076-30084.	1.7	5
2800	Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs. <i>Food and Function</i> , 2022, 13, 12303-12315.	2.1	2
2801	The microbiota-gut-brain axis in Huntington's disease. <i>International Review of Neurobiology</i> , 2022, , 141-184.	0.9	4
2802	Dietary acetic acid suppress high-fat diet-induced obesity in mice by altering taurine conjugated bile acids metabolism. <i>Current Research in Food Science</i> , 2022, 5, 1976-1984.	2.7	8
2803	Association Between Dietary Fiber Intake and Risk of Depression in Patients With or Without Type 2 Diabetes. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4
2804	Less Pronounced Immunopathological Responses Following Oral Butyrate Treatment of <i>Campylobacter jejuni</i> -Infected Mice. <i>Microorganisms</i> , 2022, 10, 1953.	1.6	5
2805	Gut Microbiota in Nutrition and Health with a Special Focus on Specific Bacterial Clusters. <i>Cells</i> , 2022, 11, 3091.	1.8	9
2807	The role of gut microbiota in liver regeneration. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
2808	Effect of natural polyphenols in Chinese herbal medicine on obesity and diabetes: Interactions among gut microbiota, metabolism, and immunity. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
2809	<i>Eggerthella lenta</i> DSM 2243 Alleviates Bile Acid Stress Response in <i>Clostridium ramosum</i> and <i>Anaerostipes caccae</i> by Transformation of Bile Acids. <i>Microorganisms</i> , 2022, 10, 2025.	1.6	6
2810	Characteristics and bioactive properties of agro-waste and yeast derived manno-oligosaccharides. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 45, 102522.	1.5	1
2811	Caloric Restriction, Friend or Foe: Effects on Metabolic Status in Association with the Intestinal Microbiome and Metabolome. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 14061-14072.	2.4	7

#	ARTICLE	IF	CITATIONS
2812	Soluble non-starch polysaccharides in fish feed: implications for fish metabolism. <i>Fish Physiology and Biochemistry</i> , 0, , .	0.9	2
2813	Sodium acetate/sodium butyrate alleviates lipopolysaccharide-induced diarrhea in mice via regulating the gut microbiota, inflammatory cytokines, antioxidant levels, and NLRP3/Caspase-1 signaling. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	8
2814	Gut microbiome and human health: Exploring how the probiotic genus <i>Lactobacillus</i> modulate immune responses. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	43
2815	Gut microbiota modulation by plant polyphenols in koi carp (<i>Cyprinus carpio</i> L.). <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
2816	Effects of Dietary Supplementation with Carrot-Derived Rhamnogalacturonan-I (cRG-I) on Accelerated Protective Immune Responses and Quality of Life in Healthy Volunteers Challenged with Rhinovirus in a Randomized Trial. <i>Nutrients</i> , 2022, 14, 4258.	1.7	2
2817	Prophylactic effect of pectic oligosaccharides against poly I: C α -induced virus-like infection in BALB/c mice. <i>Journal of Food Biochemistry</i> , 2022, 46, .	1.2	6
2818	Probiotics in the Prevention and Treatment of Gestational Diabetes Mellitus (GDM): A Review. <i>Nutrients</i> , 2022, 14, 4303.	1.7	11
2819	The Role and Mechanism of Gut Microbiota in Pulmonary Arterial Hypertension. <i>Nutrients</i> , 2022, 14, 4278.	1.7	8
2820	MicroRNA sensing and regulating microbiota-host crosstalk via diet motivation. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-18.	5.4	1
2821	How Our Microbiome Influences the Pathogenesis of Alopecia Areata. <i>Genes</i> , 2022, 13, 1860.	1.0	7
2822	Immunosenescence, Inflammaging, and Lung Senescence in Asthma in the Elderly. <i>Biomolecules</i> , 2022, 12, 1456.	1.8	14
2823	Effects of <i>Lycium barbarum</i> Polysaccharides on Immunity and Metabolic Syndrome Associated with the Modulation of Gut Microbiota: A Review. <i>Foods</i> , 2022, 11, 3177.	1.9	9
2824	Metabolite profiling of human-originated <i>Lachnospiraceae</i> at the strain level. , 2022, 1, .		25
2825	Soybean oligosaccharides combined with probiotics reduce faecal odour compound content by improving intestinal microbiota in pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2023, 107, 839-849.	1.0	2
2826	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
2827	Protection by -Biotics against Hypertension Programmed by Maternal High Fructose Diet: Rectification of Dysregulated Expression of Short-Chain Fatty Acid Receptors in the Hypothalamic Paraventricular Nucleus of Adult Offspring. <i>Nutrients</i> , 2022, 14, 4306.	1.7	4
2828	The gastrointestinal microbiome of browsing goats (<i>Capra hircus</i>). <i>PLoS ONE</i> , 2022, 17, e0276262.	1.1	7
2829	The potential of tailoring the gut microbiome to prevent and treat cardiometabolic disease. <i>Nature Reviews Cardiology</i> , 2023, 20, 217-235.	6.1	31

#	ARTICLE	IF	CITATIONS
2830	GPR109a Regulates Phenotypic and Functional Alterations in Macrophages and the Progression of Type 1 Diabetes. <i>Molecular Nutrition and Food Research</i> , 2022, 66, .	1.5	4
2831	The Intestinal Microbiota and Short-Chain Fatty Acids in Association with Advanced Metrics of Glycemia and Adiposity Among Young Adults with Type 1 Diabetes and Overweight or Obesity. <i>Current Developments in Nutrition</i> , 2022, 6, nza107.	0.1	3
2833	The Impacts of Cholesterol, Oxysterols, and Cholesterol Lowering Dietary Compounds on the Immune System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12236.	1.8	7
2834	Alterations in gut microbiota improve SCFA production and fiber utilization in Tibetan pigs fed alfalfa diet. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
2835	The role of the gut microbiota in health and cardiovascular diseases. <i>Molecular Biomedicine</i> , 2022, 3, .	1.7	22
2836	<i>Helichrysum italicum</i> (Roth) G. Don and <i>Helichrysum arenarium</i> (L.) Moench Infusion Consumption Affects the Inflammatory Status and the Composition of Human Gut Microbiota in Patients with Traits of Metabolic Syndrome: A Randomized Comparative Study. <i>Foods</i> , 2022, 11, 3277.	1.9	3
2837	Sodium butyrate mediates histone crotonylation and alleviated neonatal rats hypoxicâ€“ischemic brain injury through gutâ€“brain axis. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	10
2838	Inflammatory Bowel Disease and Customized Nutritional Intervention Focusing on Gut Microbiome Balance. <i>Nutrients</i> , 2022, 14, 4117.	1.7	5
2839	A buffalo rumen-derived probiotic (SN-6) could effectively increase simmental growth performance by regulating fecal microbiota and metabolism. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
2840	Butyrate Mitigates Lipopolysaccharide-Induced Intestinal Morphological Changes in Weanling Piglets by Regulating the Microbiota and Energy Metabolism, and Alleviating Inflammation and Apoptosis. <i>Microorganisms</i> , 2022, 10, 2001.	1.6	6
2841	Changes in Gut Microbiota Structure: A Potential Pathway for Silver Nanoparticles to Affect the Host Metabolism. <i>ACS Nano</i> , 2022, 16, 19002-19012.	7.3	7
2842	Cytomegalovirus infection disrupts the influence of short-chain fatty acid producers on Treg/Th17 balance. <i>Microbiome</i> , 2022, 10, .	4.9	6
2843	Gut Microbiota in Ischemic Stroke: Role of Gut Bacteria-Derived Metabolites. <i>Translational Stroke Research</i> , 2023, 14, 811-828.	2.3	6
2844	Intestinal microbiota-mediated dietary fiber bioavailability. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
2845	Role of Micronutrients and Gut Microbiota-Derived Metabolites in COVID-19 Recovery. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12324.	1.8	4
2846	Commensal microbiota from patients with inflammatory bowel disease produce genotoxic metabolites. <i>Science</i> , 2022, 378, .	6.0	74
2847	Gut microbes in cerebrovascular diseases: Gut flora imbalance, potential impact mechanisms and promising treatment strategies. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	16
2848	Dietary fiber aids in the management of canine and feline gastrointestinal disease. <i>Journal of the American Veterinary Medical Association</i> , 2022, 260, S33-S45.	0.2	5

#	ARTICLE	IF	CITATIONS
2849	Effect of 30 days of ketogenic Mediterranean diet with phytoextracts on athletes' gut microbiome composition. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	1
2850	Role of gut-microbiota in disease severity and clinical outcomes. <i>Briefings in Functional Genomics</i> , 2024, 23, 24-37.	1.3	2
2851	The Interplay between Gut Microbiota and Parkinson's Disease: Implications on Diagnosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12289.	1.8	21
2852	Expression Analysis and the Roles of the Sec1 Gene in Regulating the Composition of Mouse Gut Microbiota. <i>Genes</i> , 2022, 13, 1858.	1.0	3
2853	Diagnostic and Molecular Portraits of Microbiome and Metabolomics of Short-Chain Fatty Acids and Bile acids in Liver Disease. <i>Process Biochemistry</i> , 2022, , .	1.8	2
2854	The polysaccharides from the fruits of <i>Lycium barbarum</i> L. modify the gut community profile and alleviate dextran sulfate sodium-induced colitis in mice. <i>International Journal of Biological Macromolecules</i> , 2022, 222, 2244-2257.	3.6	6
2855	Yeast mannoproteins are expected to be a novel potential functional food for attenuation of obesity and modulation of gut microbiota. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	5
2856	Microbiome-metabolome analysis reveals alterations in the composition and metabolism of caecal microbiota and metabolites with dietary Enteromorpha polysaccharide and Yeast glycoprotein in chickens. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
2857	Luminal and Tumor-Associated Gut Microbiome Features Linked to Precancerous Lesions Malignancy Risk: A Compositional Approach. <i>Cancers</i> , 2022, 14, 5207.	1.7	2
2858	Diet-Related Changes of Short-Chain Fatty Acids in Blood and Feces in Obesity and Metabolic Syndrome. <i>Biology</i> , 2022, 11, 1556.	1.3	11
2859	Sodium humate alters the intestinal microbiome, short-chain fatty acids, eggshell ultrastructure, and egg performance of old laying hens. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	2
2860	Microbiota-Derived Short-Chain Fatty Acids: New Road in Colorectal Cancer Therapy. <i>Pharmaceutics</i> , 2022, 14, 2359.	2.0	10
2861	Gut-liver axis: Pathophysiological concepts and clinical implications. <i>Cell Metabolism</i> , 2022, 34, 1700-1718.	7.2	118
2862	Insoluble Fiber in Barley Leaf Attenuates Hyperuricemic Nephropathy by Modulating Gut Microbiota and Short-Chain Fatty Acids. <i>Foods</i> , 2022, 11, 3482.	1.9	5
2863	<i>Clostridium butyricum</i> and <i>Bifidobacterium pseudolongum</i> Attenuate the Development of Cardiac Fibrosis in Mice. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	4
2864	"King of the forage" Alfalfa supplementation improves growth, reproductive performance, health condition and meat quality of pigs. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	5
2865	A Mechanistic Overview on Impact of Dietary Fibres on Gut Microbiota and Its Association with Colon Cancer. <i>Dietetics</i> , 2022, 1, 182-202.	0.4	5
2866	Butyrate reduces cellular magnesium absorption independently of metabolic regulation in Caco-2 human colon cells. <i>Scientific Reports</i> , 2022, 12, .	1.6	2

#	ARTICLE	IF	CITATIONS
2867	Gut microbiome and Parkinson's disease: Perspective on pathogenesis and treatment. <i>Journal of Advanced Research</i> , 2023, 50, 83-105.	4.4	9
2868	Islet-specific CD8 ⁺ T cells gain effector function in the gut lymphoid tissues via bystander activation not molecular mimicry. <i>Immunology and Cell Biology</i> , 2023, 101, 36-48.	1.0	7
2869	Short Chain Fatty Acids: Fundamental mediators of the gut-lung axis and their involvement in pulmonary diseases. <i>Chemico-Biological Interactions</i> , 2022, 368, 110231.	1.7	20
2870	Identification of <i>Odoribacter splanchnicus</i> bacteremia using MALDI-TOF mass spectrometry and 16S rRNA sequencing: A case report. <i>Anaerobe</i> , 2022, 78, 102663.	1.0	1
2871	Regulatory effects mediated by ulvan oligosaccharide and its zinc complex on lipid metabolism in high-fat diet-fed mice. <i>Carbohydrate Polymers</i> , 2023, 300, 120249.	5.1	21
2872	Cholestyramine resin administration alleviated cerebral ischemic injury in obese mice by improving gut dysbiosis and modulating the bile acid profile. <i>Experimental Neurology</i> , 2023, 359, 114234.	2.0	2
2873	Rhamnogalacturonan-I enriched pectin from steamed ginseng ameliorates lipid metabolism in type 2 diabetic rats via gut microbiota and AMPK pathway. <i>Journal of Ethnopharmacology</i> , 2023, 301, 115862.	2.0	12
2874	Gut microbiota impairment following graphene oxide exposure is associated to physiological alterations in <i>Xenopus laevis</i> tadpoles. <i>Science of the Total Environment</i> , 2023, 857, 159515.	3.9	5
2875	Polysaccharides from red kidney bean alleviating hyperglycemia and hyperlipidemia in type 2 diabetic rats via gut microbiota and lipid metabolic modulation. <i>Food Chemistry</i> , 2023, 404, 134598.	4.2	10
2876	Efficient reduction of β -lactoglobulin allergenicity in milk using <i>Clostridium tyrobutyricum</i> Z816. <i>Food Science and Human Wellness</i> , 2023, 12, 809-816.	2.2	15
2877	The role of gut microbiota and its metabolites short-chain fatty acids in food allergy. <i>Food Science and Human Wellness</i> , 2023, 12, 702-710.	2.2	10
2878	Il ruolo del microbiota intestinale nella modulazione immunitaria. <i>Medico E Bambino Pagine Elettroniche</i> , 2020, 23, 130-136.	0.0	0
2879	Manipulation of the diet-microbiota-brain axis in Alzheimer's disease. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	5
2880	Gut microbial response to host metabolic phenotypes. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
2881	Fiber-like Action of d-Fagomine on the Gut Microbiota and Body Weight of Healthy Rats. <i>Nutrients</i> , 2022, 14, 4656.	1.7	0
2882	Multiomics Analyses Reveal That Long-Term Intake of Hesperetin-7-O-glucoside Modulates the Gut Microbiota and Bile Acid Metabolism in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 14831-14840.	2.4	2
2883	An interoperability framework for multicentric breath metabolomic studies. <i>IScience</i> , 2022, 25, 105557.	1.9	4
2884	Maternal gestational <i>Bifidobacterium bifidum</i> TMC3115 treatment shapes construction of offspring gut microbiota and development of immune system and induces immune tolerance to food allergen. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	3

#	ARTICLE	IF	CITATIONS
2885	Global trends in Akkermansia muciniphila research: A bibliometric visualization. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
2886	Cannabidiol affects breast meat volatile compounds in chickens subjected to different infection models. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
2887	Gut microbiome metabolites as key actors in atherosclerosis co-depression disease. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
2888	Sociability in a non-captive macaque population is associated with beneficial gut bacteria. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	9
2889	Recognizing the role of the vagus nerve in depression from microbiota-gut brain axis. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	24
2890	Gut Microbiota Host-Gene Interaction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13717.	1.8	5
2891	Human gut homeostasis and regeneration: the role of the gut microbiota and its metabolites. <i>Critical Reviews in Microbiology</i> , 2023, 49, 764-785.	2.7	4
2892	Associations of disordered eating with the intestinal microbiota and short-chain fatty acids among young adults with type 1 diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2023, 33, 388-398.	1.1	0
2893	Different Impacts of Heat-Killed and Viable <i>Lactiplantibacillus plantarum</i> TWK10 on Exercise Performance, Fatigue, Body Composition, and Gut Microbiota in Humans. <i>Microorganisms</i> , 2022, 10, 2181.	1.6	8
2894	Editorial: The mechanism of plant-derived polysaccharides regulating the obesity and metabolic diseases in humans. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	0
2895	Systems-Wide Dissection of Organic Acid Assimilation in <i>Pseudomonas aeruginosa</i> Reveals a Novel Path To Underground Metabolism. <i>MBio</i> , 2022, 13, .	1.8	4
2896	Zeaxanthin Dipalmitate-Enriched Emulsion Stabilized with Whey Protein Isolate-Gum Arabic Maillard Conjugate Improves Gut Microbiota and Inflammation of Colitis Mice. <i>Foods</i> , 2022, 11, 3670.	1.9	4
2897	Dietary L-Arginine or N-Carbamylglutamate Alleviates Colonic Barrier Injury, Oxidative Stress, and Inflammation by Modulation of Intestinal Microbiota in Intrauterine Growth-Retarded Suckling Lambs. <i>Antioxidants</i> , 2022, 11, 2251.	2.2	7
2898	Effects of paramylon-rich <i>Euglena gracilis</i> EOD powder on visceral fat obesity in moderately obese Japanese adults: A randomized, double-blind, placebo-controlled, parallel-group trial. <i>Food Science and Nutrition</i> , 0, , .	1.5	0
2899	Effects of <i>Bacillus subtilis</i> BSNK-5-Fermented Soymilk on the Gut Microbiota by In Vitro Fecal Fermentation. <i>Foods</i> , 2022, 11, 3501.	1.9	1
2900	Deciphering the gut microbiome in neurodegenerative diseases and metagenomic approaches for characterization of gut microbes. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113958.	2.5	20
2901	Dietary silymarin ameliorating reproductive and lactation performance of sows via regulating body antioxidant and metabolism. <i>Digital Chinese Medicine</i> , 2022, 5, 286-294.	0.5	1
2902	Deciphering the role of gut metabolites in non-alcoholic fatty liver disease. <i>Critical Reviews in Microbiology</i> , 2023, 49, 815-833.	2.7	6

#	ARTICLE	IF	CITATIONS
2903	Modulation of the porcine intestinal microbiota in the course of <i>Ascaris suum</i> infection. <i>Parasites and Vectors</i> , 2022, 15, .	1.0	3
2904	Multi-target regulation of intestinal microbiota by berberine to improve type 2 diabetes mellitus. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
2905	Effect of <i>Lactobacillus</i> with Feruloyl Esterase-Producing Ability on Dextran Sodium Sulfate-Induced Ulcerative Colitis in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 14817-14830.	2.4	1
2906	Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran. <i>Food Research International</i> , 2023, 163, 112179.	2.9	9
2907	The Kitty Microbiome Project: Defining the Healthy Fecal "Core Microbiome" in Pet Domestic Cats. <i>Veterinary Sciences</i> , 2022, 9, 635.	0.6	6
2908	Effects of Lifetime Exposures to Environmental Contaminants on the Adult Gut Microbiome. <i>Environmental Science & Technology</i> , 2022, 56, 16985-16995.	4.6	6
2909	A sensitive and accurate GC-MS method for analyzing microbial metabolites short chain fatty acids and their hydroxylated derivatives in newborn fecal samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2023, 223, 115148.	1.4	3
2910	Thyme (<i>Thymus vulgaris</i> L.) polyphenols ameliorate DSS-induced ulcerative colitis of mice by mitigating intestinal barrier damage, regulating gut microbiota, and suppressing TLR4/NF- κ B-NLRP3 inflammasome pathways. <i>Food and Function</i> , 2023, 14, 1113-1132.	2.1	19
2911	Bioactive compounds in childhood obesity and associated metabolic complications: Current evidence, controversies and perspectives. <i>Pharmacological Research</i> , 2023, 187, 106599.	3.1	5
2912	Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function. <i>Food Research International</i> , 2023, 163, 112309.	2.9	17
2913	In vitro simulated digestion of and microbial characteristics in colonic fermentation of polysaccharides from four varieties of Tibetan tea. <i>Food Research International</i> , 2023, 163, 112255.	2.9	11
2914	The mechanism of intestinal microbiota regulating immunity and inflammation in ischemic stroke and the role of natural botanical active ingredients in regulating intestinal microbiota: A review. <i>Biomedicine and Pharmacotherapy</i> , 2023, 157, 114026.	2.5	4
2915	Cryptosporidium infection induced the dropping of SCFAS and dysbiosis in intestinal microbiome of Tibetan pigs. <i>Microbial Pathogenesis</i> , 2023, 174, 105922.	1.3	4
2916	Cytokines and cecal microbiome modulations conferred by a dual vaccine in <i>Salmonella</i> -infected layers. <i>Poultry Science</i> , 2023, 102, 102373.	1.5	1
2917	Dietary fiber from fruit waste as a potential source of metabolites in maintenance of gut milieu during ulcerative colitis: A comprehensive review. <i>Food Research International</i> , 2023, 164, 112329.	2.9	8
2918	A comparison study on polysaccharides extracted from <i>Rosa sterilis</i> S.D.Shi using different methods: Structural and in vitro fermentation characterizations. <i>Food Chemistry: X</i> , 2023, 17, 100533.	1.8	5
2919	Structural characteristics and ameliorative effect of a polysaccharide from <i>Corbicula fluminea</i> industrial distillate against acute liver injury induced by CCl ₄ in mice. <i>International Journal of Biological Macromolecules</i> , 2023, 227, 391-404.	3.6	1
2920	Determining the association between gut microbiota and its metabolites with higher intestinal Immunoglobulin A response. <i>Veterinary and Animal Science</i> , 2023, 19, 100279.	0.6	9

#	ARTICLE	IF	CITATIONS
2921	Living probiotic biomaterials for osteoporosis therapy. , 2023, 1, 52-64.		7
2922	In vitro fermentation of heparin by the human gut microbiota: Changes in the microbiota community and metabolic functions. Food Chemistry, 2023, 406, 135010.	4.2	5
2923	Dietary methionine restriction improves gut microbiota composition and prevents cognitive impairment in <sc>d</sc>-galactose-induced aging mice. Food and Function, 2022, 13, 12896-12914.	2.1	7
2924	Identification of key bacterial taxa and metabolic pathways affecting gut organic acid profiles in early life. Japanese Journal of Lactic Acid Bacteria, 2021, 32, 107-118.	0.1	0
2925	Prebiotic potential of Puã and Gabiroba fruit by-products from Cerrado Savannah. Food Biotechnology, 2022, 36, 371-393.	0.6	2
2926	Gut microbiome and fecal metabolic alteration in systemic lupus erythematosus patients with depression. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	3
2927	Bacteroides vulgatus attenuates experimental mice colitis through modulating gut microbiota and immune responses. Frontiers in Immunology, 0, 13, .	2.2	12
2928	A network meta-analysis to evaluate the efficacy of traditional Chinese medicine on intestinal flora in patients with gastrointestinal cancer. Frontiers in Genetics, 0, 13, .	1.1	0
2929	Chardonnay Marc as a New Model for Upcycled Co-products in the Food Industry: Concentration of Diverse Natural Products Chemistry for Consumer Health and Sensory Benefits. Journal of Agricultural and Food Chemistry, 2022, 70, 15007-15027.	2.4	3
2930	Reactive granulopoiesis depends on T-cell production of IL-17A and neutropenia-associated alteration of gut microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	2
2931	Protective role of butyrate in obesity and diabetes: New insights. Frontiers in Nutrition, 0, 9, .	1.6	19
2932	Empire Apple (Malus domestica) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo (Gallus gallus). Nutrients, 2022, 14, 4955.	1.7	6
2933	Molecular characterization of gut microbiome in weaning pigs supplemented with multi-strain probiotics using metagenomic, culturomic, and metabolomic approaches. Animal Microbiome, 2022, 4, .	1.5	0
2934	Bone loss is ameliorated by fecal microbiota transplantation through SCFA/GPR41/ IGF1 pathway in sickle cell disease mice. Scientific Reports, 2022, 12, .	1.6	5
2935	Maternal obesity and resistance to breast cancer treatments among offspring: Link to gut dysbiosis. Cancer Reports, 2022, 5, .	0.6	1
2936	The Effect of Breast Milk Microbiota on the Composition of Infant Gut Microbiota: A Cohort Study. Nutrients, 2022, 14, 5397.	1.7	6
2937	Natural products against inflammation and atherosclerosis: Targeting on gut microbiota. Frontiers in Microbiology, 0, 13, .	1.5	7
2939	Impact of <sc>pH</sc>, temperature, and hydraulic residence time on the acidogenic fermentation of fruit and vegetable waste and microbial community analysis. Journal of Chemical Technology and Biotechnology, 2023, 98, 819-828.	1.6	4

#	ARTICLE	IF	CITATIONS
2940	Treatment of peanut allergy and colitis in mice via the intestinal release of butyrate from polymeric micelles. <i>Nature Biomedical Engineering</i> , 2023, 7, 38-55.	11.6	36
2941	Sodium Butyrate Attenuates AGEs-Induced Oxidative Stress and Inflammation by Inhibiting Autophagy and Affecting Cellular Metabolism in THP-1 Cells. <i>Molecules</i> , 2022, 27, 8715.	1.7	5
2942	Interaction between Bacteroidetes species in the fermentation of <i>Lycium barbarum</i> arabinogalactan. <i>Food Chemistry</i> , 2023, 409, 135288.	4.2	0
2943	Effects of dietary irritants on intestinal homeostasis and the intervention strategies. <i>Food Chemistry</i> , 2023, 409, 135280.	4.2	4
2944	Gut metagenome profile of the Nunavik Inuit youth is distinct from industrial and non-industrial counterparts. <i>Communications Biology</i> , 2022, 5, .	2.0	2
2945	Environmental influences on childhood asthma—The effect of diet and microbiome on asthma. <i>Pediatric Allergy and Immunology</i> , 2022, 33, .	1.1	9
2946	Disentangling the causal relationship between rabbit growth and cecal microbiota through structural equation models. <i>Genetics Selection Evolution</i> , 2022, 54, .	1.2	1
2947	Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet. <i>Foods</i> , 2022, 11, 4072.	1.9	2
2948	Diet as a modifiable factor in tumorigenesis: Focus on microbiome-derived bile acid metabolites and short-chain fatty acids. <i>Food Chemistry</i> , 2023, 410, 135320.	4.2	3
2949	Implication of gut microbes and its metabolites in colorectal cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 441-465.	1.2	9
2950	Chain conformation, mucoadhesive properties of fucoidan in the gastrointestinal tract and its effects on the gut microbiota. <i>Carbohydrate Polymers</i> , 2023, 304, 120460.	5.1	9
2952	Longitudinal Study of the Effects of <i>Flammulina velutipes</i> Stipe Wastes on the Cecal Microbiota of Laying Hens. <i>MSystems</i> , 2023, 8, .	1.7	2
2953	Microbiome and Metabolome Insights into the Role of the Gastrointestinal—Brain Axis in Parkinson's and Alzheimer's Disease: Unveiling Potential Therapeutic Targets. <i>Metabolites</i> , 2022, 12, 1222.	1.3	6
2954	Mangosteen Pericarp Extract Supplementation Boosts Antioxidant Status via Rebuilding Gut Microbiota to Attenuate Motor Deficit in 6-OHDA-Induced Parkinson's Disease. <i>Antioxidants</i> , 2022, 11, 2396.	2.2	0
2956	Bioactive dietary components—Anti-obesity effects related to energy metabolism and inflammation. <i>BioFactors</i> , 2023, 49, 297-321.	2.6	8
2957	Sex Differences in Fecal Microbiome Composition and Function of Dromedary Camels in Saudi Arabia. <i>Animals</i> , 2022, 12, 3430.	1.0	2
2958	The microbiome's fiber degradation profile and its relationship with the host diet. <i>BMC Biology</i> , 2022, 20, .	1.7	2
2959	The gut microbiome: a core regulator of metabolism. <i>Journal of Endocrinology</i> , 2023, 256, .	1.2	18

#	ARTICLE	IF	CITATIONS
2960	Epigenetics in depression and gut-brain axis: A molecular crosstalk. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	20
2961	Effects of Pesticide Intake on Gut Microbiota and Metabolites in Healthy Adults. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 213.	1.2	3
2962	Effects of temperature on intestinal microbiota and lipid metabolism in <i>Rana chensinensis</i> tadpoles. <i>Environmental Science and Pollution Research</i> , 2023, 30, 35398-35412.	2.7	4
2963	The gut microbiome: linking dietary fiber to inflammatory diseases. <i>Medicine in Microecology</i> , 2022, 14, 100070.	0.7	11
2965	Human Milk Microbiome and Microbiome-Related Products: Potential Modulators of Infant Growth. <i>Nutrients</i> , 2022, 14, 5148.	1.7	7
2966	A self-powered ingestible wireless biosensing system for real-time in situ monitoring of gastrointestinal tract metabolites. <i>Nature Communications</i> , 2022, 13, .	5.8	39
2967	Longitudinal multi-omics analyses of the gut–liver axis reveals metabolic dysregulation in hepatitis C infection and cirrhosis. <i>Nature Microbiology</i> , 2023, 8, 12-27.	5.9	12
2968	Integrative metagenomic and metabolomic analyses reveal gut microbiota-derived multiple hits connected to development of gestational diabetes mellitus in humans. <i>Gut Microbes</i> , 2023, 15, .	4.3	9
2969	Diet–microbiota crosstalk and immunity to helminth infection. <i>Parasite Immunology</i> , 2023, 45, .	0.7	2
2970	Integrative analysis of microbiome and metabolome reveals the linkage between gut microbiota and carp growth. <i>Environmental Research</i> , 2023, 220, 115133.	3.7	9
2971	Modulation of the Gut Microbiota Structure and Function by Two Structurally Different Lemon Pectins. <i>Foods</i> , 2022, 11, 3877.	1.9	4
2972	Transcriptome and Gut Microbiota Profiling Analysis of ANIT-Induced Cholestasis and the Effects of Da-Huang-Xiao-Shi Decoction Intervention. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	3
2973	Stem Cell Therapy in Combination with Naturopathy: Current Progressive Management of Diabetes and Associated Complications. <i>Current Topics in Medicinal Chemistry</i> , 2023, 23, 649-689.	1.0	6
2974	Alterations in gut microbiome and metabolomics in chronic hepatitis B infection-associated liver disease and their impact on peripheral immune response. <i>Gut Microbes</i> , 2023, 15, .	4.3	16
2975	Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	7
2977	Cognitive, Emotional, Behavioral and Physiological Evaluation of the Relationship Between Brain and Gut Microbiota. <i>Current Approaches in Psychiatry</i> , 2022, 14, 446-459.	0.2	0
2978	Yinchen Linggui Zhugan decoction ameliorates high fat diet-induced nonalcoholic fatty liver disease by modulation of SIRT1/Nrf2 signaling pathway and gut microbiota. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	7
2979	Epigenetics and Gut Microbiota Crosstalk: A potential Factor in Pathogenesis of Cardiovascular Disorders. <i>Bioengineering</i> , 2022, 9, 798.	1.6	1

#	ARTICLE	IF	CITATIONS
2980	New Insights into the Relationship between Gut Microbiota and Radiotherapy for Cancer. <i>Nutrients</i> , 2023, 15, 48.	1.7	5
2981	Inflammatory microbes and genes as potential biomarkers of Parkinson's disease. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	9
2982	Foods may modify responsiveness to cancer immune checkpoint blockers by altering both the gut microbiota and activation of estrogen receptors in immune cells. , 0, 1, .		2
2983	Impact of cafeteria diet and n3 supplementation on the intestinal microbiota, fatty acids levels, neuroinflammatory markers and social memory in male rats. <i>Physiology and Behavior</i> , 2023, 260, 114068.	1.0	3
2984	Maternal fiber deprivation alters microbiota in offspring, resulting in low-grade inflammation and predisposition to obesity. <i>Cell Host and Microbe</i> , 2023, 31, 45-57.e7.	5.1	12
2985	Structural characterization and bifidogenic activity of polysaccharide from <i>Dictyophora indusiata</i> . <i>Food Bioscience</i> , 2023, 51, 102297.	2.0	5
2986	The role and mechanism of gut microbiota-derived short-chain fatty in the prevention and treatment of diabetic kidney disease. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
2987	Multi-omic interactions in the gut of children at the onset of islet autoimmunity. <i>Microbiome</i> , 2022, 10, .	4.9	5
2988	Stable isotope tracing in vivo reveals a metabolic bridge linking the microbiota to host histone acetylation. <i>Cell Reports</i> , 2022, 41, 111809.	2.9	7
2989	Simulated Digestion and Fermentation In Vitro by Obese Human Gut Microbiota of Sulforaphane from Broccoli Seeds. <i>Foods</i> , 2022, 11, 4016.	1.9	4
2990	Dietary Fiber Intake and Gut Microbiota in Human Health. <i>Microorganisms</i> , 2022, 10, 2507.	1.6	25
2991	Key regulators of intestinal stem cells: diet, microbiota, and microbial metabolites. <i>Journal of Genetics and Genomics</i> , 2023, 50, 735-746.	1.7	3
2992	Associations of Dietary Intake with the Intestinal Microbiota and Short-Chain Fatty Acids Among Young Adults with Type 1 Diabetes and Overweight or Obesity. <i>Journal of Nutrition</i> , 2023, 153, 1178-1188.	1.3	4
2993	Transjugular intrahepatic Porto-systemic shunt positively influences the composition and metabolic functions of the gut microbiota in cirrhotic patients. <i>Digestive and Liver Disease</i> , 2022, , .	0.4	0
2994	Increased Proportion of Fiber-Degrading Microbes and Enhanced Cecum Development Jointly Promote Host To Digest Appropriate High-Fiber Diets. <i>MSystems</i> , 2023, 8, .	1.7	4
2995	The Role of Gut Bacteriome in Asthma, Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnoea. <i>Microorganisms</i> , 2022, 10, 2457.	1.6	3
2996	Gut Microbiota Changes and Parkinson's Disease: What Do We Know, Which Avenues Ahead. <i>Healthy Ageing and Longevity</i> , 2023, , 257-278.	0.2	0
2997	Diabetes Mellitus and Microbiota: Knowledge and Perspectives. <i>Healthy Ageing and Longevity</i> , 2023, , 131-151.	0.2	0

#	ARTICLE	IF	CITATIONS
2998	Microbiota of the gastrointestinal tract: Friend or foe?. World Journal of Gastroenterology, 0, 29, 19-42.	1.4	16
2999	Fecal microbiota composition affects in vitro fermentation of rye, oat, and wheat bread. Scientific Reports, 2023, 13, .	1.6	5
3000	Protective effect of Paecilomyces cicadae TJJ11213 exopolysaccharide on intestinal mucosa and regulation of gut microbiota in immunosuppressed mice. Food Research International, 2023, 165, 112477.	2.9	5
3001	Enteric Neurotoxicity and Salsolinol. , 2022, , 641-667.		0
3002	Updates and Original Case Studies Focused on the NMR-Linked Metabolomics Analysis of Human Oral Fluids Part III: Implementations for the Diagnosis of Non-Cancerous Disorders, Both Oral and Systemic. Metabolites, 2023, 13, 66.	1.3	2
3003	The need for an integrated multi-OMICS approach in microbiome science in the food system. Comprehensive Reviews in Food Science and Food Safety, 2023, 22, 1082-1103.	5.9	12
3004	Simulated Digestion and Fecal Fermentation Behaviors of Levan and Its Impacts on the Gut Microbiota. Journal of Agricultural and Food Chemistry, 2023, 71, 1531-1546.	2.4	7
3005	Dual Regulation of Sulfonated Lignin to Prevent and Treat Type 2 Diabetes Mellitus. Biomacromolecules, 2023, 24, 841-848.	2.6	2
3006	Gut microbiome dysregulation drives bone damage in broiler tibial dyschondroplasia by disrupting glucose homeostasis. Npj Biofilms and Microbiomes, 2023, 9, .	2.9	11
3007	Sodium Propionate or Sodium Butyrate Promotes Fatty Acid Oxidation in HepG2 Cells Under Oxidative Stress. Journal of Medicinal Food, 2023, 26, 74-79.	0.8	1
3008	In Vitro Fermentation of Beechwood Lignin-Carbohydrate Complexes Provides Evidence for Utilization by Gut Bacteria. Nutrients, 2023, 15, 220.	1.7	2
3009	Immunomagnetic Capture of Faecalibacterium prausnitzii Selectively Modifies the Fecal Microbiota and Its Immunomodulatory Profile. Microbiology Spectrum, 2023, 11, .	1.2	3
3010	Host metabolic benefits of prebiotic exopolysaccharides produced by <i>Leuconostoc mesenteroides</i> . Gut Microbes, 2023, 15, .	4.3	14
3011	Bacteroides vulgatus Ameliorates Lipid Metabolic Disorders and Modulates Gut Microbial Composition in Hyperlipidemic Rats. Microbiology Spectrum, 2023, 11, .	1.2	14
3012	Gut Microbial-Derived Short Chain Fatty Acids: Impact on Adipose Tissue Physiology. Nutrients, 2023, 15, 272.	1.7	9
3014	Surrogate fostering of mice prevents prenatal estradiol-induced insulin resistance via modulation of the microbiota-gut-brain axis. Frontiers in Microbiology, 0, 13, .	1.5	0
3015	Weikangling capsules combined with omeprazole ameliorates ethanol-induced chronic gastritis by regulating gut microbiota and EGF-EGFR-ERK pathway. Life Sciences, 2023, 315, 121368.	2.0	2
3016	Targeting gut dysbiosis against inflammation and impaired autophagy in Duchenne muscular dystrophy. EMBO Molecular Medicine, 2023, 15, .	3.3	13

#	ARTICLE	IF	CITATIONS
3017	Gut Microbiome in Health and Gastrointestinal Cancer. , 2023, , 5-21.		1
3018	Wine-processed radix scutellariae alleviates ARDS by regulating tryptophan metabolism through gut microbiota. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
3019	Fecal microbiota transplantation and short-chain fatty acids reduce sepsis mortality by remodeling antibiotic-induced gut microbiota disturbances. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
3020	Effects of intestinal microbes on rheumatic diseases: A bibliometric analysis. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3021	Potential of shrimp waste meal and insect exuviae as sustainable sources of chitin for fish feeds. <i>Aquaculture</i> , 2023, 567, 739256.	1.7	7
3022	O-Glycomic and Proteomic Signatures of Spontaneous and Butyrate-Stimulated Colorectal Cancer Cell Line Differentiation. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100501.	2.5	2
3023	Exploring the roles of intestinal flora in enhanced recovery after surgery. <i>IScience</i> , 2023, 26, 105959.	1.9	3
3024	Natural products from plants and microorganisms: Novel therapeutics for chronic kidney disease via gut microbiota regulation. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
3025	Effects of Barley- and Oat-Based Diets on Some Gut Parameters and Microbiota Composition of the Small Intestine and Ceca of Broiler Chicken. <i>Agriculture (Switzerland)</i> , 2023, 13, 169.	1.4	1
3026	Structural characterization of peach gum polysaccharide and its effects on the regulation of DSS-induced acute colitis. <i>International Journal of Biological Macromolecules</i> , 2023, 225, 1224-1234.	3.6	7
3027	The Gut Microbiota and Its Metabolites Contribute to Ageing and Ageing-Related Diseases. <i>Healthy Ageing and Longevity</i> , 2023, , 3-22.	0.2	0
3028	The Implication of Mechanistic Approaches and the Role of the Microbiome in Polycystic Ovary Syndrome (PCOS): A Review. <i>Metabolites</i> , 2023, 13, 129.	1.3	6
3029	Microbiota and Liver Cancer. , 2023, , 67-90.		1
3030	The antitumour effects of caloric restriction are mediated by the gut microbiome. <i>Nature Metabolism</i> , 2023, 5, 96-110.	5.1	19
3031	Ageing and Human Gut Microbiome: The Taxonomic and Functional Transition Towards an Elderly-Type Microbiome. <i>Healthy Ageing and Longevity</i> , 2023, , 23-39.	0.2	0
3032	Butyrate-induced IL-22 expression in fish macrophages contributes to bacterial clearance. <i>Fish and Shellfish Immunology</i> , 2023, 133, 108545.	1.6	3
3033	Dietary lactate supplementation can alleviate DSS-induced colitis in piglets. <i>Biomedicine and Pharmacotherapy</i> , 2023, 158, 114148.	2.5	3
3034	Dynamic changes of inulin utilization associated with longitudinal development of gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2023, 229, 952-963.	3.6	2

#	ARTICLE	IF	CITATIONS
3035	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
3036	Pectin in Metabolic Liver Disease. <i>Nutrients</i> , 2023, 15, 157.	1.7	5
3037	Early intestinal microbiota changes in aged and adult mice with sepsis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	8
3038	Fecal Volatile Organic Compounds and Microbiota Associated with the Progression of Cognitive Impairment in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 707.	1.8	6
3039	The impact of <i>Helicobacter pylori</i> infection and eradication therapy containing minocycline and metronidazole on intestinal microbiota. <i>BMC Microbiology</i> , 2022, 22, .	1.3	6
3040	Systematic Review: Contribution of the Gut Microbiome to the Volatile Metabolic Fingerprint of Colorectal Neoplasia. <i>Metabolites</i> , 2023, 13, 55.	1.3	8
3044	Pharmacomicrobiomics in Anticancer Therapies: Why the Gut Microbiota Should Be Pointed Out. <i>Genes</i> , 2023, 14, 55.	1.0	5
3045	Impacts of Plant-derived Secondary Metabolites for Improving Flora in Type 2 Diabetes. <i>Current Diabetes Reviews</i> , 2023, 19, .	0.6	0
3046	Metabolism of gut microbiota and its role in state of diabetes mellitus. <i>Meditinskiy Sovet</i> , 2023, , 192-198.	0.1	0
3047	The therapeutic role of microbial metabolites in human health and diseases. , 2023, , 1-38.		1
3048	The Gut Microbiome, Microbial Metabolites, and Cardiovascular Disease in People Living with HIV. <i>Current HIV/AIDS Reports</i> , 2023, 20, 86-99.	1.1	4
3049	<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
3050	The gut microbiome, short chain fatty acids, and related metabolites in cystic fibrosis patients with and without colonic adenomas. <i>Journal of Cystic Fibrosis</i> , 2023, 22, 738-744.	0.3	3
3051	Microbiota-gut-brain axis mechanisms in the complex network of bipolar disorders: potential clinical implications and translational opportunities. <i>Molecular Psychiatry</i> , 2023, 28, 2645-2673.	4.1	22
3052	Novel Fermented Ice Cream Formulations with Improved Antiradical and Anti-Inflammatory Features. <i>Fermentation</i> , 2023, 9, 117.	1.4	2
3053	The Gut Microbiome Dynamically Associates with Host Glucose Metabolism throughout Pregnancy: Longitudinal Findings from a Matched Case-Control Study of Gestational Diabetes Mellitus. <i>Advanced Science</i> , 2023, 10, .	5.6	12
3054	Effects of <i>Lactobacillus fermentum</i> Administration on Intestinal Morphometry and Antibody Serum Levels in <i>Salmonella-Infantis</i> -Challenged Chickens. <i>Microorganisms</i> , 2023, 11, 256.	1.6	7
3055	Microbes used as anticancer agents and their potential application in biomedicine. , 2023, , 173-215.		0

#	ARTICLE	IF	CITATIONS
3056	Gut-brain axis. , 2023, , 445-495.		0
3057	Prebioticâ€Based Nanoamorphous Atorvastatin Attenuates Nonalcoholic Fatty Liver Disease by Retrieving Gut and Liver Health. Small Structures, 2023, 4, .	6.9	0
3058	Effects of the Number of Crested Cushions in Runzhou White-Crested Ducks on Serum Biochemical Parameters. Animals, 2023, 13, 466.	1.0	1
3059	Role of the Gut Microbiota in Children with Kidney Disease. Children, 2023, 10, 269.	0.6	5
3060	The emerging role of the gut-testis axis in male reproductive health and infertility. F&S Reviews, 2023, 4, 131-141.	0.7	0
3061	Protective role of colitis in inflammatory arthritis via propionate-producing Bacteroides in the gut. Frontiers in Immunology, 0, 14, .	2.2	2
3062	Prairie Agroecosystems: Interconnected Microbiomes of Livestock, Soil and Insects. Agriculture (Switzerland), 2023, 13, 326.	1.4	0
3064	A fiber-enriched diet alleviates Staphylococcus aureus-induced mastitis by activating the HDAC3-mediated antimicrobial program in macrophages via butyrate production in mice. PLoS Pathogens, 2023, 19, e1011108.	2.1	10
3065	Plasma Metabolic Analysis Reveals the Dysregulation of Short-Chain Fatty Acid Metabolism in Parkinsonâ€™s Disease. Molecular Neurobiology, 2023, 60, 2619-2631.	1.9	3
3066	Correlation between the Altered Gut Microbiome and Lifestyle Interventions in Chronic Widespread Pain Patients: A Systematic Review. Medicina (Lithuania), 2023, 59, 256.	0.8	6
3067	Gut-joint axis: Gut dysbiosis can contribute to the onset of rheumatoid arthritis via multiple pathways. Frontiers in Cellular and Infection Microbiology, 0, 13, .	1.8	13
3068	Association of gut microbiota and SCFAs with finishing weight of Diannan small ear pigs. Frontiers in Microbiology, 0, 14, .	1.5	6
3069	Melatonin improved glucose homeostasis is associated with the reprogrammed gut microbiota and reduced fecal levels of shortâ€chain fatty acids in db/db mice. Food Science and Nutrition, 0, , .	1.5	1
3070	Prospective Placebo-Controlled Assessment of Spore-Based Probiotic Supplementation on Sebum Production, Skin Barrier Function, and Acne. Journal of Clinical Medicine, 2023, 12, 895.	1.0	4
3071	The Role of the Gut Microbiome and Trimethylamine Oxide in Atherosclerosis and Age-Related Disease. International Journal of Molecular Sciences, 2023, 24, 2399.	1.8	5
3072	In Vitro Fermentation of Edible Mushrooms: Effects on Faecal Microbiota Characteristics of Autistic and Neurotypical Children. Microorganisms, 2023, 11, 414.	1.6	1
3073	Study on the effect of different concentrations of choline glycine ionic liquid-water mixtures on debranched starch butyrylation reaction. Carbohydrate Polymers, 2023, 308, 120680.	5.1	4
3074	Structural changes of butyrylated lotus seed starch and its impact on the gut microbiota of rat in vitro fermentation. Food Hydrocolloids, 2023, 139, 108501.	5.6	5

#	ARTICLE	IF	CITATIONS
3075	Insight into the structural and immunomodulatory relationships of polysaccharides from <i>Dendrobium officinale</i> -an in vivo study. <i>Food Hydrocolloids</i> , 2023, 139, 108560.	5.6	11
3076	Autoimmunity and inflammation. , 2023, , 11-17.		0
3077	Gut Microbial Metabolites on Host Immune Responses in Health and Disease. <i>Immune Network</i> , 2023, 23, .	1.6	8
3078	Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice. <i>Food and Function</i> , 2023, 14, 3026-3037.	2.1	0
3079	Disease mechanisms as subtypes: Microbiome. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2023, , 107-131.	1.0	2
3080	Current progress in the hypoglycemic mechanisms of natural polysaccharides. <i>Food and Function</i> , 2023, 14, 4490-4506.	2.1	10
3081	Altered Faecal Microbiota Composition and Structure of Ghanaian Children with Acute Gastroenteritis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3607.	1.8	4
3082	Versatility of bacterial outer membrane vesicles in regulating intestinal homeostasis. <i>Science Advances</i> , 2023, 9, .	4.7	16
3083	Gut microbiota: a non-target victim of pesticide-induced toxicity. <i>Gut Microbes</i> , 2023, 15, .	4.3	8
3084	Can Following Paleolithic and Mediterranean Diets Reduce the Risk of Stress, Anxiety, and Depression: A Cross-Sectional Study on Iranian Women. <i>Journal of Nutrition and Metabolism</i> , 2023, 2023, 1-10.	0.7	2
3085	Microbiome and Diet in Colon Cancer Development and Treatment. <i>Cancer Journal (Sudbury, Mass)</i> , 2023, 29, 89-97.	1.0	3
3086	A bibliometric analysis of studies on gut microbiota in attention-deficit and hyperactivity disorder from 2012 to 2021. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	3
3087	Ageing-Accelerated Mouse Prone 8 (SAMP8) Mice Experiment and Network Pharmacological Analysis of Aged Liupao Tea Aqueous Extract in Delaying the Decline Changes of the Body. <i>Antioxidants</i> , 2023, 12, 685.	2.2	2
3088	<i>Clostridioides difficile</i> aggravates dextran sulfate solution (DSS)-induced colitis by shaping the gut microbiota and promoting neutrophil recruitment. <i>Gut Microbes</i> , 2023, 15, .	4.3	2
3089	Effects of dietary dandelion (<i>Taraxacum mongolicum</i> Hand.-Mazz.) polysaccharides on the performance and gut microbiota of laying hens. <i>International Journal of Biological Macromolecules</i> , 2023, 240, 124422.	3.6	3
3090	The Role of Probiotics and Their Metabolites in the Treatment of Depression. <i>Molecules</i> , 2023, 28, 3213.	1.7	4
3091	Microbiota-derived short chain fatty acids: Their role and mechanisms in viral infections. <i>Biomedicine and Pharmacotherapy</i> , 2023, 160, 114414.	2.5	5
3093	Probe-based bacterial single-cell RNA sequencing predicts toxin regulation. <i>Nature Microbiology</i> , 2023, 8, 934-945.	5.9	14

#	ARTICLE	IF	CITATIONS
3094	Barley Leaf Ameliorates Citrobacter-rodentium-Induced Colitis through Arginine Enrichment. <i>Nutrients</i> , 2023, 15, 1890.	1.7	0
3095	<i>Pulsatilla chinensis</i> saponins improve SCFAs regulating GPR43-NLRP3 signaling pathway in the treatment of ulcerative colitis. <i>Journal of Ethnopharmacology</i> , 2023, 308, 116215.	2.0	7
3096	Probiotic-prebiotic therapeutic potential: A new horizon of microbial biotherapy to reduce female reproductive complications. <i>PharmaNutrition</i> , 2023, 24, 100342.	0.8	1
3097	The role of T cells in acute ischemic stroke. <i>Brain Research Bulletin</i> , 2023, 196, 20-33.	1.4	4
3098	Microbiota-derived short-chain fatty acids and modulation of host-derived peptides formation: Focused on host defense peptides. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114586.	2.5	9
3099	Future foods, dietary factors and healthspan. <i>Journal of Future Foods</i> , 2023, 3, 75-98.	2.0	2
3100	Lacto-fermented garlic sauce improved the quality and extended the shelf life of lamb meat under the chilled condition. <i>International Journal of Food Microbiology</i> , 2023, 395, 110190.	2.1	2
3101	A metabolomics approach to the validation of predictive metabolites and phenotypic expression in non-alcoholic fatty liver disease. <i>Life Sciences</i> , 2023, 322, 121626.	2.0	1
3102	Composition and functional profiles of human faecal microbiota fermenting plant-based food particles are related to water-holding capacity more than particle size. <i>Food Hydrocolloids</i> , 2023, 141, 108714.	5.6	3
3103	Simulated gastrointestinal digestion and gut microbiota fermentation of polysaccharides from <i>Agaricus bisporus</i> . <i>Food Chemistry</i> , 2023, 418, 135849.	4.2	10
3104	Alleviating effects and mechanisms of action of large-leaf yellow tea drinking on diabetes and diabetic nephropathy in mice. <i>Food Science and Human Wellness</i> , 2023, 12, 1660-1673.	2.2	7
3105	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
3106	Butyrate promotes post-stroke outcomes in aged mice via interleukin-22. <i>Experimental Neurology</i> , 2023, 363, 114351.	2.0	5
3107	Gut Microbiota and its Metabolites: Bridge of Dietary Nutrients and Alzheimer's Disease. <i>Advances in Nutrition</i> , 2023, 14, 819-839.	2.9	9
3108	Effect of <i>Dendrobium officinale</i> polysaccharides on central nervous system disease: Based on gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2023, 240, 124440.	3.6	4
3109	Microbiota-derived short-chain fatty acids may participate in post-stroke depression by regulating host's lipid metabolism. <i>Journal of Psychiatric Research</i> , 2023, 161, 426-434.	1.5	4
3110	Extraction condition optimization and prebiotic potential of dandelion (<i>Taraxacum mongolicum</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 1	2.5	9
3111	Quantification of short-chain fatty acids in human stool samples by LC-MS/MS following derivatization with aniline analogues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2023, 1217, 123618.	1.2	3

#	ARTICLE	IF	CITATIONS
3112	In vitro digestion and human gut microbiota fermentation of Bletilla striata polysaccharides and oligosaccharides. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	5
3113	Epithelial Barrier in the Nasal Mucosa, Related Risk Factors and Diseases. <i>International Archives of Allergy and Immunology</i> , 2023, 184, 481-501.	0.9	12
3114	Effects of sheep whey protein combined with Fu brick tea polysaccharides and stachyose on immune function and intestinal metabolites of cyclophosphamide-treated mice. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 3402-3413.	1.7	2
3115	When Gut Hormones Influence Brain Function in Depression. , 2023, 2, 31-51.		1
3117	The modulation effects of plant-derived bioactive ingredients on chronic kidney disease: Focus on the gut-kidney axis. <i>Food Frontiers</i> , 2023, 4, 262-282.	3.7	1
3118	The Bacterial DNA Profiling of Chorionic Villi and Amniotic Fluids Reveals Overlaps with Maternal Oral, Vaginal, and Gut Microbiomes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2873.	1.8	2
3119	The role of short-chain fatty acids in inflammatory skin diseases. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	9
3120	The multifaceted virulence of adherent-invasive <i>Escherichia coli</i> . <i>Gut Microbes</i> , 2023, 15, .	4.3	10
3121	Growth Stages and Inter-Species Gut Microbiota Composition and Function in Captive Red Deer (<i>Cervus elaphus alxaiicus</i>) and Blue Sheep (<i>Pseudois nayaur</i>). <i>Animals</i> , 2023, 13, 553.	1.0	3
3122	Bile acids as modulators of gut microbiota composition and function. <i>Gut Microbes</i> , 2023, 15, .	4.3	33
3123	Fecal microbiome transplantation and tributyrin improves early cardiac dysfunction and modifies the BCAA metabolic pathway in a diet induced pre-HFpEF mouse model. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	2
3124	Pectin mediates the mechanism of host blood glucose regulation through intestinal flora. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-23.	5.4	2
3125	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
3126	Dietary <i>Bacillus licheniformis</i> shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	3
3127	Food as Medicine: How to Influence the Microbiome and Improve Symptoms in Patients with Irritable Bowel Syndrome. <i>Current Gastroenterology Reports</i> , 2023, 25, 52-60.	1.1	3
3128	The diet rapidly and differentially affects the gut microbiota and host lipid mediators in a healthy population. <i>Microbiome</i> , 2023, 11, .	4.9	29
3129	Does diet or macronutrients intake drive the structure and function of gut microbiota?. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	5
3130	Effects of the polypeptide from peanut meal mixed fermentation on lipid metabolism and intestinal flora of hyperlipidemic mice. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 4351-4359.	1.7	1

#	ARTICLE	IF	CITATIONS
3131	Sciadonic acid attenuates high-fat diet-induced obesity in mice with alterations in the gut microbiota. <i>Food and Function</i> , 2023, 14, 2870-2880.	2.1	5
3132	Chimonanthus nitens Oliv Polysaccharides Modulate Immunity and Gut Microbiota in Immunocompromised Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-20.	1.9	4
3133	Avenanthramide Improves Colonic Damage Induced by Food Allergies in Mice through Altering Gut Microbiota and Regulating Hsp70-NF- κ B Signaling. <i>Nutrients</i> , 2023, 15, 992.	1.7	1
3134	Supplementation with Natto and Red Yeast Rice Alters Gene Expressions in Cholesterol Metabolism Pathways in ApoE-/- Mice with Concurrent Changes in Gut Microbiota. <i>Nutrients</i> , 2023, 15, 973.	1.7	2
3135	Exercise-induced microbial changes in preventing type 2 diabetes. <i>Science China Life Sciences</i> , 0, , .	2.3	7
3136	Effect of Agaricus bisporus Polysaccharides on Human Gut Microbiota during In Vitro Fermentation: An Integrative Analysis of Microbiome and Metabolome. <i>Foods</i> , 2023, 12, 859.	1.9	2
3137	Therapeutic Potential of Gut Microbiota and Its Metabolite Short-Chain Fatty Acids in Neonatal Necrotizing Enterocolitis. <i>Life</i> , 2023, 13, 561.	1.1	12
3138	Assessment of Energy and Nutrient Intake and the Intestinal Microbiome (ErNst Study): Protocol and Methods of a Cross-sectional Human Observational Study. <i>JMIR Research Protocols</i> , 0, 12, e42529.	0.5	1
3139	Microbial-Immune Crosstalk in Elderly-Onset Inflammatory Bowel Disease: Uncharted Territory. <i>Journal of Crohn's and Colitis</i> , 2023, 17, 1309-1325.	0.6	1
3140	Modulation of gut flore by dietary fibers from <i>Pyrus bretschneideri</i> Rehd.: Evaluation of fermentation characteristics using a colonic in vitro fermentation model. <i>Journal of Functional Foods</i> , 2023, 102, 105466.	1.6	0
3141	Mechanisms of Blood-Brain Barrier Protection by Microbiota-Derived Short-Chain Fatty Acids. <i>Cells</i> , 2023, 12, 657.	1.8	29
3144	Tea polysaccharides from Taiping Houkui may serve as a potential candidate for regulation of lipid metabolism: Roles of gut microbiota and metabolite in vitro. <i>Journal of Functional Foods</i> , 2023, 102, 105469.	1.6	3
3145	Inulin increases the beneficial effects of rhubarb supplementation on high-fat high-sugar diet-induced metabolic disorders in mice: impact on energy expenditure, brown adipose tissue activity, and microbiota. <i>Gut Microbes</i> , 2023, 15, .	4.3	4
3146	<i>Lactocaseibacillus rhamnosus</i> zz-1 Supplementation Mitigates Depression-Like Symptoms in Chronic Stress-Induced Depressed Mice via the Microbiota-Gut-Brain Axis. <i>ACS Chemical Neuroscience</i> , 2023, 14, 1095-1106.	1.7	2
3147	Diet Quality and the Fecal Microbiota in Adults in the American Gut Project. <i>Journal of Nutrition</i> , 2023, 153, 2004-2015.	1.3	4
3148	Editorial: Gut microbiota modulation by dietary fiber on human health: Processes and mechanisms. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	0
3149	Characteristics of the fecal microbiome and metabolome in older patients with heart failure and sarcopenia. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	6
3150	Interactions of tea polysaccharides with gut microbiota and their health-promoting effects to host: Advances and perspectives. <i>Journal of Functional Foods</i> , 2023, 102, 105468.	1.6	5

#	ARTICLE	IF	CITATIONS
3151	The Gut Microbial Bile Acid Modulation and Its Relevance to Digestive Health and Diseases. <i>Gastroenterology</i> , 2023, 164, 1069-1085.	0.6	14
3152	MiRNAs as epigenetic regulators for gut microbiome. , 2023, , 153-172.		0
3153	The <i>Trichinella spiralis</i> -derived antigens alleviate HFD-induced obesity and inflammation in mice. <i>International Immunopharmacology</i> , 2023, 117, 109924.	1.7	3
3154	The Interplay of Dietary Fibers and Intestinal Microbiota Affects Type 2 Diabetes by Generating Short-Chain Fatty Acids. <i>Foods</i> , 2023, 12, 1023.	1.9	10
3155	An overview of traditional Chinese medicine affecting gut microbiota in obesity. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	2
3156	An integrated transcriptome and microbial community analysis reveals potential mechanisms for increased immune responses when replacing silybum marianum meal with soybean meal in growing lambs. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	0
3157	Diets, Gut Microbiota and Metabolites. <i>Phenomics</i> , 2023, 3, 268-284.	0.9	4
3158	The gut microbiota links disease to human genome evolution. <i>Trends in Genetics</i> , 2023, 39, 451-461.	2.9	5
3159	Gut-Microbiota-Derived Metabolites Maintain Gut and Systemic Immune Homeostasis. <i>Cells</i> , 2023, 12, 793.	1.8	29
3160	Assessment of microbiota in the gut and upper respiratory tract associated with SARS-CoV-2 infection. <i>Microbiome</i> , 2023, 11, .	4.9	8
3161	Development of a simultaneous quantification method for the gut microbiota-derived core nutrient metabolome in mice and its application in studying host-microbiota interaction. <i>Analytica Chimica Acta</i> , 2023, 1251, 341039.	2.6	2
3162	Effects of compound prebiotics as prophylactic and therapeutic supplementation in a mouse model of acute colitis. <i>Applied Microbiology and Biotechnology</i> , 2023, 107, 2597-2609.	1.7	0
3163	Microbiota-derived metabolites in regulating the development and physiology of <i>Caenorhabditis elegans</i> . <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	1
3164	Feedlot performance, rumen and cecum morphometrics of Nellore cattle fed increasing levels of diet starch containing a blend of essential oils and amylase or monensin. <i>Frontiers in Veterinary Science</i> , 0, 10, .	0.9	2
3165	The Impact of Gut Microbiota-Derived Metabolites on the Tumor Immune Microenvironment. <i>Cancers</i> , 2023, 15, 1588.	1.7	7
3168	Strain specificity of lactobacilli with promoted colonization by galactooligosaccharides administration in protecting intestinal barriers during <i>Salmonella</i> infection. <i>Journal of Advanced Research</i> , 2024, 56, 1-14.	4.4	7
3169	Tissue-resident Lachnospiraceae family bacteria protect against colorectal carcinogenesis by promoting tumor immune surveillance. <i>Cell Host and Microbe</i> , 2023, 31, 418-432.e8.	5.1	44
3170	Effect of Arabinoxylan and Xylo-Oligosaccharide on Growth Performance and Intestinal Barrier Function in Weaned Piglets. <i>Animals</i> , 2023, 13, 964.	1.0	2

#	ARTICLE	IF	CITATIONS
3171	Small Intestinal Bacterial Overgrowth and Non-Alcoholic Fatty Liver Disease: What Do We Know in 2023?. <i>Nutrients</i> , 2023, 15, 1323.	1.7	6
3172	Short chain fatty acids increase fat oxidation and promote browning through β -adrenergic receptor/AMP-activated protein kinase β signaling pathway in 3T3-L1 adipocytes. <i>Journal of Functional Foods</i> , 2023, 103, 105488.	1.6	3
3173	Changes in community structures and functions of the gut microbiomes of deep-sea cold seep mussels during in situ transplantation experiment. <i>Animal Microbiome</i> , 2023, 5, .	1.5	2
3174	Predicting metabolomic profiles from microbial composition through neural ordinary differential equations. <i>Nature Machine Intelligence</i> , 2023, 5, 284-293.	8.3	5
3175	Role of the Gut Microbiome in the Development of Atherosclerotic Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5420.	1.8	10
3176	<i>In vitro</i> effects of two polysaccharide fractions from <i>Laminaria japonica</i> on gut microbiota and metabolome. <i>Food and Function</i> , 2023, 14, 3379-3390.	2.1	4
3177	Potential Anti-Allergy and Immunomodulatory Properties of <i>Lactococcus lactis</i> LB 1022 Observed In Vitro and in an Atopic Dermatitis Mouse Model. <i>Journal of Microbiology and Biotechnology</i> , 2023, 33, 823-830.	0.9	0
3178	Effects of Adding Lean Red Meat to a U.S.-Style Healthy Vegetarian Dietary Pattern on Gut Microbiota and Cardiovascular Risk Factors in Young Adults: a Crossover Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2023, 153, 1439-1452.	1.3	3
3179	Microbiota metabolites in the female reproductive system: Focused on the short-chain fatty acids. <i>Heliyon</i> , 2023, 9, e14562.	1.4	6
3180	Fibre fermentation and pig faecal microbiota composition are affected by the interaction between sugarcane fibre and (poly)phenols <i>in vitro</i> . <i>International Journal of Food Sciences and Nutrition</i> , 2023, 74, 219-233.	1.3	3
3181	Development of the Anaerobic Microbiome in the Infant Gut. <i>Pediatric Infectious Disease Journal</i> , 0, Publish Ahead of Print, .	1.1	0
3184	<i>Lactobacillus rhamnosus</i> ATCC 53103 and <i>Limosilactobacillus reuteri</i> ATCC 53608 Synergistically Boost Butyrate Levels upon Tributyrin Administration Ex Vivo. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5859.	1.8	3
3185	Black rice regulates lipid metabolism, liver injury, oxidative stress and adipose accumulation in high-fat/cholesterol diet mice based on gut microbiota and untargeted metabolomics. <i>Journal of Nutritional Biochemistry</i> , 2023, 117, 109320.	1.9	1
3186	Acupuncture treatment for post-stroke depression: Intestinal microbiota and its role. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	10
3187	Comparative assessment of physicochemical, structural and functional properties of dietary fiber extracted from mango (<i>Mangifera indica</i> L.) and soursop (<i>Annona muricata</i>) peels. <i>International Journal of Biological Macromolecules</i> , 2023, 238, 124116.	3.6	2
3188	Microbial metabolites as modulators of the infant gut microbiome and host-microbial interactions in early life. <i>Gut Microbes</i> , 2023, 15, .	4.3	14
3189	Effect of Plant-Based Diets on Gut Microbiota: A Systematic Review of Interventional Studies. <i>Nutrients</i> , 2023, 15, 1510.	1.7	10
3190	Gut enterochromaffin cells drive visceral pain and anxiety. <i>Nature</i> , 2023, 616, 137-142.	13.7	24

#	ARTICLE	IF	CITATIONS
3191	Role of Dietary Defatted Rice Bran in the Modulation of Gut Microbiota in AOM/DSS-Induced Colitis-Associated Colorectal Cancer Rat Model. <i>Nutrients</i> , 2023, 15, 1528.	1.7	8
3192	Gut microbial metabolite butyrate improves anticancer therapy by regulating intracellular calcium homeostasis. <i>Hepatology</i> , 2023, 78, 88-102.	3.6	6
3193	The SCFAs Production of Syntrophic Culture of <i>L. johnsonii</i> SZ-YL and <i>A. muciniphila</i> in Different Macrobutrients. , 0, 30, 24-33.		0
3194	Crosstalk between Gut Microbiota and Epigenetic Markers in Obesity Development: Relationship between <i>Ruminococcus</i> , BMI, and MACROD2/SEL1L2 Methylation. <i>Nutrients</i> , 2023, 15, 1550.	1.7	6
3196	GLOBAL SIGNATURES OF THE MICROBIOME AND METABOLOME DURING HOSPITALIZATION OF SEPTIC PATIENTS. <i>Shock</i> , 2023, 59, 716-724.	1.0	4
3198	The interplay between herbal medicines and gut microbiota in metabolic diseases. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	5
3199	Quantification of Free Short-Chain Fatty Acids in Raw Cow Milk by Gas Chromatography-Mass Spectrometry. <i>Foods</i> , 2023, 12, 1367.	1.9	3
3200	The Implication of Short-Chain Fatty Acids in Obesity and Diabetes. <i>Microbiology Insights</i> , 2023, 16, 117863612311627.	0.9	7
3201	Rutin alleviates colon lesions and regulates gut microbiota in diabetic mice. <i>Scientific Reports</i> , 2023, 13, .	1.6	5
3202	Interactions between gut microbes and NLRP3 inflammasome in the gut-brain axis. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 2215-2227.	1.9	4
3203	Potential use of seaweed polysaccharides as prebiotics for management of metabolic syndrome: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-21.	5.4	0
3204	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
3205	Interaction between Î²-glucans and gut microbiota: a comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-32.	5.4	4
3206	Butyrate potentiates <i>Enterococcus faecalis</i> lipoteichoic acid-induced inflammasome activation via histone deacetylase inhibition. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	6
3207	<i>Lactobacillus rhamnosus</i> and <i>L. plantarum</i> Combination Treatment Ameliorated Colitis Symptoms in a Mouse Model by Altering Intestinal Microbial Composition and Suppressing Inflammatory Response. <i>Molecular Nutrition and Food Research</i> , 2023, 67, .	1.5	9
3208	Enhancement of immunomodulatory effect of licorice after honey-roasting based on gut microbiota and fecal metabolomics. <i>CYTA - Journal of Food</i> , 2023, 21, 275-284.	0.9	1
3210	Effect of Wheat-Derived Arabinoxylan on the Gut Microbiota Composition and Colonic Regulatory T Cells. <i>Molecules</i> , 2023, 28, 3079.	1.7	4
3211	Dietary fiber modification: structure, physicochemical properties, bioactivities, and applicationâ€”a review. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-21.	5.4	2

#	ARTICLE	IF	CITATIONS
3213	Effects of Tiaopi Xiezhuo decoction on constipation and gut dysbiosis in patients with peritoneal dialysis. <i>Pharmaceutical Biology</i> , 2023, 61, 531-540.	1.3	5
3214	Physicochemical property changes of <i>Dendrobium officinale</i> leaf polysaccharide <sc>LDOP&A</sc> and it promotes <sc>GLP</sc> secretion in <sc>NCl&H716</sc> cells by simulated saliva&gastrointestinal digestion. <i>Food Science and Nutrition</i> , 0, , .	1.5	0
3215	Mass Sportrometry: An annual look back at applications of mass spectrometry in sport and exercise science. <i>Analytical Science Advances</i> , 0, , .	1.2	0
3216	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
3217	Akkermansia muciniphila Cell-Free Supernatant Improves Glucose and Lipid Metabolisms in <i>Caenorhabditis elegans</i> . <i>Nutrients</i> , 2023, 15, 1725.	1.7	2
3218	Select human milk oligosaccharide supplementation in post&weanling rats affects metabolism and gut microbiota into adulthood. <i>Obesity</i> , 2023, 31, 1362-1375.	1.5	1
3219	A Bibliometric Analysis on the Research Trend of Exercise and the Gut Microbiome. <i>Microorganisms</i> , 2023, 11, 903.	1.6	7
3220	HMOs Exert Marked Bifidogenic Effects on Children&TM's Gut Microbiota Ex Vivo, Due to Age-Related Bifidobacterium Species Composition. <i>Nutrients</i> , 2023, 15, 1701.	1.7	9
3221	Comparison of the Effects of 3 Forms of Soluble Dietary Fiber on the Production of IgA in BALB/cA c and BALB/cA c -nu/nu Mice. <i>Journal of Nutrition</i> , 2023, 153, 1618-1626.	1.3	0
3222	Metformin Contributes to the Therapeutic Effects of Acne Vulgaris by Modifying the Gut Microbiome. <i>Dermatologic Therapy</i> , 2023, 2023, 1-12.	0.8	1
3223	Enzymatic arabinose depletion of wheat arabinoxylan regulates in vitro fermentation profiles and potential microbial degraders. <i>Food Hydrocolloids</i> , 2023, 142, 108743.	5.6	3
3224	Is the Gut Microbiome Implicated in the Excess Risk of Hypertension Associated with Obstructive Sleep Apnea? A Contemporary Review. <i>Antioxidants</i> , 2023, 12, 866.	2.2	2
3225	Production of a Series of Long-Chain Isomaltooligosaccharides from Maltose by <i>Bacillus subtilis</i> AP-1 and Associated Prebiotic Properties. <i>Foods</i> , 2023, 12, 1499.	1.9	3
3227	Effects of the loss of maternal gut microbiota before pregnancy on gut microbiota, food allergy susceptibility, and epigenetic modification on subsequent generations. <i>Bioscience of Microbiota, Food and Health</i> , 2023, , .	0.8	0
3228	Protective effect and mechanism insight of purified Antarctic krill phospholipids against mice ulcerative colitis combined with bioinformatics. <i>Natural Products and Bioprospecting</i> , 2023, 13, .	2.0	4
3229	The Association between Caffeine Intake and the Colonic Mucosa-Associated Gut Microbiota in Humans&A Preliminary Investigation. <i>Nutrients</i> , 2023, 15, 1747.	1.7	6
3230	Heat Stress-Induced Intestinal Barrier Impairment: Current Insights into the Aspects of Oxidative Stress and Endoplasmic Reticulum Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 5438-5449.	2.4	6
3231	Study on Intestinal Flora and Asthma: Knowledge Graph Analysis Based on CiteSpace (2001"2021). <i>Journal of Asthma and Allergy</i> , 0, Volume 16, 355-364.	1.5	2

#	ARTICLE	IF	CITATIONS
3232	Clostridium butyricum Strain MIYAIRI 588 (CBM588) as a Precision Probiotic Therapy in the Ketogenic Diet: A Possible Application?. Microbiology Research, 2023, 14, 492-506.	0.8	2
3233	Gut Bacterial Communities in HIV-Infected Individuals with Metabolic Syndrome: Effects of the Therapy with Integrase Strand Transfer Inhibitor-Based and Protease Inhibitor-Based Regimens. Microorganisms, 2023, 11, 951.	1.6	3
3234	Potential roles of the rectum keystone microbiota in modulating the microbial community and growth performance in goat model. Journal of Animal Science and Biotechnology, 2023, 14, .	2.1	5
3235	Fecal levels of SCFA and BCFA during capecitabine in patients with metastatic or unresectable colorectal cancer. Clinical and Experimental Medicine, 2023, 23, 3919-3933.	1.9	1
3236	An Integrated Approach to Skeletal Muscle Health in Aging. Nutrients, 2023, 15, 1802.	1.7	11
3237	New Approach to Improving the Prognosis of Ischemic Stroke by Regulating SCFAs with Acupuncture-Rehabilitation Therapy Based on Gut-Brain Axis. Rehabilitation Medicine, 2023, 33, 90-96.	0.1	1
3238	Description of Agathobaculum massiliense sp. nov., a new bacterial species prevalent in the human gut and predicted to produce indole and tryptophan based on genomic analysis. Antonie Van Leeuwenhoek, 0, , .	0.7	1
3239	A purified fraction of polysaccharides from the fruits of <i>Lycium barbarum</i> L. improves glucose homeostasis and intestinal barrier function in high-fat diet-fed mice. Food and Function, 2023, 14, 5311-5325.	2.1	1
3240	Integrated Microbiota and Metabolite Changes following Rice Bran Intake during Murine Inflammatory Colitis-Associated Colon Cancer and in Colorectal Cancer Survivors. Cancers, 2023, 15, 2231.	1.7	1
3241	Banxia Xiexin decoction alleviates AS co-depression disease by regulating the gut microbiome-lipid metabolic axis. Journal of Ethnopharmacology, 2023, 313, 116468.	2.0	4
3242	Immunomodulatory Properties of Probiotics and Their Derived Bioactive Compounds. Applied Sciences (Switzerland), 2023, 13, 4726.	1.3	3
3245	Dingxin recipe ameliorates hyperlipidemia injury in SD rats by improving the gut barrier, particularly the SCFAs/GPR43 pathway. Journal of Ethnopharmacology, 2023, 312, 116483.	2.0	0
3246	Obesity, but not high-fat diet, is associated with bone loss that is reversed via CD4+CD25+Foxp3+ Tregs-mediated gut microbiome of non-obese mice. Npj Science of Food, 2023, 7, .	2.5	1
3248	Milk fat globule membrane supplementation protects against β -lactoglobulin-induced food allergy in mice via upregulation of regulatory T cells and enhancement of intestinal barrier in a microbiota-derived short-chain fatty acids manner. , 2023, , 1-23.		0
3249	Age Rather Than Supplementation with Oat β -Glucan Influences Development of the Intestinal Microbiota and SCFA Concentrations in Suckling Piglets. Animals, 2023, 13, 1349.	1.0	1
3250	The Diet as a Modulator of Tumor Microenvironment in Colorectal Cancer Patients. International Journal of Molecular Sciences, 2023, 24, 7317.	1.8	5
3251	Fecal microbiota transplantation inhibits colorectal cancer progression: Reversing intestinal microbial dysbiosis to enhance anti-cancer immune responses. Frontiers in Microbiology, 0, 14, .	1.5	13
3252	Studies on nutritional intervention of ginkgo starch-lauric acid complex in obese rats induced by a high-fat diet. Food Bioscience, 2023, 53, 102644.	2.0	2

#	ARTICLE	IF	CITATIONS
3253	Metagenome and metabolome insights into the energy compensation and exogenous toxin degradation of gut microbiota in high-altitude rhesus macaques (<i>Macaca mulatta</i>). <i>Npj Biofilms and Microbiomes</i> , 2023, 9, .	2.9	0
3254	Effects of the synbiotic composed of mangiferin and <i>Lactobacillus reuteri</i> 12 on type 2 diabetes mellitus rats. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	1
3255	Intravaginal injection of <i>Lactobacillus johnsonii</i> may modulates oviductal microbiota and mucosal barrier function of laying hens. <i>Poultry Science</i> , 2023, 102, 102699.	1.5	2
3256	Prospects of using biologically active substances to prevent depression. , 2023, , 23-44.		0
3257	Gut-liver axis: barriers and functional circuits. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2023, 20, 447-461.	8.2	26
3258	Multi-omics signatures in new-onset diabetes predict metabolic response to dietary inulin: findings from an observational study followed by an interventional trial. <i>Nutrition and Diabetes</i> , 2023, 13, .	1.5	6
3284	Short-Chain Fatty Acids—A Product of the Microbiome and Its Participation in Two-Way Communication on the Microbiome-Host Mammal Line. <i>Current Obesity Reports</i> , 2023, 12, 108-126.	3.5	8
3300	Roles of the gut microbiome in weight management. <i>Nature Reviews Microbiology</i> , 2023, 21, 535-550.	13.6	11
3318	Microbiome therapeutics for the cancer management. , 2023, , 197-230.		0
3329	Gut microbiome immaturity and childhood acute lymphoblastic leukaemia. <i>Nature Reviews Cancer</i> , 2023, 23, 565-576.	12.8	5
3338	Gut microbiota bridges dietary nutrients and host immunity. <i>Science China Life Sciences</i> , 2023, 66, 2466-2514.	2.3	11
3349	Linking diet and gut microbiota in multiple sclerosis. , 2023, , 557-570.		0
3351	The association of diet and its components with changes in gut microbiota and improvement in Parkinson's disease. , 2023, , 717-728.		0
3361	The impact of systemic inflammation on neuroinflammation. , 2023, , 169-188.		0
3371	A precision environmental health approach to prevention of human disease. <i>Nature Communications</i> , 2023, 14, .	5.8	12
3377	Gastrointestinal disorders in Parkinson's disease and other Lewy body diseases. <i>Npj Parkinson's Disease</i> , 2023, 9, .	2.5	3
3380	Signaling pathways in cancer metabolism: mechanisms and therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	20
3397	Action on the Cerebral Vascular Endothelium in the Prevention of Stroke. , 0, , .		0

#	ARTICLE	IF	CITATIONS
3411	Gut OncoMicrobiome Signatures (GOMS) as next-generation biomarkers for cancer immunotherapy. <i>Nature Reviews Clinical Oncology</i> , 2023, 20, 583-603.	12.5	16
3412	Acarbose suppresses symptoms of mitochondrial disease in a mouse model of Leigh syndrome. <i>Nature Metabolism</i> , 2023, 5, 955-967.	5.1	4
3424	Calorie restriction mimetic drugs could favorably influence gut microbiota leading to lifespan extension. <i>GeroScience</i> , 0, , .	2.1	2
3431	Probiotics as Potential Remedy for Restoration of Gut Microbiome and Mitigation of Polycystic Ovarian Syndrome. , 2023, , 1-33.		0
3433	State-of-art engineering approaches for ameliorated production of microbial lipid. <i>Systems Microbiology and Biomanufacturing</i> , 0, , .	1.5	0
3436	Non-LAB Bacterial Probiotic. , 2023, , 1-28.		0
3457	Microbial Production of Fructooligosaccharides. , 2023, , 1-27.		0
3461	<i>Bifidobacterium infantis</i> as a probiotic in preterm infants: a systematic review and meta-analysis. <i>Pediatric Research</i> , 2023, 94, 1887-1905.	1.1	1
3482	Gut microbiota, intestinal permeability, and systemic inflammation: a narrative review. <i>Internal and Emergency Medicine</i> , 2024, 19, 275-293.	1.0	23
3488	Potential effects of gut microbiota on host cancers: focus on immunity, DNA damage, cellular pathways, and anticancer therapy. <i>ISME Journal</i> , 2023, 17, 1535-1551.	4.4	6
3515	Meat and Alcohol Consumption: Diet and Lifestyle Choice and Cancer. , 2023, , 105-117.		0
3538	Cellular lipids in B cell immunity, inflammation, and cancer. , 2023, , 421-438.		0
3544	Gut microbiota and acute kidney injury: immunological crosstalk link. <i>International Urology and Nephrology</i> , 2024, 56, 1345-1358.	0.6	0
3553	The amyotrophic lateral sclerosis exposome: recent advances and future directions. <i>Nature Reviews Neurology</i> , 2023, 19, 617-634.	4.9	6
3571	The link between the gut microbiome, inflammation, and Parkinsonâ€™s disease. <i>Applied Microbiology and Biotechnology</i> , 2023, 107, 6737-6749.	1.7	1
3574	What if gastrointestinal complications in endurance athletes were gut injuries in response to a high consumption of ultra-processed foods? Please take care of your bugs if you want to improve endurance performance: a narrative review. <i>European Journal of Applied Physiology</i> , 2024, 124, 383-402.	1.2	1
3580	The Impact of Microbial Metabolites on Host Health and Disease. <i>Endocrinology</i> , 2023, , 1-40.	0.1	0
3601	Non-LAB Bacterial Probiotics. , 2023, , 1505-1532.		0

#	ARTICLE	IF	CITATIONS
3620	Analysis and Identification of Short-Chain Fatty Acid Postbiotics by Gas Chromatography. , 2024, , 131-138.		0
3639	Prebiotics with Plant and Microbial Origins. , 2023, , 81-102.		0
3658	Editorial: Fermentation and enzymatic processes for the production of functional food. <i>Frontiers in Sustainable Food Systems</i> , 0, 7, .	1.8	0
3671	Human anaerobic microbiome: a promising and innovative tool in cancer prevention and treatment by targeting pyruvate metabolism. <i>Cancer Immunology, Immunotherapy</i> , 2023, 72, 3919-3930.	2.0	0
3689	The Microbiome, Metabolism, and Networks in Precision Nutrition. , 2024, , 91-142.		0
3727	Large Intestine and Gut“Brain”Microbiota Interactions. , 2023, , 172-211.		0
3742	Role of Gut Microbiome Composition in Shaping Host Immune System Development and Health. , 2023, , 39-65.		0
3747	Utilization of the microbiome in personalized medicine. <i>Nature Reviews Microbiology</i> , 0, , .	13.6	5
3754	Nutritional Modulation of Gut Microbiota Alleviates Metabolic and Neurological Disorders. , 2023, , 97-125.		0
3795	The Gut Microbiome Affects Atherosclerosis by Regulating Reverse Cholesterol Transport. <i>Journal of Cardiovascular Translational Research</i> , 0, , .	1.1	0
3797	Microbial metabolites as modulators of host physiology. <i>Advances in Microbial Physiology</i> , 2024, , .	1.0	0
3807	Gut Microbiome and Polycystic Ovary Syndrome: Interplay of Associated Microbial-Metabolite Pathways and Therapeutic Strategies. <i>Reproductive Sciences</i> , 0, , .	1.1	0
3810	The interactions between the host immunity and intestinal microorganisms in fish. <i>Applied Microbiology and Biotechnology</i> , 2024, 108, .	1.7	1
3830	Mediterranean-like Diet May Modulate Acute Inflammation in Wistar Rats. , 0, , .		0
3835	Gut“brain communication mediates the impact of dietary lipids on cognitive capacity. <i>Food and Function</i> , 2024, 15, 1803-1824.	2.1	0
3858	The Impact of Microbial Metabolites on Host Health and Disease. <i>Endocrinology</i> , 2024, , 71-109.	0.1	0
3939	Microbiota, Diet, Oral Health, and Vascular Aging. , 2024, , 277-289.		0
3962	Effects of gut bacteria and their metabolites on gut health of animals. <i>Advances in Applied Microbiology</i> , 2024, , .	1.3	0