Microbiota and SCFA in Lean and Overweight Healthy S

Obesity

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Citation Report

#	Article	IF	Citations
2	No causal link between obesity and probiotics. Nature Reviews Microbiology, 2009, 7, 901-901.	13.6	48
3	Absence of intestinal microbiota does not protect mice from diet-induced obesity. British Journal of Nutrition, 2010, 104, 919-929.	1.2	369
4	Role of gut microbiota in the control of energy and carbohydrate metabolism. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 432-438.	1.3	77
5	Intestinal microbiota and overweight. Beneficial Microbes, 2010, 1, 407-421.	1.0	26
6	The environment within: how gut microbiota may influence metabolism and body composition. Diabetologia, 2010, 53, 606-613.	2.9	270
7	Systems biology of the gut: the interplay of food, microbiota and host at the mucosal interface. Current Opinion in Biotechnology, 2010, 21, 539-550.	3.3	62
8	Microbiota in Pediatric Inflammatory Bowel Disease. Journal of Pediatrics, 2010, 157, 240-244.e1.	0.9	148
9	Pilot study: alterations of intestinal microbiota in obese humans are not associated with colonic inflammation or disturbances of barrier function. Alimentary Pharmacology and Therapeutics, 2010, 32, 1307-1314.	1.9	76
10	Intestinal fermentation in patients with self-reported food hypersensitivity: painful, but protective?. Clinical and Experimental Gastroenterology, 2010, 3, 65.	1.0	10
11	La microbiota intestinal: Un nuevo actor en el desarrollo de la obesidad. Revista Medica De Chile, 2010, 138, .	0.1	9
12	Gut Microbiota in Human Adults with Type 2 Diabetes Differs from Non-Diabetic Adults. PLoS ONE, 2010, 5, e9085.	1.1	2,309
13	Probiotics and Obesity. Annals of Nutrition and Metabolism, 2010, 57, 20-23.	1.0	18
14	New insights into<i>Prevotella</i>diversity and medical microbiology. Future Microbiology, 2010, 5, 1695-1718.	1.0	62
15	Composition and energy harvesting capacity of the gut microbiota: relationship to diet, obesity and time in mouse models. Gut, 2010, 59, 1635-1642.	6.1	808
16	A role for the gut microbiota in energy harvesting?. Gut, 2010, 59, 1589-1590.	6.1	28
17	Gut Microbiota, Intestinal Permeability, Obesityâ€Induced Inflammation, and Liver Injury. Journal of Parenteral and Enteral Nutrition, 2011, 35, 14S-20S.	1.3	259
18	Gut microbiota and probiotics in maternal and infant health. American Journal of Clinical Nutrition, 2011, 94, S2000-S2005.	2.2	90
19	Targeting gut microbiota in obesity: effects of prebiotics and probiotics. Nature Reviews Endocrinology, 2011, 7, 639-646.	4.3	653

#	Article	IF	Citations
22	A new enzymatically produced 1-lactulose: A pilot study to test the bifidogenic effects. International Dairy Journal, 2011, 21, 940-948.	1.5	19
23	Effects of the gut microbiota on obesity and glucose homeostasis. Trends in Endocrinology and Metabolism, 2011, 22, 117-123.	3.1	263
24	Role of the Gut in Visceral Fat Inflammation and Metabolic Disorders. Obesity, 2011, 19, 2113-2120.	1.5	78
25	Contribution of the Intestinal Microbiota to Human Health: From Birth to 100ÂYears of Age. Current Topics in Microbiology and Immunology, 2011, 358, 323-346.	0.7	51
26	Gut microbiome, obesity, and metabolic dysfunction. Journal of Clinical Investigation, 2011, 121, 2126-2132.	3.9	703
27	MICROBIOTA INTESTINAL: ROL EN OBESIDAD. Revista Chilena De Nutricion, 2011, 38, 228-233.	0.1	12
28	Gut microbiota: next frontier in understanding human health and development of biotherapeutics. Biologics: Targets and Therapy, 2011, 5, 71.	3.0	181
29	Obesity and the Gut Microbiota. Journal of Clinical Gastroenterology, 2011, 45, S128-S132.	1.1	115
30	Gut microbiota interactions with obesity, insulin resistance and type 2 diabetes. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 483-490.	1.3	116
31	Intestinal microbiota in inflammation and insulin resistance: relevance to humans. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 334-340.	1.3	57
32	Regulation of Inflammation by Short Chain Fatty Acids. Nutrients, 2011, 3, 858-876.	1.7	1,180
33	The host selects mucosal and luminal associations of coevolved gut microorganisms: a novel concept. FEMS Microbiology Reviews, 2011, 35, 681-704.	3.9	232
34	Dominant and diet-responsive groups of bacteria within the human colonic microbiota. ISME Journal, 2011, 5, 220-230.	4.4	1,352
35	Enterotypes of the human gut microbiome. Nature, 2011, 473, 174-180.	13.7	5,800
36	Fermentation potential of the gut microbiome: implications for energy homeostasis and weight management. Nutrition Reviews, 2011, 69, 99-106.	2.6	81
37	Impact of dietary counselling and probiotic intervention on maternal anthropometric measurements during and after pregnancy: A randomized placebo-controlled trial. Clinical Nutrition, 2011, 30, 156-164.	2.3	127
38	Cross-feeding between bifidobacteria and butyrate-producing colon bacteria explains bifdobacterial competitiveness, butyrate production, and gas production. International Journal of Food Microbiology, 2011, 149, 73-80.	2.1	260
39	Variation in Antibiotic-Induced Microbial Recolonization Impacts on the Host Metabolic Phenotypes of Rats. Journal of Proteome Research, 2011, 10, 3590-3603.	1.8	114

#	Article	IF	Citations
40	Interaction Between Obesity and the Gut Microbiota: Relevance in Nutrition. Annual Review of Nutrition, 2011, 31, 15-31.	4.3	358
41	Intestinal microbiota in human health and disease: the impact of probiotics. Genes and Nutrition, 2011, 6, 209-240.	1.2	557
42	Obesity and the gut microbiota: does up-regulating colonic fermentation protect against obesity and metabolic disease?. Genes and Nutrition, 2011, 6, 241-260.	1.2	194
43	Gut Microbiota and the Pathogenesis of Insulin Resistance. Current Diabetes Reports, 2011, 11, 154-159.	1.7	97
44	Prospects for systems biology and modeling of the gut microbiome. Trends in Biotechnology, 2011, 29, 251-258.	4.9	74
45	The metabolic activity of gut microbiota in obese children is increased compared with normal-weight children and exhibits more exhaustive substrate utilization. Nutrition and Diabetes, 2011, 1, e12-e12.	1.5	137
46	Human oral, gut, and plaque microbiota in patients with atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4592-4598.	3.3	943
47	Programming of Host Metabolism by the Gut Microbiota. Annals of Nutrition and Metabolism, 2011, 58, 44-52.	1.0	201
48	Energy-balance studies reveal associations between gut microbes, caloric load, and nutrient absorption in humans. American Journal of Clinical Nutrition, 2011, 94, 58-65.	2.2	1,015
49	Galactooligosaccharide supplementation reduces stress-induced gastrointestinal dysfunction and days of cold or flu: a randomized, double-blind, controlled trial in healthy university students. American Journal of Clinical Nutrition, 2011, 93, 1305-1311.	2.2	52
50	Composition, variability, and temporal stability of the intestinal microbiota of the elderly. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4586-4591.	3.3	1,418
51	Towards an Evolutionary Model of Animal-Associated Microbiomes. Entropy, 2011, 13, 570-594.	1.1	48
52	Management of metabolic syndrome through probiotic and prebiotic interventions. Indian Journal of Endocrinology and Metabolism, 2012, 16, 20.	0.2	72
53	Microbial ecology and host-microbiota interactions during early life stages. Gut Microbes, 2012, 3, 352-365.	4.3	208
54	Bacteroides uniformis CECT 7771 Ameliorates Metabolic and Immunological Dysfunction in Mice with High-Fat-Diet Induced Obesity. PLoS ONE, 2012, 7, e41079.	1.1	311
55	Regulatory properties of the intestinal microbiome effecting the development and treatment of diabetes. Current Opinion in Endocrinology, Diabetes and Obesity, 2012, 19, 73-80.	1.2	20
56	Early gut colonization and subsequent obesity risk. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 278-284.	1.3	25
57	The gut microbiota and its relationship to diet and obesity. Gut Microbes, 2012, 3, 186-202.	4.3	382

#	Article	IF	Citations
58	Consumption of different soymilk formulations differentially affects the gut microbiomes of overweight and obese men. Gut Microbes, 2012, 3, 490-500.	4.3	58
59	Etiopatogenia de la obesidad. Revista MÃ©dica ClÃnica Las Condes, 2012, 23, 129-135.	0.2	1
60	Prebiotics and the Health Benefits of Fiber: Current Regulatory Status, Future Research, and Goals,. Journal of Nutrition, 2012, 142, 962-974.	1.3	158
61	Structural resilience of the gut microbiota in adult mice under high-fat dietary perturbations. ISME Journal, 2012, 6, 1848-1857.	4.4	407
62	Prebiotic fiber modulation of the gut microbiota improves risk factors for obesity and the metabolic syndrome. Gut Microbes, 2012, 3, 29-34.	4.3	151
63	The gut microbiome: scourge, sentinel or spectator?. Journal of Oral Microbiology, 2012, 4, 9367.	1.2	48
64	Defining microbiota for developing new probiotics. Microbial Ecology in Health and Disease, 2012, 23, .	3.8	12
65	Lipopolysaccharide-Binding Protein, a Surrogate Marker of Microbial Translocation, Is Associated With Physical Function in Healthy Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 1212-1218.	1.7	91
66	Changes in Bowel Microbiota Induced by Feeding Weanlings Resistant Starch Stimulate Transcriptomic and Physiological Responses. Applied and Environmental Microbiology, 2012, 78, 6656-6664.	1.4	29
67	The Role of Nutrients in the Development, Progression, and Treatment of Nonalcoholic Fatty Liver Disease. Journal of Clinical Gastroenterology, 2012, 46, 457-467.	1.1	96
68	The Intestinal Microbiota and Obesity. Journal of Clinical Gastroenterology, 2012, 46, 16-24.	1.1	168
70	The human small intestinal microbiota is driven by rapid uptake and conversion of simple carbohydrates. ISME Journal, 2012, 6, 1415-1426.	4.4	544
71	Gut Microbiota and Obesity. Digestive Diseases, 2012, 30, 196-200.	0.8	17
72	Gut Microbiota Composition and Activity in Relation to Host Metabolic Phenotype and Disease Risk. Cell Metabolism, 2012, 16, 559-564.	7.2	438
73	Obesity-associated gut microbiota is enriched in Lactobacillus reuteri and depleted in Bifidobacterium animalis and Methanobrevibacter smithii. International Journal of Obesity, 2012, 36, 817-825.	1.6	567
74	Gastrointestinal Microbial Ecology with Perspectives on Health and Disease. , 2012, , 1119-1134.		6
75	Fecal microbiota transplantation and emerging applications. Nature Reviews Gastroenterology and Hepatology, 2012, 9, 88-96.	8.2	552
76	Women With and Without Metabolic Disorder Differ in Their Gut Microbiota Composition. Obesity, 2012, 20, 1082-1087.	1.5	82

#	Article	IF	Citations
77	Modulation of gut microbiota by antibiotics improves insulin signalling in high-fat fed mice. Diabetologia, 2012, 55, 2823-2834.	2.9	259
78	In vitro Utilization of Gold and Green Kiwifruit Oligosaccharides by Human Gut Microbial Populations. Plant Foods for Human Nutrition, 2012, 67, 200-207.	1.4	37
79	Functional analysis of colonic bacterial metabolism: relevant to health?. American Journal of Physiology - Renal Physiology, 2012, 302, G1-G9.	1.6	167
80	Contrasting effects of Bifidobacterium breve NCIMB 702258 and Bifidobacterium breve DPC 6330 on the composition of murine brain fatty acids and gut microbiota. American Journal of Clinical Nutrition, 2012, 95, 1278-1287.	2.2	109
81	Characterizing Kiwifruit Carbohydrate Utilization <i>in vitro</i> and its Consequences for Human Faecal Microbiota. Journal of Proteome Research, 2012, 11, 5863-5875.	1.8	12
82	Effects of Gut Microbes on Nutrient Absorption and Energy Regulation. Nutrition in Clinical Practice, 2012, 27, 201-214.	1.1	596
83	Of Microbes and Meals. Nutrition in Clinical Practice, 2012, 27, 215-225.	1.1	83
84	The Microbiota and Its Metabolites in Colonic Mucosal Health and Cancer Risk. Nutrition in Clinical Practice, 2012, 27, 624-635.	1.1	100
85	The Gut Microbiome and Obesity. Nestle Nutrition Institute Workshop Series, 2012, 73, 67-79.	1.5	24
86	Contributions of the microbial hydrogen economy to colonic homeostasis. Nature Reviews Gastroenterology and Hepatology, 2012, 9, 504-518.	8.2	221
87	The potential role of prebiotic fibre for treatment and management of nonâ€alcoholic fatty liver disease and associated obesity and insulin resistance. Liver International, 2012, 32, 701-711.	1.9	159
88	The role of the gut microbiota in nutrition and health. Nature Reviews Gastroenterology and Hepatology, 2012, 9, 577-589.	8.2	1,515
89	Gut microbiota correlates with energy gain from dietary fibre and appears to be associated with acute and chronic intestinal diseases. Clinical Microbiology and Infection, 2012, 18, 62-66.	2.8	18
90	Dysbiosis of Gut Microbiota (DOGMA) â€" A novel theory for the development of Polycystic Ovarian Syndrome. Medical Hypotheses, 2012, 79, 104-112.	0.8	195
91	IgA synthesis: a form of functional immune adaptation extending beyond gut. Current Opinion in Immunology, 2012, 24, 261-268.	2.4	62
92	The function of our microbiota: who is out there and what do they do?. Frontiers in Cellular and Infection Microbiology, 2012, 2, 104.	1.8	352
93	Lateral gene transfer of an ABC transporter complex between major constituents of the human gut microbiome. BMC Microbiology, 2012, 12, 248.	1.3	18
94	Correlation of intestinal microbiota with overweight and obesity in Kazakh school children. BMC Microbiology, 2012, 12, 283.	1.3	88

#	Article	IF	Citations
95	The importance of the gut microbiota after bariatric surgery. Nature Reviews Gastroenterology and Hepatology, 2012, 9, 590-598.	8.2	216
96	The composition and metabolic activity of child gut microbiota demonstrate differential adaptation to varied nutrient loads in an in vitro model of colonic fermentation. FEMS Microbiology Ecology, 2012, 80, 608-623.	1.3	48
97	Functional interactions between the gut microbiota and host metabolism. Nature, 2012, 489, 242-249.	13.7	3,582
98	The relationship between gut microbiota and weight gain in humans. Future Microbiology, 2012, 7, 91-109.	1.0	306
99	Impact of the Gut Microbiota on the Development of Obesity: Current Concepts. American Journal of Gastroenterology Supplements (Print), 2012, 1, 22-27.	0.7	112
100	Obesity and the gut microbiome: Striving for causality. Molecular Metabolism, 2012, 1, 21-31.	3.0	82
101	Human Gut Microbiota: Repertoire and Variations. Frontiers in Cellular and Infection Microbiology, 2012, 2, 136.	1.8	252
102	The Microbiota of the Gut in Preschool Children With Normal and Excessive Body Weight. Obesity, 2012, 20, 2257-2261.	1.5	449
103	Potential mechanisms for the emerging link between obesity and increased intestinal permeability. Nutrition Research, 2012, 32, 637-647.	1.3	196
104	Comparative meta-analysis of the effect of Lactobacillus species on weight gain in humans and animals. Microbial Pathogenesis, 2012, 53, 100-108.	1.3	364
105	Probiotics, Prebiotics, Energy Balance, and Obesity. Gastroenterology Clinics of North America, 2012, 41, 843-854.	1.0	34
106	Probiotics, Prebiotics, and Synbiotics: Gut and Beyond. Gastroenterology Research and Practice, 2012, 2012, 1-16.	0.7	164
107	Diet-Induced Dysbiosis of the Intestinal Microbiota and the Effects on Immunity and Disease. Nutrients, 2012, 4, 1095-1119.	1.7	533
108	Metaproteome Analysis and Molecular Genetics of Rat Intestinal Microbiota Reveals Section and Localization Resolved Species Distribution and Enzymatic Functionalities. Journal of Proteome Research, 2012, 11, 5406-5417.	1.8	63
109	Murine Gut Microbiota Is Defined by Host Genetics and Modulates Variation of Metabolic Traits. PLoS ONE, 2012, 7, e39191.	1.1	198
110	Analysis of the Gut Microbiota in the Old Order Amish and Its Relation to the Metabolic Syndrome. PLoS ONE, 2012, 7, e43052.	1.1	183
111	Is the Gut Microbiota a New Factor Contributing to Obesity and Its Metabolic Disorders?. Journal of Obesity, 2012, 2012, 1-14.	1.1	177
112	Negative association of acetate with visceral adipose tissue and insulin levels. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2012, 5, 49.	1.1	45

#	Article	IF	Citations
113	Metabotype Concept: Flexibility, Usefulness and Meaning in Different Biological Populations. , 0, , .		2
114	Intestinal Microbiota and Obesity. Handbook of Experimental Pharmacology, 2012, , 251-273.	0.9	69
115	Gut Microbiota and Obesity. Current Obesity Reports, 2012, 1, 1-8.	3.5	25
116	The therapeutic potential of manipulating gut microbiota in obesity and type 2 diabetes mellitus. Diabetes, Obesity and Metabolism, 2012, 14, 112-120.	2.2	283
117	The currently used commercial DNA-extraction methods give different results of clostridial and actinobacterial populations derived from human fecal samples. FEMS Microbiology Ecology, 2012, 79, 697-708.	1.3	112
118	Gut microbial adaptation to dietary consumption of fructose, artificial sweeteners and sugar alcohols: implications for hostâ€“microbe interactions contributing to obesity. Obesity Reviews, 2012, 13, 799-809.	3.1	178
119	Gut Microbiota as a Modulator of Cardiometabolic Risk: Mechanisms and Therapeutic Implications. Current Cardiovascular Risk Reports, 2012, 6, 71-79.	0.8	2
120	Differences in gut microbiota composition between obese and lean children: a cross-sectional study. Gut Pathogens, 2013, 5, 10.	1.6	351
121	Dietary Supplementation of Calcium may Counteract Obesity in Mice Mediated by Changes in Plasma Fatty Acids. Lipids, 2013, 48, 817-826.	0.7	12
122	The gut microbiota and obesity: from correlation to causality. Nature Reviews Microbiology, 2013, 11, 639-647.	13.6	665
123	FANTOM: Functional and taxonomic analysis of metagenomes. BMC Bioinformatics, 2013, 14, 38.	1.2	35
124	Changes in the gut microbiota of cloned and non-cloned control pigs during development of obesity: gut microbiota during development of obesity in cloned pigs. BMC Microbiology, 2013, 13, 30.	1.3	56
125	Transglucosidase improves the gut microbiota profile of type 2 diabetes mellitus patients: a randomized double-blind, placebo-controlled study. BMC Gastroenterology, 2013, 13, 81.	0.8	54
126	Diabetes, obesity and gut microbiota. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2013, 27, 73-83.	1.0	472
127	Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation. Environmental Microbiology Reports, 2013, 5, 765-775.	1.0	171
128	The Gordian Knot of dysbiosis, obesity and NAFLD. Nature Reviews Gastroenterology and Hepatology, 2013, 10, 637-644.	8.2	134
129	Nutrition, the gut microbiome and the metabolic syndrome. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2013, 27, 59-72.	1.0	95
130	Richness of human gut microbiome correlates with metabolic markers. Nature, 2013, 500, 541-546.	13.7	3,641

#	Article	IF	Citations
131	The Human Gut Microbiome. JAMA Surgery, 2013, 148, 563.	2.2	211
132	Bridging immunity and lipid metabolism by gut microbiota. Journal of Allergy and Clinical Immunology, 2013, 132, 253-262.	1.5	61
133	Is butyrate the link between diet, intestinal microbiota and obesityâ€related metabolic diseases?. Obesity Reviews, 2013, 14, 950-959.	3.1	206
134	The gut microbiota and the liver. Pathophysiological and clinical implications. Journal of Hepatology, 2013, 58, 1020-1027.	1.8	119
135	Beneficial Metabolic Effects of a Probiotic via Butyrate-induced GLP-1 Hormone Secretion. Journal of Biological Chemistry, 2013, 288, 25088-25097.	1.6	523
136	Gut microbiota and non-alcoholic fatty liver disease: new insights. Clinical Microbiology and Infection, 2013, 19, 338-348.	2.8	196
137	Fighting Obesity with Bacteria. Science, 2013, 341, 1069-1070.	6.0	98
138	Diet-Microbiota Interactions and Their Implications for Healthy Living. Nutrients, 2013, 5, 234-252.	1.7	174
139	Polyphenols and type 2 diabetes: A prospective review. PharmaNutrition, 2013, 1, 105-114.	0.8	106
140	Genomics and metagenomics in medical microbiology. Journal of Microbiological Methods, 2013, 95, 415-424.	0.7	69
141	Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. Science, 2013, 341, 1241214.	6.0	3,006
142	Bacteriotherapy for the treatment of intestinal dysbiosis caused by Clostridium difficile infection. Current Opinion in Microbiology, 2013, 16, 596-601.	2.3	41
143	Interactions between gut microbiota, food and the obese host. Trends in Food Science and Technology, 2013, 34, 44-53.	7.8	21
144	Microbial ecosystems therapeutics: a new paradigm in medicine?. Beneficial Microbes, 2013, 4, 53-65.	1.0	106
145	Metabolic Syndrome and Obesity in Adults. World Review of Nutrition and Dietetics, 2013, , 103-121.	0.1	1
146	Related actions of probiotics and antibiotics on gut microbiota and weight modification. Lancet Infectious Diseases, The, 2013, 13, 889-899.	4.6	154
147	Assessing the Human Gut Microbiota in Metabolic Diseases. Diabetes, 2013, 62, 3341-3349.	0.3	384
148	Fiber from a regular diet is directly associated with fecal short-chain fatty acid concentrations in the elderly. Nutrition Research, 2013, 33, 811-816.	1.3	70

#	Article	IF	Citations
149	How Microbiomes Influence Metazoan Development:Insights from History and<i>Drosophila</i>Modeling of Gut-Microbe Interactions. Annual Review of Cell and Developmental Biology, 2013, 29, 571-592.	4.0	128
150	Lactobacillus reuteri and Escherichia coli in the human gut microbiota may predict weight gain associated with vancomycin treatment. Nutrition and Diabetes, 2013, 3, e87-e87.	1.5	74
151	The gut microbiota suppresses insulin-mediated fat accumulation via the short-chain fatty acid receptor GPR43. Nature Communications, 2013, 4, 1829.	5.8	1,089
152	The gut microbiota, obesity and insulin resistance. Molecular Aspects of Medicine, 2013, 34, 39-58.	2.7	506
153	Understanding the role of gut microbes and probiotics in obesity: How far are we?. Pharmacological Research, 2013, 69, 144-155.	3.1	81
154	Microbiota from the distal guts of lean and obese adolescents exhibit partial functional redundancy besides clear differences in community structure. Environmental Microbiology, 2013, 15, 211-226.	1.8	206
155	Divergent metabolic outcomes arising from targeted manipulation of the gut microbiota in diet-induced obesity. Gut, 2013, 62, 220-226.	6.1	235
156	Gut microbiome composition is linked to whole grain-induced immunological improvements. ISME Journal, 2013, 7, 269-280.	4.4	462
157	Barcoded pyrosequencing analysis of the microbial community in a simulator of the human gastrointestinal tract showed a colon region-specific microbiota modulation for two plant-derived polysaccharide blends. Antonie Van Leeuwenhoek, 2013, 103, 409-420.	0.7	19
158	Differential colonization with segmented filamentous bacteria and Lactobacillus murinus do not drive divergent development of diet-induced obesity in C57BL/6 mice. Molecular Metabolism, 2013, 2, 171-183.	3.0	29
159	Short chain fatty acids and their receptors: new metabolic targets. Translational Research, 2013, 161, 131-140.	2.2	251
160	Effect of Lactobacillus salivarius Ls-33 on fecal microbiota in obese adolescents. Clinical Nutrition, 2013, 32, 935-940.	2.3	91
161	Faecal levels of Bifidobacterium and Clostridium coccoides but not plasma lipopolysaccharide are inversely related to insulin and HOMA index in women. Clinical Nutrition, 2013, 32, 1017-1022.	2.3	68
162	Intestinal microbiota in patients with nonalcoholic fatty liver disease. Hepatology, 2013, 58, 120-127.	3.6	602
163	Hippurate: The Natural History of a Mammalianâ€“Microbial Cometabolite. Journal of Proteome Research, 2013, 12, 1527-1546.	1.8	263
164	Gut microbiota, host health, and polysaccharides. Biotechnology Advances, 2013, 31, 318-337.	6.0	181
165	Suggested involvement of ketone bodies in the pathogenesis of the metabolic syndrome. Medical Hypotheses, 2013, 80, 578-581.	0.8	2
166	Gut bacterial microbiota and obesity. Clinical Microbiology and Infection, 2013, 19, 305-313.	2.8	232

#	Article	IF	Citations
167	Implications of the human microbiome in inflammatory bowel diseases. FEMS Microbiology Letters, 2013, 342, 10-17.	0.7	50
168	Metagenomic sequencing of the human gut microbiome before and after bariatric surgery in obese patients with type 2 diabetes: correlation with inflammatory and metabolic parameters. Pharmacogenomics Journal, 2013, 13, 514-522.	0.9	380
169	The type and quantity of dietary fat and carbohydrate alter faecal microbiome and short-chain fatty acid excretion in a metabolic syndrome â€˜at-riskâ€™ population. International Journal of Obesity, 2013, 37, 216-223.	1.6	367
170	The Gut Microbiota. , 2013, , 3-24.		18
171	Compression-based distance (CBD): a simple, rapid, and accurate method for microbiota composition comparison. BMC Bioinformatics, 2013, 14, 136.	1.2	5
172	Human intestinal microbiota composition is associated with local and systemic inflammation in obesity. Obesity, 2013, 21, E607-15.	1.5	469
173	Supplementation of Lactobacillus curvatus HY7601 and Lactobacillus plantarum KY1032 in Diet-Induced Obese Mice Is Associated with Gut Microbial Changes and Reduction in Obesity. PLoS ONE, 2013, 8, e59470.	1.1	249
174	Effect of antibiotic treatment on intestinal microbial and enzymatic development in postnatally overfed obese rats. Obesity, 2013, 21, 1635-1642.	1.5	9
175	Metabolomics approaches for characterizing metabolic interactions between host and its commensal microbes. Electrophoresis, 2013, 34, 2787-2798.	1.3	53
176	Intestinal epithelial barrier function in liver cirrhosis: an extensive review of the literature. Liver International, 2013, 33, 1457-1469.	1.9	101
177	Carbohydrates and satiety *. , 2013, , 166-181.		2
178	From molecules to dynamic biological communities. Biology and Philosophy, 2013, 28, 241-259.	0.7	12
179	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. Gut, 2013, 62, 1112-1121.	6.1	632
180	The intricate association between gut microbiota and development of Type 1, Type 2 and Type 3 diabetes. Expert Review of Clinical Immunology, 2013, 9, 1031-1041.	1.3	66
181	The role of short-chain fatty acids in the interplay between diet, gut microbiota, and host energy metabolism. Journal of Lipid Research, 2013, 54, 2325-2340.	2.0	3,292
182	Impact of Dietary Fiber Fermentation from Cereal Grains on Metabolite Production by the Fecal Microbiota from Normal Weight and Obese Individuals. Journal of Medicinal Food, 2013, 16, 862-867.	0.8	46
183	Activation of Prostaglandin E Receptor 4 Triggers Secretion of Gut Hormone Peptides GLP-1, GLP-2, and PYY. Endocrinology, 2013, 154, 45-53.	1.4	18
184	Microbiota conservation and BMI signatures in adult monozygotic twins. ISME Journal, 2013, 7, 707-717.	4.4	311

#	Article	IF	Citations
185	The association of gut microbiota with body weight and body mass index in preschool children of Estonia. Microbial Ecology in Health and Disease, 2013, 24, .	3.8	18
186	Changes in gut microbiota due to supplemented fatty acids in diet-induced obese mice. British Journal of Nutrition, 2013, 110, 711-720.	1.2	168
187	Influence of Gut Microbiota on Subclinical Inflammation and Insulin Resistance. Mediators of Inflammation, 2013, 2013, 1-13.	1.4	111
188	Antimicrobials. Gut Microbes, 2013, 4, 48-53.	4.3	24
189	A Mixture of trans-Galactooligosaccharides Reduces Markers of Metabolic Syndrome and Modulates the Fecal Microbiota and Immune Function of Overweight Adults. Journal of Nutrition, 2013, 143, 324-331.	1.3	271
191	Habitual Dietary Intake Is Associated with Stool Microbiota Composition in Monozygotic Twins. Journal of Nutrition, 2013, 143, 417-423.	1.3	110
192	Comparative fermentation of insoluble carbohydrates in an in vitro human feces model spiked with <i>Lactobacillus acidophilus</i> NCFM. Starch/Staerke, 2013, 65, 346-353.	1.1	6
193	Modulation of inflammatory and immune responses by short-chain fatty acids. , 2013, , 435-458.		8
194	Role of the gut microbiota in health and chronic gastrointestinal disease: understanding a hidden metabolic organ. Therapeutic Advances in Gastroenterology, 2013, 6, 295-308.	1.4	642
195	Reshaping the Gut Microbiota at an Early Age: Functional Impact on Obesity Risk?. Annals of Nutrition and Metabolism, 2013, 63, 17-26.	1.0	34
196	The effect of high-fat diet on the composition of the gut microbiota in cloned and non-cloned pigs of lean and obese phenotype. Gut Microbes, 2013, 4, 371-381.	4.3	22
197	Correlation between body mass index and gut concentrations of Lactobacillus reuteri, Bifidobacterium animalis, Methanobrevibacter smithii and Escherichia coli. International Journal of Obesity, 2013, 37, 1460-1466.	1.6	315
198	Intestinal microbiota in functional bowel disorders: a Rome foundation report. Gut, 2013, 62, 159-176.	6.1	776
199	Age, Dietary Fiber, Breath Methane, and Fecal Short Chain Fatty Acids Are Interrelated in Archaea-Positive Humans1â€“3. Journal of Nutrition, 2013, 143, 1269-1275.	1.3	36
200	Use of pigs as a potential model for research into dietary modulation of the human gut microbiota. Nutrition Research Reviews, 2013, 26, 191-209.	2.1	275
201	Developmental Programming of Pediatric Nonalcoholic Fatty Liver Disease. Clinical Obstetrics and Gynecology, 2013, 56, 577-590.	0.6	36
202	Higher level of faecal SCFA in women correlates with metabolic syndrome risk factors. British Journal of Nutrition, 2013, 109, 914-919.	1.2	102
203	The Role of Gut Microbiota on Insulin Resistance. Nutrients, 2013, 5, 829-851.	1.7	184

#	Article	IF	Citations
204	Human Microbiome and Diseases. , 2013, , 235-249.		4
206	Gut Microbiota Contributes to the Growth of Fast-Growing Transgenic Common Carp (Cyprinus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	116
207	Obesity in the United States â€“ Dysbiosis from Exposure to Low-Dose Antibiotics?. Frontiers in Public Health, 2013, 1, 69.	1.3	84
209	Faecal Microbiota of Cats with Insulin-Treated Diabetes Mellitus. PLoS ONE, 2014, 9, e108729.	1.1	26
210	Comparison of Faecal Microbial Community of Lantang, Bama, Erhualian, Meishan, Xiaomeishan, Duroc, Landrace, and Yorkshire Sows. Asian-Australasian Journal of Animal Sciences, 2014, 27, 898-906.	2.4	64
211	Microbiota in Obesity. Interdisciplinary Journal of Microinflammation, 2014, 01, .	0.1	0
212	Nonalcoholic Fatty Liver Disease and the Gut Microbiota: Exploring the Connection. , 2014, 04, .		2
213	Gut-liver axis and probiotics: Their role in non-alcoholic fatty liver disease. World Journal of Gastroenterology, 2014, 20, 15518.	1.4	162
214	Diversity: From Diet to Flora to Life. Global Advances in Health and Medicine, 2014, 3, 6-8.	0.7	2
215	Higher blood glucose level associated with body mass index and gut microbiota in elderly people. Microbial Ecology in Health and Disease, 2014, 25, .	3.8	31
216	The potential beneficial role of faecal microbiota transplantation in diseases other than Clostridium difficile infection. Clinical Microbiology and Infection, 2014, 20, 1119-1125.	2.8	36
217	Metaâ€analyses of human gut microbes associated with obesity and IBD. FEBS Letters, 2014, 588, 4223-4233.	1.3	697
218	Short-Chain Fatty Acids Enhance Adipocyte Differentiation in the Stromal Vascular Fraction of Porcine Adipose Tissue. Journal of Nutrition, 2014, 144, 1887-1895.	1.3	82
219	The gut microbiota of Colombians differs from that of Americans, Europeans and Asians. BMC Microbiology, 2014, 14, 311.	1.3	178
220	Effect of<i>Lactobacillus rhamnosus</i>CGMCC1.3724 supplementation on weight loss and maintenance in obese men and women. British Journal of Nutrition, 2014, 111, 1507-1519.	1.2	272
221	Adiposity, gut microbiota and faecal short chain fatty acids are linked in adult humans. Nutrition and Diabetes, 2014, 4, e121-e121.	1.5	503
222	Compositional dynamics of the human intestinal microbiota with aging: Implications for health. Journal of Nutrition, Health and Aging, 2014, 18, 773-786.	1.5	64
223	Intestinal microbiota in metabolic diseases. Gut Microbes, 2014, 5, 544-551.	4.3	170

#	Article	IF	Citations
224	Obesity as a Consequence of Gut Bacteria and Diet Interactions. ISRN Obesity, 2014, 2014, 1-8.	2.2	41
225	Gut Microbioma Population: An Indicator Really Sensible to Any Change in Age, Diet, Metabolic Syndrome, and Life-Style. Mediators of Inflammation, 2014, 2014, 1-11.	1.4	57
226	Applications of Next-Generation Sequencing Technologies to the Study of the Human Microbiome. Comprehensive Analytical Chemistry, 2014, , 75-106.	0.7	0
227	Clostridium ramosum Promotes High-Fat Diet-Induced Obesity in Gnotobiotic Mouse Models. MBio, 2014, 5, e01530-14.	1.8	176
228	Developmental origins of nonalcoholic fatty liver disease. Pediatric Research, 2014, 75, 140-147.	1.1	115
229	Endotoxemia unrequired in the pathogenesis of pediatric nonalcoholic steatohepatitis. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 1292-1298.	1.4	57
230	Effect of <scp>d</scp>â€fagomine on excreted enterobacteria and weight gain in rats fed a highâ€fat highâ€sucrose diet. Obesity, 2014, 22, 976-979.	1.5	23
231	Changes in mouse gastrointestinal microbial ecology with ingestion of kale. Beneficial Microbes, 2014, 5, 345-349.	1.0	8
232	Diet and Feeding Pattern Affect the Diurnal Dynamics of the Gut Microbiome. Cell Metabolism, 2014, 20, 1006-1017.	7.2	655
233	Role of gut microbiota: Obesity and NAFLD. Turkish Journal of Gastroenterology, 2014, 25, 133-140.	0.4	56
234	Probiotics to Treat Visceral Obesity and Related Liver Disease. , 2014, , 363-380.		1
235	â€˜The way to a man's heart is through his gut microbiotaâ€™ â€" dietary pro- and prebiotics for the management of cardiovascular risk. Proceedings of the Nutrition Society, 2014, 73, 172-185.	0.4	108
236	Gut microbiota composition and its effects on obesity and insulin resistance. Current Opinion in Clinical Nutrition and Metabolic Care, 2014, 17, 312-318.	1.3	51
237	Effect of diet on the intestinal microbiota and its activity. Current Opinion in Gastroenterology, 2014, 30, 189-195.	1.0	74
238	Protein Quality and the Protein to Carbohydrate Ratio within a High Fat Diet Influences Energy Balance and the Gut Microbiota In C57BL/6J Mice. PLoS ONE, 2014, 9, e88904.	1.1	77
242	The Role and Influence of Gut Microbiota in Pathogenesis and Management of Obesity and Metabolic Syndrome. Frontiers in Endocrinology, 2014, 5, 47.	1.5	78
243	The Gut Microbiota and Effects on Metabolism. , 2014, , 508-526.		4
244	Gut microbiota and metabolic syndrome. World Journal of Gastroenterology, 2014, 20, 16079.	1.4	405

#	Article	IF	Citations
245	Impact of dietary fatty acids on metabolic activity and host intestinal microbiota composition in C57BL/6J mice. British Journal of Nutrition, 2014, 111, 1905-1917.	1.2	152
246	Inulin and Health Benefits. , 2014, , 1-36.		0
248	Comment to: Luo et al. (2013) Int J Cardiol. 168(4):4454â€"6. International Journal of Cardiology, 2014, 172, 512-514.	0.8	5
249	The anti-obesity effect of Ephedra sinica through modulation of gut microbiota in obese Korean women. Journal of Ethnopharmacology, 2014, 152, 532-539.	2.0	76
250	The Microbiome in Inflammatory Bowel Disease: Current Status and the Future Ahead. Gastroenterology, 2014, 146, 1489-1499.	0.6	1,374
251	Microbiota and epigenetic regulation of inflammatory mediators in type 2 diabetes and obesity. Beneficial Microbes, 2014, 5, 33-43.	1.0	107
252	Role of the Microbiome in Energy Regulation and Metabolism. Gastroenterology, 2014, 146, 1525-1533.	0.6	354
253	Excess body weight during pregnancy and offspring obesity: Potential mechanisms. Nutrition, 2014, 30, 245-251.	1.1	29
254	Analysis of the Gut Microbiota by High-Throughput Sequencing of the V5â€"V6 Regions of the 16S rRNA Gene in Donkey. Current Microbiology, 2014, 68, 657-662.	1.0	41
255	Stability of the Maternal Gut Microbiota During Late Pregnancy and Early Lactation. Current Microbiology, 2014, 68, 419-427.	1.0	126
256	Clinical detection of human probiotics and human pathogenic bacteria by using a novel high-throughput platform based on next generation sequencing. Journal of Clinical Bioinformatics, 2014, 4, 1.	1.2	11
257	Effects of short chain fatty acid producing bacteria on epigenetic regulation of FFAR3 in type 2 diabetes and obesity. Gene, 2014, 537, 85-92.	1.0	257
258	The Human Gut Microbiome and Its Role in Obesity and the Metabolic Syndrome. , 2014, , 71-105.		4
259	Gut microbiota in older subjects: variation, health consequences and dietary intervention prospects. Proceedings of the Nutrition Society, 2014, 73, 441-451.	0.4	33
260	The gut microbiome as novel cardio-metabolic target: the time has come!. European Heart Journal, 2014, 35, 883-887.	1.0	67
261	Microbiota-Generated Metabolites Promote Metabolic Benefits via Gut-Brain Neural Circuits. Cell, 2014, 156, 84-96.	13.5	1,615
262	Bifidobacteria: their impact on gut microbiota composition and their applications as probiotics in infants. Applied Microbiology and Biotechnology, 2014, 98, 563-577.	1.7	165
263	Intestinal microbiota, diet and health. British Journal of Nutrition, 2014, 111, 387-402.	1.2	371

#	Article	IF	Citations
264	Role of Protocatechuic Acid in Obesity-Related Pathologies. , 2014, , 177-189.		3
265	Human Genetics Shape the Gut Microbiome. Cell, 2014, 159, 789-799.	13.5	2,523
266	Intestinal microbiota and faecal transplantation as treatment modality for insulin resistance and type 2 diabetes mellitus. Clinical and Experimental Immunology, 2014, 177, 24-29.	1.1	85
267	Evidence for greater production of colonic short-chain fatty acids in overweight than lean humans. International Journal of Obesity, 2014, 38, 1525-1531.	1.6	211
268	Prebiotic effects of cassava bagasse in TNO's in vitro model of the colon in lean versus obese microbiota. Journal of Functional Foods, 2014, 11, 210-220.	1.6	48
269	Structural changes in the gut microbiome of constipated patients. Physiological Genomics, 2014, 46, 679-686.	1.0	271
270	Xylooligosaccharide increases bifidobacteria but not lactobacilli in human gut microbiota. Food and Function, 2014, 5, 436.	2.1	177
271	Compositional dynamics of the human intestinal microbiota with aging: Implications for health. Journal of Nutrition, Health and Aging, 0, , .	1.5	5
272	Temporal Dynamics of the Cecal Gut Microbiota of Juvenile Arctic Ground Squirrels: a Strong Litter Effect across the First Active Season. Applied and Environmental Microbiology, 2014, 80, 4260-4268.	1.4	15
273	Yellow pea fiber improves glycemia and reduces Clostridium leptum in diet-induced obese rats. Nutrition Research, 2014, 34, 714-722.	1.3	36
274	Long-term dietary pattern of fecal donor correlates with butyrate production and markers of protein fermentation during in vitro fecal fermentation. Nutrition Research, 2014, 34, 749-759.	1.3	38
275	Effects of almond and pistachio consumption on gut microbiota composition in a randomised cross-over human feeding study. British Journal of Nutrition, 2014, 111, 2146-2152.	1.2	120
276	Is eating behavior manipulated by the gastrointestinal microbiota? Evolutionary pressures and potential mechanisms. BioEssays, 2014, 36, 940-949.	1.2	328
277	Minireview: Gut Microbiota: The Neglected Endocrine Organ. Molecular Endocrinology, 2014, 28, 1221-1238.	3.7	835
278	Collateral Damage: Microbiota-Derived Metabolites and Immune Function in the Antibiotic Era. Cell Host and Microbe, 2014, 16, 156-163.	5.1	50
279	Oral Administration of <i>Lactobacillus fermentum</i> I5007 Favors Intestinal Development and Alters the Intestinal Microbiota in Formula-Fed Piglets. Journal of Agricultural and Food Chemistry, 2014, 62, 860-866.	2.4	167
280	The Gut-Adipose-Liver Axis in the Metabolic Syndrome. Physiology, 2014, 29, 304-313.	1.6	65
281	Postnatal Prebiotic Fiber Intake in Offspring Exposed to Gestational Protein Restriction Has Sex-Specific Effects on Insulin Resistance and Intestinal Permeability in Rats. Journal of Nutrition, 2014, 144, 1556-1563.	1.3	11

#	Article	IF	Citations
282	Gut microbiota and obesity: Role in aetiology and potential therapeutic target. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2014, 28, 585-597.	1.0	92
283	Exercise induction of gut microbiota modifications in obese, non-obese and hypertensive rats. BMC Genomics, 2014, 15, 511.	1.2	244
284	Short-term periodic consumption of multiprobiotic from childhood improves insulin sensitivity, prevents development of non-alcoholic fatty liver disease and adiposity in adult rats with glutamate-induced obesity. BMC Complementary and Alternative Medicine, 2014, 14, 247.	3.7	49
285	Artificial sweeteners induce glucose intolerance by altering the gut microbiota. Nature, 2014, 514, 181-186.	13.7	1,529
286	Gut microbiota, the pharmabiotics they produce and host health. Proceedings of the Nutrition Society, 2014, 73, 477-489.	0.4	126
287	Modulation of the Gut Microbiota by Nutrients with Prebiotic and Probiotic Properties. Advances in Nutrition, 2014, 5, 624S-633S.	2.9	92
288	Chlorinated Persistent Organic Pollutants, Obesity, and Type 2 Diabetes. Endocrine Reviews, 2014, 35, 557-601.	8.9	346
289	Correlation network analysis reveals relationships between diet-induced changes in human gut microbiota and metabolic health. Nutrition and Diabetes, 2014, 4, e122-e122.	1.5	84
291	Endotoxemia of Metabolic Syndrome: A Pivotal Mediator of Meta-Inflammation. Metabolic Syndrome and Related Disorders, 2014, 12, 454-456.	0.5	34
292	Synbiotic<i>Lactobacillus acidophilus</i>NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial. FEMS Microbiology Ecology, 2014, 90, 225-236.	1.3	40
293	Mapping the Inner Workings of the Microbiome: Genomic- and Metagenomic-Based Study of Metabolism and Metabolic Interactions in the Human Microbiome. Cell Metabolism, 2014, 20, 742-752.	7.2	76
294	Microbiota and diabetes: an evolving relationship. Gut, 2014, 63, 1513-1521.	6.1	631
295	The gastrointestinal microbiota and multi-strain probiotic therapy: In children and adolescent obesity. Advances in Integrative Medicine, 2014, 1, 2-8.	0.4	4
296	The clinical significance of the gut microbiota in cystic fibrosis and the potential for dietary therapies. Clinical Nutrition, 2014, 33, 571-580.	2.3	52
297	Ecology and characteristics of methanogenic archaea in animals and humans. Critical Reviews in Microbiology, 2014, 40, 97-116.	2.7	61
298	Mechanistic links between gut microbial community dynamics, microbial functions and metabolic health. World Journal of Gastroenterology, 2014, 20, 16498.	1.4	89
299	The Role of the gut Microbiome in the Pathogenesis and Treatment of Obesity. Global Advances in Health and Medicine, 2014, 3, 44-57.	0.7	43
300	Genetically identical co-housed pigs as models for dietary studies of gut microbiomes. Microbiome Science and Medicine, 2014, 1, .	0.3	3

#	Article	IF	Citations
302	Towards microbial fermentation metabolites as markers for health benefits of prebiotics. Nutrition Research Reviews, 2015, 28, 42-66.	2.1	251
303	Comparisons of blood biochemical parameters, digestive enzyme activities and volatile fatty acid profile between Meishan and Yorkshire piglets. Animal Nutrition, 2015, 1, 289-292.	2.1	2
304	Gut microbiota manipulation with prebiotics in patients with non-alcoholic fatty liver disease: a randomized controlled trial protocol. BMC Gastroenterology, 2015, 15, 169.	0.8	59
305	Could the beneficial effects of dietary calcium on obesity and diabetes control be mediated by changes in intestinal microbiota and integrity?. British Journal of Nutrition, 2015, 114, 1756-1765.	1.2	53
306	Betaâ€diversity metrics of the upper digestive tract microbiome are associated with body mass index. Obesity, 2015, 23, 862-869.	1.5	29
307	Systematic review: microbial dysbiosis and nonalcoholic fatty liver disease. Alimentary Pharmacology and Therapeutics, 2015, 42, 1051-1063.	1.9	167
308	The stool microbiota of insulin resistant women with recent gestational diabetes, a high risk group for type 2 diabetes. Scientific Reports, 2015, 5, 13212.	1.6	105
309	Microbiota prevents cholesterol loss from the body by regulating host gene expression in mice. Scientific Reports, 2015, 5, 10512.	1.6	46
310	Dysbiosis of the gut microbiota in disease. Microbial Ecology in Health and Disease, 2015, 26, 26191.	3.8	949
312	Fecal microbiota transplantation broadening its application beyond intestinal disorders. World Journal of Gastroenterology, 2015, 21, 102.	1.4	190
313	Effect of ethnicity and socioeconomic variation to the gut microbiota composition among pre-adolescent in Malaysia. Scientific Reports, 2015, 5, 13338.	1.6	68
314	Inflammation-associated microbiota in pediatric eosinophilic esophagitis. Microbiome, 2015, 3, 23.	4.9	128
315	Influence of high-fat diet on gut microbiota. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 515-520.	1.3	387
316	Gut colonization with <i>methanobrevibacter smithii</i> is associated with childhood weight development. Obesity, 2015, 23, 2508-2516.	1.5	49
317	The Intestinal Microbiome in Bariatric Surgery Patients. European Eating Disorders Review, 2015, 23, 496-503.	2.3	34
318	Targeting fatty acid metabolism to improve glucose metabolism. Obesity Reviews, 2015, 16, 715-757.	3.1	113
319	Persistent Organic Pollutants Modify Gut Microbiotaâ€“Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. Environmental Health Perspectives, 2015, 123, 679-688.	2.8	262
320	New-found link between microbiota and obesity. World Journal of Gastrointestinal Pathophysiology, 2015, 6, 110.	0.5	313

#	Article	IF	Citations
321	Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. Frontiers in Immunology, 2015, 6, 512.	2.2	145
322	Does the Gut Microbiota Contribute to Obesity? Going beyond the Gut Feeling. Microorganisms, 2015, 3, 213-235.	1.6	38
323	The Gut Microbiota as a Therapeutic Target in IBD and Metabolic Disease: A Role for the Bile Acid Receptors FXR and TGR5. Microorganisms, 2015, 3, 641-666.	1.6	61
324	Gut Microbiota and Host Reaction in Liver Diseases. Microorganisms, 2015, 3, 759-791.	1.6	47
325	Metabolic and Microbial Modulation of the Large Intestine Ecosystem by Non-Absorbed Diet Phenolic Compounds: A Review. Molecules, 2015, 20, 17429-17468.	1.7	174
326	The Impact of Diet and Lifestyle on Gut Microbiota and Human Health. Nutrients, 2015, 7, 17-44.	1.7	1,108
327	The Infant Gut Microbiome: Evidence for Obesity Risk and Dietary Intervention. Nutrients, 2015, 7, 2237-2260.	1.7	128
328	Apples and Cardiovascular Healthâ€"Is the Gut Microbiota a Core Consideration?. Nutrients, 2015, 7, 3959-3998.	1.7	121
329	Quantification of in Vivo Colonic Short Chain Fatty Acid Production from Inulin. Nutrients, 2015, 7, 8916-8929.	1.7	127
330	Metabolomic insights into the intricate gut microbialâ€"host interaction in the development of obesity and type 2 diabetes. Frontiers in Microbiology, 2015, 6, 1151.	1.5	108
331	Modulation of Voltage-Gated Ca2+ Channels by G Protein-Coupled Receptors in Celiac-Mesenteric Ganglion Neurons of Septic Rats. PLoS ONE, 2015, 10, e0125566.	1.1	3
332	Exercise Is More Effective at Altering Gut Microbial Composition and Producing Stable Changes in Lean Mass in Juvenile versus Adult Male F344 Rats. PLoS ONE, 2015, 10, e0125889.	1.1	150
333	Changes in Gut Microbiota in Rats Fed a High Fat Diet Correlate with Obesity-Associated Metabolic Parameters. PLoS ONE, 2015, 10, e0126931.	1.1	353
334	Archaea in and on the Human Body: Health Implications and Future Directions. PLoS Pathogens, 2015, 11, e1004833.	2.1	98
335	Obesity Alters the Microbial Community Profile in Korean Adolescents. PLoS ONE, 2015, 10, e0134333.	1.1	129
336	Bacterial Landscape of Bloodstream Infections in Neutropenic Patients via High Throughput Sequencing. PLoS ONE, 2015, 10, e0135756.	1.1	43
337	Lactobacillus casei Shirota Supplementation Does Not Restore Gut Microbiota Composition and Gut Barrier in Metabolic Syndrome: A Randomized Pilot Study. PLoS ONE, 2015, 10, e0141399.	1.1	45
338	Design and Investigation of PolyFermS In Vitro Continuous Fermentation Models Inoculated with Immobilized Fecal Microbiota Mimicking the Elderly Colon. PLoS ONE, 2015, 10, e0142793.	1.1	59

#	Article	IF	Citations
339	Application of iChip to Grow â€œUncultivableâ€•Microorganisms and its Impact on Antibiotic Discovery. Journal of Pharmacy and Pharmaceutical Sciences, 2015, 18, 303.	0.9	34
340	Fermented Green Tea Extract Alleviates Obesity and Related Complications and Alters Gut Microbiota Composition in Diet-Induced Obese Mice. Journal of Medicinal Food, 2015, 18, 549-556.	0.8	113
341	Human Microbiota-Associated Swine: Current Progress and Future Opportunities. ILAR Journal, 2015, 56, 63-73.	1.8	91
342	The art of targeting gut microbiota for tackling human obesity. Genes and Nutrition, 2015, 10, 472.	1.2	17
343	Gut-Microbiota-Brain Axis and Its Effect on Neuropsychiatric Disorders With Suspected Immune Dysregulation. Clinical Therapeutics, 2015, 37, 984-995.	1.1	437
344	Effects of dietary inulin on bacterial growth, short-chain fatty acid production and hepatic lipid metabolism in gnotobiotic mice. Journal of Nutritional Biochemistry, 2015, 26, 929-937.	1.9	158
345	Malnutrition, Immunodeficiency, and Mucosal Infection. , 2015, , 1461-1479.		1
346	Porcine models of digestive disease: the future of large animal translational research. Translational Research, 2015, 166, 12-27.	2.2	164
347	GPR43 Potentiates Î²-Cell Function in Obesity. Diabetes, 2015, 64, 3203-3217.	0.3	162
348	Future Perspectives of Personalized Weight Loss Interventions Based on Nutrigenetic, Epigenetic, and Metagenomic Data. Journal of Nutrition, 2016, 146, 905S-912S.	1.3	57
349	Gut microbiota and non-alcoholic fatty liver disease. Hepatobiliary and Pancreatic Diseases International, 2015, 14, 572-581.	0.6	61
350	Using metabolomics to analyse the role of gut microbiota in nutrition and disease. , 2015, , 115-136.		1
351	Shifts in microbiota species and fermentation products in a dietary model enriched in fat and sucrose. Beneficial Microbes, 2015, 6, 97-111.	1.0	28
352	The role of gut microbiota in the development of type 1, type 2 diabetes mellitus and obesity. Reviews in Endocrine and Metabolic Disorders, 2015, 16, 55-65.	2.6	207
353	How informative is the mouse for human gut microbiota research?. DMM Disease Models and Mechanisms, 2015, 8, 1-16.	1.2	990
354	The intestinal microbiota composition and weight development in children: the KOALA Birth Cohort Study. International Journal of Obesity, 2015, 39, 16-25.	1.6	117
355	An Apple a Day Keeps the Doctor Away â€“ Inter-Relationship Between Apple Consumption, the Gut Microbiota and Cardiometabolic Disease Risk Reduction. , 2015, , 173-194.		9
356	Impacts of infection with different toxigenic Clostridium difficile strains on faecal microbiota in children. Scientific Reports, 2014, 4, 7485.	1.6	150

#	Article	IF	Citations
357	Metabolic syndrome and nonalcoholic fatty liver disease: Is insulin resistance the link?. Molecular and Cellular Endocrinology, 2015, 418, 55-65.	1.6	244
358	Alteration of gut microbiota by vancomycin and bacitracin improves insulin resistance<i>via</i>glucagonâ€like peptide 1 in dietâ€induced obesity. FASEB Journal, 2015, 29, 2397-2411.	0.2	177
359	Mechanisms underlying weight loss and metabolic improvements in rodent models of bariatric surgery. Diabetologia, 2015, 58, 211-220.	2.9	54
360	Gut microbiota and obesity: Involvement of the adipose tissue. Journal of Functional Foods, 2015, 14, 407-423.	1.6	32
361	The multifactorial interplay of diet, the microbiome and appetite control: current knowledge and future challenges. Proceedings of the Nutrition Society, 2015, 74, 235-244.	0.4	14
362	Obesity and the microbiome. Expert Review of Gastroenterology and Hepatology, 2015, 9, 1087-1099.	1.4	127
363	Methanogen communities in stools of humans of different age and health status and co-occurrence with bacteria. FEMS Microbiology Letters, 2015, 362, fnv092.	0.7	50
364	Specific gut microbiota features and metabolic markers in postmenopausal women with obesity. Nutrition and Diabetes, 2015, 5, e159-e159.	1.5	206
365	Significant differences in fecal microbiota are associated with various stages of glucose tolerance in African American male veterans. Translational Research, 2015, 166, 401-411.	2.2	59
366	Transmissible microbial and metabolomic remodeling by soluble dietary fiber improves metabolic homeostasis. Scientific Reports, 2015, 5, 10604.	1.6	77
367	Pomegranate ellagitannins stimulate growth of gut bacteria inÂvitro: Implications for prebiotic and metabolic effects. Anaerobe, 2015, 34, 164-168.	1.0	87
368	About the gut microbiome as a pharmacological target in atherosclerosis. European Journal of Pharmacology, 2015, 763, 75-78.	1.7	11
369	The role of bile acids in reducing the metabolic complications of obesity after bariatric surgery: a systematic review. International Journal of Obesity, 2015, 39, 1565-1574.	1.6	120
370	Propionic acid and butyric acid inhibit lipolysis and de novo lipogenesis and increase insulin-stimulated glucose uptake in primary rat adipocytes. Adipocyte, 2015, 4, 81-88.	1.3	76
371	Microbe-based approaches for the treatment of diabetes. Diabetes Management, 2015, 5, 139-142.	0.5	1
372	Role of Microbiota in Regulating Host Lipid Metabolism and Disease Risk. Molecular and Integrative Toxicology, 2015, , 235-260.	0.5	1
373	The role of short chain fatty acids in appetite regulation and energy homeostasis. International Journal of Obesity, 2015, 39, 1331-1338.	1.6	468
374	The Influence of the Gut Microbiome on Obesity, Metabolic Syndrome and Gastrointestinal Disease. Clinical and Translational Gastroenterology, 2015, 6, e91.	1.3	177

#	Article	IF	Citations
375	Schisandra chinensis fruit modulates the gut microbiota composition in association with metabolic markers in obese women: a randomized, double-blind placebo-controlled study. Nutrition Research, 2015, 35, 655-663.	1.3	55
376	The Role of Microbial Amino Acid Metabolism in Host Metabolism. Nutrients, 2015, 7, 2930-2946.	1.7	656
377	Archaea associated with human surfaces: not to be underestimated. FEMS Microbiology Reviews, 2015, 39, 631-648.	3.9	88
378	Weight Loss and the Prevention and Treatment of Type 2 Diabetes Using Lifestyle Therapy, Pharmacotherapy, and Bariatric Surgery: Mechanisms of Action. Current Obesity Reports, 2015, 4, 287-302.	3.5	97
379	Effect of Prebiotic Fiber Intake on Adiposity and Inflammation in Overweight and Obese Children: Assessing the Role of the Gut Microbiota. Canadian Journal of Diabetes, 2015, 39, S43.	0.4	7
380	The role of the gut microbiota in metabolic health. FASEB Journal, 2015, 29, 3111-3123.	0.2	167
381	Interactive effects of oligofructose and obesity predisposition on gut hormones and microbiota in dietâ€induced obese rats. Obesity, 2015, 23, 769-778.	1.5	57
382	Understanding the Benefits of Bariatric Surgery on Gut Physiology: Implications for Obesity, Type 2 Diabetes, and Cardiovascular Disease. Molecular and Integrative Toxicology, 2015, , 343-370.	0.5	0
383	Comparison of the gut microbiota of people in France and Saudi Arabia. Nutrition and Diabetes, 2015, 5, e153-e153.	1.5	100
384	TLR4 at the Crossroads of Nutrients, Gut Microbiota, and Metabolic Inflammation. Endocrine Reviews, 2015, 36, 245-271.	8.9	212
386	Non-caloric artificial sweeteners and the microbiome: findings and challenges. Gut Microbes, 2015, 6, 149-155.	4.3	152
387	The Perinatal Microbiome and Pregnancy: Moving Beyond the Vaginal Microbiome. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a023051-a023051.	2.9	101
388	Fermented Rhizoma Atractylodis Macrocephalae alleviates high fat diet-induced obesity in association with regulation of intestinal permeability and microbiota in rats. Scientific Reports, 2015, 5, 8391.	1.6	78
390	Microbiota Regulation of the Mammalian Gutâ€"Brain Axis. Advances in Applied Microbiology, 2015, 91, 1-62.	1.3	207
391	Potential anti-obesogenic properties of non-digestible carbohydrates: specific focus on resistant dextrin. Proceedings of the Nutrition Society, 2015, 74, 258-267.	0.4	19
392	Gut Microbiome and Obesity: A Plausible Explanation for Obesity. Current Obesity Reports, 2015, 4, 250-261.	3.5	154
393	The human gut microbiome, a taxonomic conundrum. Systematic and Applied Microbiology, 2015, 38, 276-286.	1.2	113
394	Microbiota from Obese Mice Regulate Hematopoietic Stem Cell Differentiation by Altering the Bone Niche. Cell Metabolism, 2015, 22, 886-894.	7.2	148

#	Article	IF	Citations
395	Comparison of the gut microbiota composition between obese and non-obese individuals in a Japanese population, as analyzed by terminal restriction fragment length polymorphism and next-generation sequencing. BMC Gastroenterology, 2015, 15, 100.	0.8	436
396	Dysbiotic gut microbiome: A key element of Crohn's disease. Comparative Immunology, Microbiology and Infectious Diseases, 2015, 43, 36-49.	0.7	59
397	Short-chain fatty acids in control of body weight and insulin sensitivity. Nature Reviews Endocrinology, 2015, 11, 577-591.	4.3	1,484
398	Selective FFA2 Agonism Appears to Act via Intestinal PYY to Reduce Transit and Food Intake but Does Not Improve Glucose Tolerance in Mouse Models. Diabetes, 2015, 64, 3763-3771.	0.3	64
399	Obesity, Diet and the Gut Microbiota. Current Nutrition Reports, 2015, 4, 340-347.	2.1	4
400	Role of the Gut Microbiome in Obesity and Diabetes Mellitus. Nutrition in Clinical Practice, 2015, 30, 787-797.	1.1	187
401	<i>In vitro</i> study of the prebiotic xylooligosaccharide (XOS) on the growth of <i>Bifidobacterium</i> spp and <i>Lactobacillus</i> spp. International Journal of Food Sciences and Nutrition, 2015, 66, 919-922.	1.3	71
402	Effects of dietary fiber on cecal short-chain fatty acid and cecal microbiota of broiler and laying-hen chicks. Poultry Science, 2015, 94, 2351-2359.	1.5	100
403	Metabolomic study on the faecal extracts of atherosclerosis mice and its application in a Traditional Chinese Medicine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1007, 140-148.	1.2	7
404	Insights Into the Role of the Microbiome in Obesity and Type 2 Diabetes. Diabetes Care, 2015, 38, 159-165.	4.3	519
405	Nonalcoholic fatty liver disease: A precursor of the metabolic syndrome. Digestive and Liver Disease, 2015, 47, 181-190.	0.4	551
406	Association of Obesity with Serum Leptin, Adiponectin, and Serotonin and Gut Microflora in Beagle Dogs. Journal of Veterinary Internal Medicine, 2015, 29, 43-50.	0.6	87
407	Gut microbiome and nonalcoholic fatty liver diseases. Pediatric Research, 2015, 77, 245-251.	1.1	123
408	Obesityâ€"a disease with many aetiologies disguised in the same oversized phenotype: has the overeating theory failed?. Nephrology Dialysis Transplantation, 2015, 30, 1656-1664.	0.4	25
409	Obesity, inflammation, and the gut microbiota. Lancet Diabetes and Endocrinology,the, 2015, 3, 207-215.	5.5	617
410	Inulin-type fructans modulate intestinal Bifidobacterium species populations and decrease fecal short-chain fatty acids in obese women. Clinical Nutrition, 2015, 34, 501-507.	2.3	220
411	Obesity-Associated Gut Microbiota. , 2015, , 149-171.		3
412	A natural solution for obesity: Bioactives for the prevention and treatment of weight gain. A review. Nutritional Neuroscience, 2015, 18, 49-65.	1.5	113

#	Article	IF	Citations
413	Molecular ecological tools to decipher the role of our microbial mass in obesity. Beneficial Microbes, 2015, 6, 61-81.	1.0	28
414	Intestinal microbiota transplant â€“ current state of knowledge. Reumatologia, 2016, 1, 24-28.	0.5	11
415	Effects of Undaria pinnatifida and Laminaria japonica on Ratâ€™s Intestinal Microbiota and Metabolite. Journal of Nutrition & Food Sciences, 2016, 06, .	1.0	8
416	Bacteriocin production: a relatively unharnessed probiotic trait?. F1000Research, 2016, 5, 2587.	0.8	109
417	Correlating the Gut Microbiome to Health and Disease. , 2016, , 261-291.		5
418	Prebiotics and Probiotics in Aging Population. , 2016, , 693-705.		0
419	The gut microbiota: a key regulator of metabolic diseases. BMB Reports, 2016, 49, 536-541.	1.1	46
420	The Pathogenesis of Nonalcoholic Fatty Liver Disease: Interplay between Diet, Gut Microbiota, and Genetic Background. Gastroenterology Research and Practice, 2016, 2016, 1-13.	0.7	142
421	Effect of <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> GCL2505 on visceral fat accumulation in healthy Japanese adults: a randomized controlled trial. Bioscience of Microbiota, Food and Health, 2016, 35, 163-171.	0.8	42
422	Role of Gut Microbiota in the Aetiology of Obesity: Proposed Mechanisms and Review of the Literature. Journal of Obesity, 2016, 2016, 1-27.	1.1	202
423	Health benefits of fibre, prebiotics and probiotics: a review of intestinal health and related health claims. Quality Assurance and Safety of Crops and Foods, 2016, 8, 539-554.	1.8	30
424	The New Era of Treatment for Obesity and Metabolic Disorders: Evidence and Expectations for Gut Microbiome Transplantation. Frontiers in Cellular and Infection Microbiology, 2016, 6, 15.	1.8	60
425	Gut Microbiota: A Contributing Factor to Obesity. Frontiers in Cellular and Infection Microbiology, 2016, 6, 95.	1.8	70
426	Mucosal Interactions between Genetics, Diet, and Microbiome in Inflammatory Bowel Disease. Frontiers in Immunology, 2016, 7, 290.	2.2	93
427	Postoperative Changes in Fecal Bacterial Communities and Fermentation Products in Obese Patients Undergoing Bilio-Intestinal Bypass. Frontiers in Microbiology, 2016, 7, 200.	1.5	94
428	Interactions between Obesity Status and Dietary Intake of Monounsaturated and Polyunsaturated Oils on Human Gut Microbiome Profiles in the Canola Oil Multicenter Intervention Trial (COMIT). Frontiers in Microbiology, 2016, 7, 1612.	1.5	64
429	Gut Microbiota and Lifestyle Interventions in NAFLD. International Journal of Molecular Sciences, 2016, 17, 447.	1.8	75
430	CST, an Herbal Formula, Exerts Anti-Obesity Effects through Brain-Gut-Adipose Tissue Axis Modulation in High-Fat Diet Fed Mice. Molecules, 2016, 21, 1522.	1.7	26

#	Article	IF	Citations
431	Gut Bacteria and Hydrogen Sulfide: The New Old Players in Circulatory System Homeostasis. Molecules, 2016, 21, 1558.	1.7	112
432	The Intestinal Microbiota in Metabolic Disease. Nutrients, 2016, 8, 202.	1.7	211
433	Lactobacillus plantarum TWK10 Supplementation Improves Exercise Performance and Increases Muscle Mass in Mice. Nutrients, 2016, 8, 205.	1.7	173
434	Impact of a High-Fat or High-Fiber Diet on Intestinal Microbiota and Metabolic Markers in a Pig Model. Nutrients, 2016, 8, 317.	1.7	65
436	Comparison of the gut microbial community between obese and lean peoples using 16S gene sequencing in a Japanese population. Journal of Clinical Biochemistry and Nutrition, 2016, 59, 65-70.	0.6	171
437	The Gut Microbiota from Lean and Obese Subjects Contribute Differently to the Fermentation of Arabinogalactan and Inulin. PLoS ONE, 2016, 11, e0159236.	1.1	65
438	Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013. Journal of Dairy Science, 2016, 99, 6913-6921.	1.4	28
440	Effects of pectin supplementation on the fermentation patterns of different structural carbohydrates in rats. Molecular Nutrition and Food Research, 2016, 60, 2256-2266.	1.5	117
441	Dietâ€"microbiota interactions as moderators of human metabolism. Nature, 2016, 535, 56-64.	13.7	1,602
442	Gut microbiota and type 2 diabetes mellitus. EndocrinologÃa Y NutriciÃ³n (English Edition), 2016, 63, 560-568.	0.5	64
443	The Gut Microbiome. , 2016, , 799-808.		2
444	Dietary and Lifestyle Factors Associated with Colorectal Cancer Risk and Interactions with Microbiota: Fiber, Red or Processed Meat and Alcoholic Drinks. Gastrointestinal Tumors, 2016, 3, 17-24.	0.3	78
446	Oral supplementation of healthy adults with 2â€²-<i>O</i>-fucosyllactose and lacto-<i>N</i>-neotetraose is well tolerated and shifts the intestinal microbiota. British Journal of Nutrition, 2016, 116, 1356-1368.	1.2	148
447	Impact of dietary fiber and fat on gut microbiota re-modeling and metabolic health. Trends in Food Science and Technology, 2016, 57, 201-212.	7.8	48
448	Human microbiome as therapeutic intervention target to reduce cardiovascular disease risk. Current Opinion in Lipidology, 2016, 27, 615-622.	1.2	36
449	Comparison of human gut microbiota in control subjects and patients with colorectal carcinoma in adenoma: Terminal restriction fragment length polymorphism and next-generation sequencing analyses. Oncology Reports, 2016, 35, 325-333.	1.2	102
450	Impact of gut microbiota on diabetes mellitus. Diabetes and Metabolism, 2016, 42, 303-315.	1.4	169
451	The Gut Microbiota and Obesity in Humans. , 2016, , 27-47.		0

#	Article	IF	Citations
452	Gut Microbiota as a Target in the Pathogenesis of Metabolic Disorders: A New Approach to Novel Therapeutic Agents. Hormone and Metabolic Research, 2016, 48, 349-358.	0.7	104
453	The Microbiome in Obesity, Diabetes, and NAFLD: What is Your Gut Telling Us?. Current Hepatology Reports, 2016, 15, 96-102.	0.4	4
454	Reshaping the gut microbiota: Impact of low calorie sweeteners and the link to insulin resistance?. Physiology and Behavior, 2016, 164, 488-493.	1.0	102
455	Probiotic Strain <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> CECT 8145 Reduces Fat Content and Modulates Lipid Metabolism and Antioxidant Response in <i>Caenorhabditis elegans</i>. Journal of Agricultural and Food Chemistry, 2016, 64, 3462-3472.	2.4	58
456	Impact of Hypocaloric Hyperproteic Diet on Gut Microbiota in Overweight or Obese Patients with Nonalcoholic Fatty Liver Disease: A Pilot Study. Digestive Diseases and Sciences, 2016, 61, 2721-2731.	1.1	56
457	Bugging inflammation: role of the gut microbiota. Clinical and Translational Immunology, 2016, 5, e72.	1.7	49
458	The Gut Microbiota in Type 2 Diabetes. , 2016, , 275-293.		0
459	Microbial metabolism of dietary components to bioactive metabolites: opportunities for new therapeutic interventions. Genome Medicine, 2016, 8, 46.	3.6	402
460	The Human Gut Microbiota. Advances in Experimental Medicine and Biology, 2016, 902, 95-108.	0.8	72
461	The Gut Microbiota and their Metabolites: Potential Implications for the Host Epigenome. Advances in Experimental Medicine and Biology, 2016, 902, 33-44.	0.8	49
462	Low energy intake plus low energy expenditure (low energy flux), not energy surfeit, predicts future body fat gain. American Journal of Clinical Nutrition, 2016, 103, 1389-1396.	2.2	35
463	Microbiota y diabetes mellitus tipo 2. Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion, 2016, 63, 560-568.	0.8	111
464	Genetic and Transcriptional Analysis of Human Host Response to Healthy Gut Microbiota. MSystems, 2016, 1, .	1.7	28
465	Causality of small and large intestinal microbiota in weight regulation and insulin resistance. Molecular Metabolism, 2016, 5, 759-770.	3.0	142
466	Non-alcoholic fatty liver and the gut microbiota. Molecular Metabolism, 2016, 5, 782-794.	3.0	193
467	The changing microbial landscape of Western society: Diet, dwellings and discordance. Molecular Metabolism, 2016, 5, 737-742.	3.0	60
468	Association of Intestinal Microbiota with Metabolic Markers and Dietary Habits in Patients with Type 2 Diabetes. Digestion, 2016, 94, 66-72.	1.2	84
469	Hypothesis: solid tumours behave as systemic metabolic dictators. Journal of Cellular and Molecular Medicine, 2016, 20, 1076-1085.	1.6	23

#	Article	IF	Citations
470	Importance of propionate for the repression of hepatic lipogenesis and improvement of insulin sensitivity in highâ€fat dietâ€induced obesity. Molecular Nutrition and Food Research, 2016, 60, 2611-2621.	1.5	121
471	Laminarin favorably modulates gut microbiota in mice fed a high-fat diet. Food and Function, 2016, 7, 4193-4201.	2.1	74
472	Microbiome and metabolic disorders related to obesity: Which lessons to learn from experimental models?. Trends in Food Science and Technology, 2016, 57, 256-264.	7.8	26
473	Interplay between gut microbiota, its metabolites and human metabolism: Dissecting cause from consequence. Trends in Food Science and Technology, 2016, 57, 233-243.	7.8	22
474	The early infant gut microbiome varies in association with a maternal high-fat diet. Genome Medicine, 2016, 8, 77.	3.6	282
475	Gut Microbiota: Modulation of Host Physiology in Obesity. Physiology, 2016, 31, 327-335.	1.6	48
476	Functional Defecation Disorders and Excessive Body Weight: A Systematic Review. Pediatrics, 2016, 138, .	1.0	27
477	The gut microbiota: A treasure for human health. Biotechnology Advances, 2016, 34, 1210-1224.	6.0	158
480	Bisphenol A alters gut microbiome: Comparative metagenomics analysis. Environmental Pollution, 2016, 218, 923-930.	3.7	122
481	The gut microbiota in young and middle-aged rats showed different responses to chicken protein in their diet. BMC Microbiology, 2016, 16, 281.	1.3	17
482	Short Chain Fatty Acids Prevent High-fat-diet-induced Obesity in Mice by Regulating G Protein-coupled Receptors and Gut Microbiota. Scientific Reports, 2016, 6, 37589.	1.6	437
483	Diet, microorganisms and their metabolites, and colon cancer. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 691-706.	8.2	749
484	Gut microbiota are linked to increased susceptibility to hepatic steatosis in low-aerobic-capacity rats fed an acute high-fat diet. American Journal of Physiology - Renal Physiology, 2016, 311, G166-G179.	1.6	32
485	Role of Gut Microbiota and Short Chain Fatty Acids in Modulating Energy Harvest and Fat Partitioning in Youth. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4367-4376.	1.8	124
486	Interactions between host genetics and gut microbiome in diabetes and metabolic syndrome. Molecular Metabolism, 2016, 5, 795-803.	3.0	132
487	Mango Supplementation Modulates Gut Microbial Dysbiosis and Short-Chain Fatty Acid Production Independent of Body Weight Reduction in C57BL/6 Mice Fed a High-Fat Diet. Journal of Nutrition, 2016, 146, 1483-1491.	1.3	47
488	Fecal Microbiota-based Therapeutics for Recurrent Clostridium difficile Infection, Ulcerative Colitis and Obesity. EBioMedicine, 2016, 13, 37-45.	2.7	65
489	Chronic Sleep Disruption Alters Gut Microbiota, Induces Systemic and Adipose Tissue Inflammation and Insulin Resistance in Mice. Scientific Reports, 2016, 6, 35405.	1.6	316

#	Article	IF	Citations
490	Gut Microbiota in Obesity and Undernutrition. Advances in Nutrition, 2016, 7, 1080-1089.	2.9	103
491	The Gut Microbiota. Gastroenterology Clinics of North America, 2016, 45, 601-614.	1.0	34
492	Gut microbiota and glucometabolic alterations in response to recurrent partial sleep deprivation in normal-weight young individuals. Molecular Metabolism, 2016, 5, 1175-1186.	3.0	216
493	Bamboo shoot fiber prevents obesity in mice by modulating the gut microbiota. Scientific Reports, 2016, 6, 32953.	1.6	104
494	Prosteatotic and Protective Components in a Unique Model of Fatty Liver: Gut Microbiota and Suppressed Complement System. Scientific Reports, 2016, 6, 31763.	1.6	47
495	The Gut Microbiota and Atherosclerosis: The State of the Art and Novel Perspectives. Cardiovascular Innovations and Applications, 2016, 1, .	0.1	3
496	Gut microbiota-involved mechanisms in enhancing systemic exposure of ginsenosides by coexisting polysaccharides in ginseng decoction. Scientific Reports, 2016, 6, 22474.	1.6	132
497	Response of gut microbiota and inflammatory status to bitter melon (Momordica charantia L.) in high fat diet induced obese rats. Journal of Ethnopharmacology, 2016, 194, 717-726.	2.0	86
498	Altered Fecal Microbiota Correlates with Liver Biochemistry in Nonobese Patients with Non-alcoholic Fatty Liver Disease. Scientific Reports, 2016, 6, 32002.	1.6	260
499	Gut microbiota can transfer fiber characteristics and lipid metabolic profiles of skeletal muscle from pigs to germ-free mice. Scientific Reports, 2016, 6, 31786.	1.6	86
500	Structural modulation of the gut microbiota and the relationship with body weight: compared evaluation of liraglutide and saxagliptin treatment. Scientific Reports, 2016, 6, 33251.	1.6	117
501	Isolated exopolysaccharides from Lactobacillus rhamnosus GG alleviated adipogenesis mediated by TLR2 in mice. Scientific Reports, 2016, 6, 36083.	1.6	55
502	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. MSystems, 2016, 1, .	1.7	95
503	Impact of high fat diets, prebiotics and probiotics on gut microbiota and immune function, with relevance to elderly populations. Nutrition and Aging (Amsterdam, Netherlands), 2016, 3, 171-192.	0.3	2
504	Gut microbiota in health and disease: an overview focused on metabolic inflammation. Beneficial Microbes, 2016, 7, 181-194.	1.0	77
505	The human gut microbiome of Latin America populations: a landscape to be discovered. Current Opinion in Infectious Diseases, 2016, 29, 528-537.	1.3	20
507	Establishing a causal link between gut microbes, body weight gain and glucose metabolism in humans â€“ towards treatment with probiotics. Beneficial Microbes, 2016, 7, 11-22.	1.0	63
508	Faecalibacterium prausnitzii phylotypes in type two diabetic, obese, and lean control subjects. Beneficial Microbes, 2016, 7, 511-517.	1.0	61

#	Article	IF	Citations
509	The Gut Microbiome and Obesity. Current Oncology Reports, 2016, 18, 45.	1.8	230
510	The intestinal microbiome and surgical disease. Current Problems in Surgery, 2016, 53, 257-293.	0.6	24
511	The role of Gut Microbiota in the development of obesity and Diabetes. Lipids in Health and Disease, 2016, 15, 108.	1.2	364
512	Gut Endotoxin Leading to a Decline IN Gonadal function (GELDING) - a novel theory for the development of late onset hypogonadism in obese men. Basic and Clinical Andrology, 2016, 26, 7.	0.8	42
513	The gut microbiome as a virtual endocrine organ with implications for farm and domestic animal endocrinology. Domestic Animal Endocrinology, 2016, 56, S44-S55.	0.8	42
514	From Dietary Fiber to Host Physiology: Short-Chain Fatty Acids as Key Bacterial Metabolites. Cell, 2016, 165, 1332-1345.	13.5	3,962
515	Linking Gut Microbiota and Inflammation to Obesity and Insulin Resistance. Physiology, 2016, 31, 283-293.	1.6	463
516	Gut Microbiota and Metabolic Endotoxemia in Young Obese Mexican Subjects. Obesity Facts, 2016, 9, 1-11.	1.6	858
517	Impact of increasing fruit and vegetables and flavonoid intake on the human gut microbiota. Food and Function, 2016, 7, 1788-1796.	2.1	106
518	Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs. Food and Function, 2016, 7, 1024-1032.	2.1	31
519	Can We Prevent Obesity-Related Metabolic Diseases by Dietary Modulation of the Gut Microbiota?. Advances in Nutrition, 2016, 7, 90-101.	2.9	112
520	Correlation between body mass index and faecal microbiota from children. Clinical Microbiology and Infection, 2016, 22, 258.e1-258.e8.	2.8	140
521	Obesity: An overview of possible role(s) of gut hormones, lipid sensing and gut microbiota. Metabolism: Clinical and Experimental, 2016, 65, 48-65.	1.5	145
522	Bile Acids, the Microbiome and Metabolic Disease-Implications for Surgery. , 2016, , 81-90.		0
523	Microbiota and lifestyle interactions through the lifespan. Trends in Food Science and Technology, 2016, 57, 265-272.	7.8	24
524	Optimization of metabolomics of defined in vitro gut microbial ecosystems. International Journal of Medical Microbiology, 2016, 306, 280-289.	1.5	28
525	Low calorie sweeteners and gut microbiota. Physiology and Behavior, 2016, 164, 494-500.	1.0	30
526	Gut Microbiota Differences in Children From Distinct Socioeconomic Levels Living in the Same Urban Area in Brazil. Journal of Pediatric Gastroenterology and Nutrition, 2016, 63, 460-465.	0.9	21

#	Article	IF	Citations
527	Can attention to the intestinal microbiota improve understanding and treatment of anorexia nervosa?. Expert Review of Gastroenterology and Hepatology, 2016, 10, 565-569.	1.4	33
528	Probiotics modulated gut microbiota suppresses hepatocellular carcinoma growth in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1306-15.	3.3	442
529	Obesity, Asthma, and the Microbiome. Physiology, 2016, 31, 108-116.	1.6	26
530	Metabolic effects of dietary carbohydrates: The importance of food digestion. Food Research International, 2016, 88, 336-341.	2.9	30
531	Sub-clinical detection of gut microbial biomarkers of obesity and type 2 diabetes. Genome Medicine, 2016, 8, 17.	3.6	219
532	Pathogenesis of nonalcoholic steatohepatitis. Cellular and Molecular Life Sciences, 2016, 73, 1969-1987.	2.4	151
533	Antibiotics detected in urines and adipogenesis in school children. Environment International, 2016, 89-90, 204-211.	4.8	132
534	In vitro analysis of partially hydrolyzed guar gum fermentation differences between six individuals. Food and Function, 2016, 7, 1833-1838.	2.1	17
535	Physiological Role of Gut Microbiota for Maintaining Human Health. Digestion, 2016, 93, 176-181.	1.2	107
536	Microbial perturbations and modulation in conditions associated with malnutrition and malabsorption. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2016, 30, 161-172.	1.0	26
537	The Intestinal Immune System in Obesity and Insulin Resistance. Cell Metabolism, 2016, 23, 413-426.	7.2	355
538	Microbial transmission from mothers with obesity or diabetes to infants: an innovative opportunity to interrupt a vicious cycle. Diabetologia, 2016, 59, 895-906.	2.9	64
539	Gut Microbiome, Obesity, and Metabolic Syndrome. , 2016, , 447-459.		4
540	Gut Microbiota of Nonalcoholic Fatty Liver Disease. Digestive Diseases and Sciences, 2016, 61, 1268-1281.	1.1	46
541	Gut microbiota, obesity and diabetes. Postgraduate Medical Journal, 2016, 92, 286-300.	0.9	377
542	The microbiome of the oral mucosa in irritable bowel syndrome. Gut Microbes, 2016, 7, 286-301.	4.3	34
543	Fatty acids and their therapeutic potential in neurological disorders. Neurochemistry International, 2016, 95, 75-84.	1.9	91
544	Alterations in the mucosa-associated bacterial composition in Crohnâ€™s disease: a pilot study. International Journal of Colorectal Disease, 2016, 31, 961-971.	1.0	15

#	Article	IF	Citations
545	Losing weight for a better health: Role for the gut microbiota. Clinical Nutrition Experimental, 2016, 6, 39-58.	2.0	28
546	High-Protein Exposure during Gestation or Lactation or after Weaning Has a Period-Specific Signature on Rat Pup Weight, Adiposity, Food Intake, and Glucose Homeostasis up to 6 Weeks of Age. Journal of Nutrition, 2016, 146, 21-29.	1.3	18
547	New frontiers in nanotoxicology: Gut microbiota/microbiome-mediated effects of engineered nanomaterials. Toxicology and Applied Pharmacology, 2016, 299, 90-95.	1.3	120
548	Antioxidant Drug Tempol Promotes Functional Metabolic Changes in the Gut Microbiota. Journal of Proteome Research, 2016, 15, 563-571.	1.8	20
549	Regulation of energy balance by a gutâ€"brain axis and involvement of the gut microbiota. Cellular and Molecular Life Sciences, 2016, 73, 737-755.	2.4	156
550	Obesity, More than a â€˜Cosmeticâ€™ Problem. Current Knowledge and Future Prospects of Human Obesity Genetics. Biochemical Genetics, 2016, 54, 1-28.	0.8	17
551	Microbiome to Brain: Unravelling the Multidirectional Axes of Communication. Advances in Experimental Medicine and Biology, 2016, 874, 301-336.	0.8	50
552	Probiotics and Prebiotics for Promoting Health. , 2016, , 75-85.		8
553	The Cholesterol-Lowering Effects of Probiotic Bacteria on Lipid Metabolism. , 2016, , 699-722.		3
554	Antibiotic use and childhood body mass index trajectory. International Journal of Obesity, 2016, 40, 615-621.	1.6	71
555	Gut microbiota and obesity. Cellular and Molecular Life Sciences, 2016, 73, 147-162.	2.4	383
556	Metabolic endotoxemia with obesity: Is it real and is it relevant?. Biochimie, 2016, 124, 11-20.	1.3	291
557	A role for whey-derived lactoferrin and immunoglobulins in the attenuation of obesity-related inflammation and disease. Critical Reviews in Food Science and Nutrition, 2017, 57, 1593-1602.	5.4	21
558	Metabolic role of lactobacilli in weight modification in humans and animals. Microbial Pathogenesis, 2017, 106, 182-194.	1.3	85
559	The Role of the Microbial Metabolites Including Tryptophan Catabolites and Short Chain Fatty Acids in the Pathophysiology of Immune-Inflammatory and Neuroimmune Disease. Molecular Neurobiology, 2017, 54, 4432-4451.	1.9	191
560	Relative Abundance in Bacterial and Fungal Gut Microbes in Obese Children: A Case Control Study. Childhood Obesity, 2017, 13, 78-84.	0.8	65
561	Alternating or continuous exposure to cafeteria diet leads to similar shifts in gut microbiota compared to chow diet. Molecular Nutrition and Food Research, 2017, 61, 1500815.	1.5	21
562	Pepsin egg white hydrolysate modulates gut microbiota in Zucker obese rats. Food and Function, 2017, 8, 437-443.	2.1	35

#	Article	IF	Citations
563	Alcohol, microbiome, life style influence alcohol and non-alcoholic organ damage. Experimental and Molecular Pathology, 2017, 102, 162-180.	0.9	40
564	Personalized microbiomeâ€based approaches to metabolic syndrome management and prevention. Journal of Diabetes, 2017, 9, 226-236.	0.8	39
565	Effects of the Dietary Protein and Carbohydrate Ratio on Gut Microbiomes in Dogs of Different Body Conditions. MBio, 2017, 8, .	1.8	122
566	Metabolic Phenotyping of Diet and Dietary Intake. Advances in Food and Nutrition Research, 2017, 81, 231-270.	1.5	9
567	Microbiome and Cardiac Health. , 2017, , 67-97.		0
568	<i>In vitro</i> fermentation of oat <i>Î²</i>â€glucan and hydrolysates by fecal microbiota and selected probiotic strains. Journal of the Science of Food and Agriculture, 2017, 97, 4198-4203.	1.7	30
569	Diet affects arctic ground squirrel gut microbial metatranscriptome independent of community structure. Environmental Microbiology, 2017, 19, 1518-1535.	1.8	17
570	Association of oral microbiome with type 2 diabetes risk. Journal of Periodontal Research, 2017, 52, 636-643.	1.4	150
571	Diets link metabolic syndrome and colorectal cancer development. Oncology Reports, 2017, 37, 1312-1320.	1.2	20
572	Chickpea-supplemented diet alters the gut microbiome and enhances gut barrier integrity in C57Bl/6 male mice. Journal of Functional Foods, 2017, 38, 663-674.	1.6	46
573	Influence of diet on the gut microbiome and implications for human health. Journal of Translational Medicine, 2017, 15, 73.	1.8	1,714
574	Safety of <i>Bifidobacterium animalis</i> Subsp. <i>Lactis</i> (<i>B. lactis</i>) Strain BBâ€12â€Supplemented Yogurt in Healthy Children. Journal of Pediatric Gastroenterology and Nutrition, 2017, 64, 302-309.	0.9	15
575	High-fat feeding rather than obesity drives taxonomical and functional changes in the gut microbiota in mice. Microbiome, 2017, 5, 43.	4.9	132
576	The intestinal microbiota, energy balance, and malnutrition: emphasis on the role of short-chain fatty acids. Expert Review of Endocrinology and Metabolism, 2017, 12, 215-226.	1.2	30
577	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. Genome Biology, 2017, 18, 70.	3.8	245
578	Effects of potato dextrin on the composition and metabolism of the gut microbiota in rats fed standard and high-fat diets. Journal of Functional Foods, 2017, 34, 398-407.	1.6	23
579	Host Genome Influence on Gut Microbial Composition and Microbial Prediction of Complex Traits in Pigs. Genetics, 2017, 206, 1637-1644.	1.2	129
580	A synbiotic composed of <i>Lactobacillus fermentum</i> CECT5716 and FOS prevents the development of fatty acid liver and glycemic alterations in rats fed a high fructose diet associated with changes in the microbiota. Molecular Nutrition and Food Research, 2017, 61, 1600622.	1.5	37

#	Article	IF	Citations
581	Effects of the combination of Ï‰-3 PUFAs and proanthocyanidins on the gut microbiota of healthy rats. Food Research International, 2017, 97, 364-371.	2.9	23
582	Microbiome: Its Impact Is Being Revealed!. Current Clinical Microbiology Reports, 2017, 4, 78-87.	1.8	1
583	In vitro and in vivo evaluation of the probiotic attributes of Lactobacillus kefiranofaciens XL10 isolated from Tibetan kefir grain. Applied Microbiology and Biotechnology, 2017, 101, 2467-2477.	1.7	31
584	Consensus report: faecal microbiota transfer â€“ clinical applications and procedures. Alimentary Pharmacology and Therapeutics, 2017, 45, 222-239.	1.9	95
585	Changes in faecal bacteria during fattening in finishing swine. Anaerobe, 2017, 47, 188-193.	1.0	12
586	Gut microbiome and serum metabolome alterations in obesity and after weight-loss intervention. Nature Medicine, 2017, 23, 859-868.	15.2	1,074
587	Prebiotics Reduce Body Fat and Alter Intestinal Microbiota in Children Who Are Overweight or With Obesity. Gastroenterology, 2017, 153, 711-722.	0.6	358
588	Effect of water flow and chemical environment on microbiota growth and composition in the human colon. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6438-6443.	3.3	125
589	The Microbiota-Obesity Connection, Part 2. Holistic Nursing Practice, 2017, 31, 204-209.	0.3	0
590	Polymannuronic acid ameliorated obesity and inflammation associated with a high-fat and high-sucrose diet by modulating the gut microbiome in a murine model. British Journal of Nutrition, 2017, 117, 1332-1342.	1.2	38
591	Impact of high-fat diet on the intestinal microbiota and small intestinal physiology before and after the onset of obesity. Biochimie, 2017, 141, 97-106.	1.3	196
592	The Human Gut Microbiome in Liver Diseases. Seminars in Liver Disease, 2017, 37, 128-140.	1.8	30
593	Microbiome and NAFLD: potential influence of aerobic fitness and lifestyle modification. Physiological Genomics, 2017, 49, 385-399.	1.0	31
594	Effects of Î±-Galactooligosaccharides from Chickpeas on High-Fat-Diet-Induced Metabolic Syndrome in Mice. Journal of Agricultural and Food Chemistry, 2017, 65, 3160-3166.	2.4	33
595	Influences of the Gut Microbiota on DNA Methylation and Histone Modification. Digestive Diseases and Sciences, 2017, 62, 1155-1164.	1.1	57
596	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. Journal of Nutrition, 2017, 147, 727-745.	1.3	280
597	Gut Microbiota in Cardiovascular Health and Disease. Circulation Research, 2017, 120, 1183-1196.	2.0	1,079
598	Remote Sensing Between Liver and Intestine: Importance of Microbial Metabolites. Current Pharmacology Reports, 2017, 3, 101-113.	1.5	49

#	Article	IF	Citations
599	Gut microbiome diversity and high-fibre intake are related to lower long-term weight gain. International Journal of Obesity, 2017, 41, 1099-1105.	1.6	268
600	Analysis of short-chain fatty acids in human feces: A scoping review. Analytical Biochemistry, 2017, 526, 9-21.	1.1	115
601	Effect of Whole Grain Qingke (Tibetan <i>Hordeum vulgare</i> L. Zangqing 320) on the Serum Lipid Levels and Intestinal Microbiota of Rats under High-Fat Diet. Journal of Agricultural and Food Chemistry, 2017, 65, 2686-2693.	2.4	61
602	Novel Indications for Fecal Microbial Transplantation: Update and Review of the Literature. Digestive Diseases and Sciences, 2017, 62, 1131-1145.	1.1	50
603	Impact of whey proteins on the systemic and local intestinal level of mice with diet induced obesity. Food and Function, 2017, 8, 1708-1717.	2.1	11
604	<i>In vitro</i> fermentative capacity of swine large intestine: comparison between native Lantang and commercial Duroc breeds. Animal Science Journal, 2017, 88, 1141-1148.	0.6	16
605	Antibiotics and Obesityâ€"A Burgeoning or Thinning Argument?. JAMA Pediatrics, 2017, 171, 118.	3.3	9
606	Archaea: Essential inhabitants of the human digestive microbiota. Human Microbiome Journal, 2017, 3, 1-8.	3.8	113
607	Understanding the Molecular Mechanisms of the Interplay Between Herbal Medicines and Gut Microbiota. Medicinal Research Reviews, 2017, 37, 1140-1185.	5.0	241
608	Remodeling of the gut microbiota and structural shifts in Preeclampsia patients in South China. European Journal of Clinical Microbiology and Infectious Diseases, 2017, 36, 713-719.	1.3	79
609	The acute effects of inulin and resistant starch on postprandial serum short-chain fatty acids and second-meal glycemic response in lean and overweight humans. European Journal of Clinical Nutrition, 2017, 71, 227-233.	1.3	50
610	Targeting Innate Immunity for Type 1 Diabetes Prevention. Current Diabetes Reports, 2017, 17, 113.	1.7	11
611	Gut microbiota composition strongly correlates to peripheral insulin sensitivity in obese men but not in women. Beneficial Microbes, 2017, 8, 557-562.	1.0	19
612	Gut microbiota aberrations precede diagnosis of gestational diabetes mellitus. Acta Diabetologica, 2017, 54, 1147-1149.	1.2	73
613	Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes. Food and Function, 2017, 8, 4374-4383.	2.1	55
614	Lactobacillus rhamnosus NCDC17 ameliorates type-2 diabetes by improving gut function, oxidative stress and inflammation in high-fat-diet fed and streptozotocintreated rats. Beneficial Microbes, 2017, 8, 243-255.	1.0	85
615	Effects of microencapsulated<i>Lactobacillus plantarum</i>LIP-1 on the gut microbiota of hyperlipidaemic rats. British Journal of Nutrition, 2017, 118, 481-492.	1.2	79
617	Gut microbiome alterations in Alzheimerâ€™s disease. Scientific Reports, 2017, 7, 13537.	1.6	1,256

#	Article	IF	Citations
618	Probiotic strains and mechanistic insights for the treatment of type 2 diabetes. Endocrine, 2017, 58, 207-227.	1.1	33
619	Myocardial metabolic alterations in mice with diet-induced atherosclerosis: linking sulfur amino acid and lipid metabolism. Scientific Reports, 2017, 7, 13597.	1.6	22
620	Is there a relationship between intestinal microbiota, dietary compounds, and obesity?. Trends in Food Science and Technology, 2017, 70, 105-113.	7.8	53
621	Core fecal microbiota of domesticated herbivorous ruminant, hindgut fermenters, and monogastric animals. MicrobiologyOpen, 2017, 6, e00509.	1.2	83
622	High frequency of intestinal T _H 17 cells correlates with microbiota alterations and disease activity in multiple sclerosis. Science Advances, 2017, 3, e1700492.	4.7	228
623	Probiotics modulate gut microbiota and improve insulin sensitivity in DIO mice. Journal of Nutritional Biochemistry, 2017, 50, 16-25.	1.9	193
624	Microbial Factors in Inflammatory Diseases and Cancers. Advances in Experimental Medicine and Biology, 2017, 1024, 153-174.	0.8	20
625	Strains, functions and dynamics in the expanded Human Microbiome Project. Nature, 2017, 550, 61-66.	13.7	929
627	Gut microbiota dysbiosis associated with glucose metabolism disorders and the metabolic syndrome in older adults. Beneficial Microbes, 2017, 8, 545-556.	1.0	232
628	Effect of caloric restriction on gut permeability, inflammation markers, and fecal microbiota in obese women. Scientific Reports, 2017, 7, 11955.	1.6	119
629	The Relationship Between the Human Genome and Microbiome Comes into View. Annual Review of Genetics, 2017, 51, 413-433.	3.2	237
630	Consumption of Two Healthy Dietary Patterns Restored Microbiota Dysbiosis in Obese Patients with Metabolic Dysfunction. Molecular Nutrition and Food Research, 2017, 61, 1700300.	1.5	107
631	Impact of Immunosuppression on the Metagenomic Composition of the Intestinal Microbiome: a Systems Biology Approach to Post-Transplant Diabetes. Scientific Reports, 2017, 7, 10277.	1.6	49
632	Increased microbiome diversity at the time of infection is associated with improved growth rates of pigs after co-infection with porcine reproductive and respiratory syndrome virus (PRRSV) and porcine circovirus type 2 (PCV2). Veterinary Microbiology, 2017, 208, 203-211.	0.8	35
633	The Hibernator Microbiome: Host-Bacterial Interactions in an Extreme Nutritional Symbiosis. Annual Review of Nutrition, 2017, 37, 477-500.	4.3	58
634	The association of type II diabetes with gut microbiota composition. Microbial Pathogenesis, 2017, 110, 630-636.	1.3	86
635	Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts. Journal of Food Science, 2017, 82, 1807-1813.	1.5	52
636	Microbiota, metabolome, and immune alterations in obese mice fed a highâ€fat diet containing type 2 resistant starch. Molecular Nutrition and Food Research, 2017, 61, 1700184.	1.5	81

#	Article	IF	Citations
637	Short-chain fatty acids and inulin, but not guar gum, prevent diet-induced obesity and insulin resistance through differential mechanisms in mice. Scientific Reports, 2017, 7, 6109.	1.6	158
638	The Impact of Gut Microbiota on Liver Injury. , 2017, , 251-283.		0
639	Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health. Journal of Nutritional Biochemistry, 2017, 49, 89-100.	1.9	59
640	Bacteriocins and bacteriophage; a narrow-minded approach to food and gut microbiology. FEMS Microbiology Reviews, 2017, 41, S129-S153.	3.9	74
642	Role of innate lymphoid cells in obesity and metabolic disease (Review). Molecular Medicine Reports, 2018, 17, 1403-1412.	1.1	16
643	Non-alcoholic Fatty Liver Disease in Non-obese Patients. Current Hepatology Reports, 2017, 16, 382-390.	0.4	0
644	Analysis of the gut microbiome and plasma short-chain fatty acid profiles in a spontaneous mouse model of metabolic syndrome. Scientific Reports, 2017, 7, 15876.	1.6	86
645	Obesity and microbiota: an example of an intricate relationship. Genes and Nutrition, 2017, 12, 18.	1.2	86
646	Polydextrose changes the gut microbiome and attenuates fasting triglyceride and cholesterol levels in Western diet fed mice. Scientific Reports, 2017, 7, 5294.	1.6	71
647	Effects of Bifidobacterium animalis subsp. lactis BB-12Â® on the lipid/lipoprotein profile and short chain fatty acids in healthy young adults: a randomized controlled trial. Nutrition Journal, 2017, 16, 39.	1.5	25
648	Association between body mass index and Firmicutes/Bacteroidetes ratio in an adult Ukrainian population. BMC Microbiology, 2017, 17, 120.	1.3	720
649	Consequences of Small Intestinal Bacterial Overgrowth in Obese Patients Before and After Bariatric Surgery. Obesity Surgery, 2017, 27, 599-605.	1.1	57
650	Effects of short-term supplementation with bovine lactoferrin and/or immunoglobulins on body mass and metabolic measures: a randomised controlled trial. International Journal of Food Sciences and Nutrition, 2017, 68, 219-226.	1.3	2
651	Devil in the detail: a closer look at childhood obesity and the gut microbiota. Environmental Microbiology, 2017, 19, 11-12.	1.8	7
652	Physiological and molecular responses to bariatric surgery: markers or mechanisms underlying T2DM resolution?. Annals of the New York Academy of Sciences, 2017, 1391, 5-19.	1.8	17
653	Effects of inulin-type fructans, galacto-oligosaccharides and related synbiotics on inflammatory markers in adult patients with overweight or obesity: A systematic review. Clinical Nutrition, 2017, 36, 1197-1206.	2.3	64
654	Efficacy and safety of single fecal microbiota transplantation for Japanese patients with mild to moderately active ulcerative colitis. Journal of Gastroenterology, 2017, 52, 476-482.	2.3	66
655	Differential Changes in Gut Microbiota After Gastric Bypass and Sleeve Gastrectomy Bariatric Surgery Vary According to Diabetes Remission. Obesity Surgery, 2017, 27, 917-925.	1.1	230

#	Article	IF	Citations
656	Human splanchnic amino-acid metabolism. Amino Acids, 2017, 49, 161-172.	1.2	21
657	Pediatric obesity is associated with an altered gut microbiota and discordant shifts in <scp><i>F</i></scp><i>irmicutes</i> populations. Environmental Microbiology, 2017, 19, 95-105.	1.8	326
658	Potential mediators linking gut bacteria to metabolic health: a critical view. Journal of Physiology, 2017, 595, 477-487.	1.3	60
659	Dietary fucoidan improves metabolic syndrome in association with increased Akkermansia population in the gut microbiota of high-fat diet-fed mice. Journal of Functional Foods, 2017, 28, 138-146.	1.6	207
660	The role of metabolism (and the microbiome) in defining the clinical efficacy of dietary flavonoids. American Journal of Clinical Nutrition, 2017, 105, 10-22.	2.2	347
661	Effect of inulin-type fructans on blood lipid profile and glucose level: a systematic review and meta-analysis of randomized controlled trials. European Journal of Clinical Nutrition, 2017, 71, 9-20.	1.3	114
662	Gut Microbiota in Obesity and Metabolic Abnormalities: A Matter of Composition or Functionality?. Archives of Medical Research, 2017, 48, 735-753.	1.5	59
663	Interindividual variability in gut microbiota and host response to dietary interventions. Nutrition Reviews, 2017, 75, 1059-1080.	2.6	155
664	Dietary Capsaicin Improves Glucose Homeostasis and Alters the Gut Microbiota in Obese Diabetic ob/ob Mice. Frontiers in Physiology, 2017, 8, 602.	1.3	113
665	Relationship Between Gut Microbiota, Energy Metabolism, and Obesity. , 2017, , 255-258.		3
666	Gut microbiota–derived short-chain fatty acids and kidney diseases. Drug Design, Development and Therapy, 2017, Volume 11, 3531-3542.	2.0	108
667	The Relationship Between Probiotics and Dietary Fiber Consumption and Cardiovascular Health. , 2017, , 73-90.		4
668	The Association between Cardiorespiratory Fitness and Gut Microbiota Composition in Premenopausal Women. Nutrients, 2017, 9, 792.	1.7	53
669	Integrated Immunomodulatory Mechanisms through which Long-Chain n-3 Polyunsaturated Fatty Acids Attenuate Obese Adipose Tissue Dysfunction. Nutrients, 2017, 9, 1289.	1.7	28
670	Prebiotic Dietary Fiber and Gut Health: Comparing the in Vitro Fermentations of Beta-Glucan, Inulin and Xylooligosaccharide. Nutrients, 2017, 9, 1361.	1.7	151
671	Taxonomic and Metagenomic Alterations of Microbiota in Bariatric Surgery. , 2017, , 259-265.		0
672	Characterizing and Functionally Defining the Gut Microbiota: Methodology and Implications. , 2017, , 15-25.		3
673	Dietary Pea Fiber Supplementation Improves Glycemia and Induces Changes in the Composition of Gut Microbiota, Serum Short Chain Fatty Acid Profile and Expression of Mucins in Glucose Intolerant Rats. Nutrients, 2017, 9, 1236.	1.7	53

#	Article	IF	Citations
674	Intestinal Dysbiosis Is Associated with Altered Short-Chain Fatty Acids and Serum-Free Fatty Acids in Systemic Lupus Erythematosus. Frontiers in Immunology, 2017, 8, 23.	2.2	95
675	The Microbiota and Epigenetic Regulation of T Helper 17/Regulatory T Cells: In Search of a Balanced Immune System. Frontiers in Immunology, 2017, 8, 417.	2.2	103
676	Impact of Westernized Diet on Gut Microbiota in Children on Leyte Island. Frontiers in Microbiology, 2017, 8, 197.	1.5	132
677	Changes in the Total Fecal Bacterial Population in Individual Horses Maintained on a Restricted Diet Over 6 Weeks. Frontiers in Microbiology, 2017, 8, 1502.	1.5	37
678	Fecal Short-Chain Fatty Acid Variations by Breastfeeding Status in Infants at 4â€‰Months: Differences in Relative versus Absolute Concentrations. Frontiers in Nutrition, 2017, 4, 11.	1.6	121
679	The Role of Supplemental Complex Dietary Carbohydrates and Gut Microbiota in Promoting Cardiometabolic and Immunological Health in Obesity: Lessons from Healthy Non-Obese Individuals. Frontiers in Nutrition, 2017, 4, 34.	1.6	31
680	EGCG Prevents High Fat Diet-Induced Changes in Gut Microbiota, Decreases of DNA Strand Breaks, and Changes in Expression and DNA Methylation of<i>Dnmt1</i>and<i>MLH1</i>in C57BL/6J Male Mice. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-17.	1.9	79
681	Intestinal hormones, gut microbiota and non-alcoholic fatty liver disease. Minerva Endocrinology, 2017, 42, 184-194.	0.6	21
682	Different Intestinal Microbial Profile in Over-Weight and Obese Subjects Consuming a Diet with Low Content of Fiber and Antioxidants. Nutrients, 2017, 9, 551.	1.7	36
683	Comparative analysis of gut microbiota associated with body mass index in a large Korean cohort. BMC Microbiology, 2017, 17, 151.	1.3	128
684	The response of canine faecal microbiota to increased dietary protein is influenced by body condition. BMC Veterinary Research, 2017, 13, 374.	0.7	31
685	Pre-pregnancy weight, gestational weight gain, and the gut microbiota of mothers and their infants. Microbiome, 2017, 5, 113.	4.9	123
686	Are Short Chain Fatty Acids in Gut Microbiota Defensive Players for Inflammation and Atherosclerosis?. Journal of Atherosclerosis and Thrombosis, 2017, 24, 660-672.	0.9	366
687	The Influence of Microbiota on Mechanisms of Bariatric Surgery. , 2017, , 267-281.		3
688	Changes in weight and body fat after use of tetracycline and Lactobacillus gasseri in rats. Brazilian Journal of Pharmaceutical Sciences, 2017, 53, .	1.2	9
689	Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier. World Journal of Gastroenterology, 2017, 23, 60.	1.4	288
690	Diarrhea after bariatric procedures: Diagnosis and therapy. World Journal of Gastroenterology, 2017, 23, 4689.	1.4	39
691	Sugary Kefir Strain <i>Lactobacillus mali</i> APS1 Ameliorated Hepatic Steatosis by Regulation of SIRTâ€1/Nrfâ€2 and Gut Microbiota in Rats. Molecular Nutrition and Food Research, 2018, 62, e1700903.	1.5	49

#	Article	IF	Citations
692	Relationships Between Perinatal Interventions, Maternal-Infant Microbiomes, and Neonatal Outcomes. Clinics in Perinatology, 2018, 45, 339-355.	0.8	29
693	Prenatal androgen exposure causes hypertension and gut microbiota dysbiosis. Gut Microbes, 2018, 9, 1-22.	4.3	85
694	Inulin-Type Fructans Application in Gluten-Free Products: Functionality and Health Benefits. Reference Series in Phytochemistry, 2018, , 1-40.	0.2	4
695	Differences in gut microbiota composition in finishing Landrace pigs with low and high feed conversion ratios. Antonie Van Leeuwenhoek, 2018, 111, 1673-1685.	0.7	41
696	A combination of Lactobacillus mali APS1 and dieting improved the efficacy of obesity treatment via manipulating gut microbiome in mice. Scientific Reports, 2018, 8, 6153.	1.6	31
697	Gut Microbiota: From Microorganisms to Metabolic Organ Influencing Obesity. Obesity, 2018, 26, 801-809.	1.5	110
698	The use of antimicrobials as adjuvant therapy for the treatment of obesity and insulin resistance: Effects and associated mechanisms. Diabetes/Metabolism Research and Reviews, 2018, 34, e3014.	1.7	4
699	The human gut microbiota: Metabolism and perspective in obesity. Gut Microbes, 2018, 9, 1-18.	4.3	304
700	Connection Between BMI-Related Plasma Metabolite Profile and Gut Microbiota. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1491-1501.	1.8	163
701	Methodological Strategies in Microbiome Research and their Explanatory Implications. Perspectives on Science, 2018, 26, 239-265.	0.3	14
702	Helminth infection in mice improves insulin sensitivity via modulation of gut microbiota and fatty acid metabolism. Pharmacological Research, 2018, 132, 33-46.	3.1	38
703	Obese Mice Losing Weight Due to trans-10,cis-12 Conjugated Linoleic Acid Supplementation or Food Restriction Harbor Distinct Gut Microbiota. Journal of Nutrition, 2018, 148, 562-572.	1.3	59
704	Fructose liquid and solid formulations differently affect gut integrity, microbiota composition and related liver toxicity: a comparative in vivo study. Journal of Nutritional Biochemistry, 2018, 55, 185-199.	1.9	53
705	Butyrate: A Double-Edged Sword for Health?. Advances in Nutrition, 2018, 9, 21-29.	2.9	639
706	Evaluating Causality of Gut Microbiota in Obesity and Diabetes in Humans. Endocrine Reviews, 2018, 39, 133-153.	8.9	207
707	Impact of <i>Trans</i>â€Fats on Heatâ€Shock Protein Expression and the Gut Microbiota Profile of Mice. Journal of Food Science, 2018, 83, 489-498.	1.5	7
708	Microbiomeâ€based mechanisms hypothesized to initiate obesityâ€associated rheumatoid arthritis. Obesity Reviews, 2018, 19, 786-797.	3.1	9
709	Effects of bentonite Bgp35bâ€p on the gut microbiota of mice fed a highâ€fat diet. Journal of the Science of Food and Agriculture, 2018, 98, 4369-4373.	1.7	11

#	Article	IF	Citations
710	Role of microbiota-derived lipopolysaccharide in adipose tissue inflammation, adipocyte size and pyroptosis during obesity. Nutrition Research Reviews, 2018, 31, 153-163.	2.1	144
711	Nonalcoholic fatty liver disease is associated with dysbiosis independent of body mass index and insulin resistance. Scientific Reports, 2018, 8, 1466.	1.6	196
712	Evaluation of a faecal dysbiosis test for irritable bowel syndrome in subjects with and without obesity. Scandinavian Journal of Clinical and Laboratory Investigation, 2018, 78, 109-113.	0.6	11
713	Dihydrocapsiate supplementation prevented high-fat dietâ€"induced adiposity, hepatic steatosis, glucose intolerance, and gut morphological alterations in mice. Nutrition Research, 2018, 51, 40-56.	1.3	16
714	The gut microbiota as a novel regulator of cardiovascular function and disease. Journal of Nutritional Biochemistry, 2018, 56, 1-15.	1.9	122
715	Metabolomic Signatures and Metabolic Complications in Childhood Obesity. Contemporary Endocrinology, 2018, , 343-361.	0.3	7
716	Simulated Digestion and Fermentation in Vitro by Human Gut Microbiota of Polysaccharides from Bee Collected Pollen of Chinese Wolfberry. Journal of Agricultural and Food Chemistry, 2018, 66, 898-907.	2.4	127
718	Adaptation of human gut microbiota to bariatric surgeries in morbidly obese patients: A systematic review. Microbial Pathogenesis, 2018, 116, 13-21.	1.3	51
719	Core gut microbiota in Jinhua pigs and its correlation with strain, farm and weaning age. Journal of Microbiology, 2018, 56, 346-355.	1.3	50
720	Marine polysaccharides attenuate metabolic syndrome by fermentation products and altering gut microbiota: An overview. Carbohydrate Polymers, 2018, 195, 601-612.	5.1	94
721	Review article: short chain fatty acids as potential therapeutic agents in human gastrointestinal and inflammatory disorders. Alimentary Pharmacology and Therapeutics, 2018, 48, 15-34.	1.9	339
722	Diet supplementation with an organic acids-based formulation affects gut microbiota and expression of gut barrier genes in broilers. Animal Nutrition, 2018, 4, 367-377.	2.1	24
723	Health Effects and Sources of Prebiotic Dietary Fiber. Current Developments in Nutrition, 2018, 2, nzy005.	0.1	209
724	The gut microbiota and its potential role in obesity. Future Microbiology, 2018, 13, 589-603.	1.0	32
725	A high-fat high-sucrose diet affects the long-term metabolic fate of grape proanthocyanidins in rats. European Journal of Nutrition, 2018, 57, 339-349.	1.8	12
726	Rosacea and its association with enteral microbiota in Korean females. Experimental Dermatology, 2018, 27, 37-42.	1.4	57
727	New insight into inter-organ crosstalk contributing to the pathogenesis of non-alcoholic fatty liver disease (NAFLD). Protein and Cell, 2018, 9, 164-177.	4.8	92
728	Ophiopogonin D alleviates highâ€fat dietâ€induced metabolic syndrome and changes the structure of gut microbiota in mice. FASEB Journal, 2018, 32, 1139-1153.	0.2	35

#	Article	IF	Citations
729	Gut microbiota and obesity: Concepts relevant to clinical care. European Journal of Internal Medicine, 2018, 48, 18-24.	1.0	95
730	Antibiotics, gut microbiome and obesity. Clinical Endocrinology, 2018, 88, 185-200.	1.2	70
731	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. Microbiology Spectrum, 2017, 5, .	1.2	125
732	Influence of gut microbiota on the development and progression of nonalcoholic steatohepatitis. European Journal of Nutrition, 2018, 57, 861-876.	1.8	102
733	Microbe-mitochondrion crosstalk and health: An emerging paradigm. Mitochondrion, 2018, 39, 20-25.	1.6	41
734	Maternal obesity is associated with gut microbial metabolic potential in offspring during infancy. Journal of Physiology and Biochemistry, 2018, 74, 159-169.	1.3	29
735	Alterations in gut microbiota associated with a cafeteria diet and the physiological consequences in the host. International Journal of Obesity, 2018, 42, 746-754.	1.6	31
736	Gut microbiome production of short-chain fatty acids and obesity in children. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 621-625.	1.3	139
737	The role of gut microbiota in the effects of maternal obesity during pregnancy on offspring metabolism. Bioscience Reports, 2018, 38, .	1.1	78
738	How poverty affects diet to shape the microbiota and chronic disease. Nature Reviews Immunology, 2018, 18, 279-287.	10.6	46
739	Body size phenotypes comprehensively assess cardiometabolic risk and refine the association between obesity and gut microbiota. International Journal of Obesity, 2018, 42, 424-432.	1.6	48
740	The combined effect of Sango sprout juice and caloric restriction on metabolic disorders and gut microbiota composition in an obesity model. International Journal of Food Sciences and Nutrition, 2018, 69, 192-204.	1.3	8
741	Intestinal Microbiome and the Liver. , 2018, , 37-65.e6.		0
742	<i>Lactobacillus helveticus</i> KLDS1.8701 alleviates <scp>d</scp>-galactose-induced aging by regulating Nrf-2 and gut microbiota in mice. Food and Function, 2018, 9, 6586-6598.	2.1	66
743	Calorie restriction and its impact on gut microbial composition and global metabolism. Frontiers of Medicine, 2018, 12, 634-644.	1.5	49
744	Gut microbiota in diabetes and HIV: Inflammation is the link. EBioMedicine, 2018, 38, 17-18.	2.7	7
745	Gut Mechanisms Linking Intestinal Sweet Sensing to Glycemic Control. Frontiers in Endocrinology, 2018, 9, 741.	1.5	24
746	Impacts of Diet and Exercise on Maternal Gut Microbiota Are Transferred to Offspring. Frontiers in Endocrinology, 2018, 9, 716.	1.5	47

#	Article	IF	Citations
747	A Cross-Scale Neutral Theory Approach to the Influence of Obesity on Community Assembly of Human Gut Microbiome. Frontiers in Microbiology, 2018, 9, 2320.	1.5	7
748	Is It Time to Use Probiotics to Prevent or Treat Obesity?. Nutrients, 2018, 10, 1613.	1.7	72
749	Gut Microbiome Dysbiosis and Immunometabolism: New Frontiers for Treatment of Metabolic Diseases. Mediators of Inflammation, 2018, 2018, 1-12.	1.4	199
750	The human archaeome: methodological pitfalls and knowledge gaps. Emerging Topics in Life Sciences, 2018, 2, 469-482.	1.1	31
751	Intestinal Microbiota Modulation in Obesity-Related Non-alcoholic Fatty Liver Disease. Frontiers in Physiology, 2018, 9, 1813.	1.3	68
753	Fighting Fatty Liver Diseases with Nutritional Interventions, Probiotics, Symbiotics, and Fecal Microbiota Transplantation (FMT). Advances in Experimental Medicine and Biology, 2018, 1125, 85-100.	0.8	12
754	Dietary quality of predominantly traditional diets is associated with blood glucose profiles, but not with total fecal Bifidobacterium in Indonesian women. PLoS ONE, 2018, 13, e0208815.	1.1	19
755	Diet, physical activity and screen time but not body mass index are associated with the gut microbiome of a diverse cohort of college students living in university housing: a cross-sectional study. BMC Microbiology, 2018, 18, 210.	1.3	51
756	Dietary Composition and Cardiovascular Risk: A Mediator or a Bystander?. Nutrients, 2018, 10, 1912.	1.7	26
757	Pre-obese childrenâ€™s dysbiotic gut microbiome and unhealthy diets may predict the development of obesity. Communications Biology, 2018, 1, 222.	2.0	65
758	An overview on the interplay between nutraceuticals and gut microbiota. PeerJ, 2018, 6, e4465.	0.9	27
759	The Equine Gastrointestinal Microbiome: Impacts of Age and Obesity. Frontiers in Microbiology, 2018, 9, 3017.	1.5	46
760	Differences in Anxiety Levels of Various Murine Models in Relation to the Gut Microbiota Composition. Biomedicines, 2018, 6, 113.	1.4	6
761	Faecal Microbial Markers and Psychobiological Disorders in Subjects with Morbid Obesity. A Cross-Sectional Study. Behavioral Sciences (Basel, Switzerland), 2018, 8, 89.	1.0	2
762	Early colonization of the gut microbiome and its relationship with obesity. Human Microbiome Journal, 2018, 10, 1-5.	3.8	33
763	Obesity alters composition and diversity of the oral microbiota in patients with type 2 diabetes mellitus independently of glycemic control. PLoS ONE, 2018, 13, e0204724.	1.1	69
764	Caloric restriction promotes functional changes involving short-chain fatty acid biosynthesis in the rat gut microbiota. Scientific Reports, 2018, 8, 14778.	1.6	57
765	Microbial Changes and Host Response in F344 Rat Colon Depending on Sex and Age Following a High-Fat Diet. Frontiers in Microbiology, 2018, 9, 2236.	1.5	38

#	Article	IF	Citations
766	Eubiotic effect of buckwheat d-fagomine in healthy rats. Journal of Functional Foods, 2018, 50, 120-126.	1.6	10
767	Influence of the microbiota and probiotics in obesity. ClÃnica E InvestigaciÃ³n En Arteriosclerosis (English Edition), 2018, 30, 271-279.	0.1	15
768	Therapeutic efficacy of amoxicillin and rifaximin in patients with small intestinal bacterial overgrowth and Helicobacter pylori infection. Przeglad Gastroenterologiczny, 2018, 13, 213-217.	0.3	6
769	Assessment of the Effect of Dietary Modifications and Bioenteric Intragastric Balloon Treatment on the Changes of Some Morphological and Biochemical Parameters in Obese Patients. Annals of Nutrition and Metabolism, 2018, 73, 290-301.	1.0	1
770	Propionate Protects Haloperidol-Induced Neurite Lesions Mediated by Neuropeptide Y. Frontiers in Neuroscience, 2018, 12, 743.	1.4	13
771	Defining Dysbiosis in Disorders of Movement and Motivation. Journal of Neuroscience, 2018, 38, 9414-9422.	1.7	17
772	Fecal microbiota transplantation: a promising strategy in preventing the progression of non-alcoholic steatohepatitis and improving the anti-cancer immune response. Expert Opinion on Biological Therapy, 2018, 18, 1061-1071.	1.4	27
773	Modulation of the immune system by the gut microbiota in the development of type 1 diabetes. Human Vaccines and Immunotherapeutics, 2018, 14, 1-17.	1.4	11
774	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. , 0, , 453-483.		8
775	The Neonatal Microbiome and Its Partial Role in Mediating the Association between Birth by Cesarean Section and Adverse Pediatric Outcomes. Neonatology, 2018, 114, 103-111.	0.9	59
776	Milk fat globule membrane supplementation modulates the gut microbiota and attenuates metabolic endotoxemia in high-fat diet-fed mice. Journal of Functional Foods, 2018, 47, 56-65.	1.6	51
777	Changes in metabolism and microbiota after 24-week risperidone treatment in drug naÃ¯ve, normal weight patients with first episode schizophrenia. Schizophrenia Research, 2018, 201, 299-306.	1.1	112
778	Gut Microbiota Composition in Mid-Pregnancy Is Associated with Gestational Weight Gain but Not Prepregnancy Body Mass Index. Journal of Women's Health, 2018, 27, 1293-1301.	1.5	22
779	Fermented Soybean Suppresses Visceral Fat Accumulation in Mice. Molecular Nutrition and Food Research, 2018, 62, e1701054.	1.5	26
780	An Overview of the Roles of the Gut Microbiome in Obesity and Diabetes. , 2018, , 65-91.		4
781	Gastrointestinal Microbial Ecology With Perspectives on Health and Disease. , 2018, , 737-753.		3
782	Gut Microbiome and Metabolism. , 2018, , 775-793.		3
783	Dietary Polyphenols, Gut Microbiota, and Intestinal Epithelial Health. , 2018, , 295-314.		2

#	Article	IF	Citations
784	A taxonomic signature of obesity in a large study of American adults. Scientific Reports, 2018, 8, 9749.	1.6	192
785	The Gut Microbiome as a Target for the Treatment of Type 2 Diabetes. Current Diabetes Reports, 2018, 18, 55.	1.7	85
786	Simultaneous quantification of straight-chain and branched-chain short chain fatty acids by gas chromatography mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 359-367.	1.2	51
787	The Gut Microbiome Profile in Obesity: A Systematic Review. International Journal of Endocrinology, 2018, 2018, 1-9.	0.6	362
788	Shortâ€chain fatty acids: microbial metabolites that alleviate stressâ€induced brainâ€"gut axis alterations. Journal of Physiology, 2018, 596, 4923-4944.	1.3	460
789	A soy-based probiotic drink modulates the microbiota and reduces body weight gain in diet-induced obese mice. Journal of Functional Foods, 2018, 48, 302-313.	1.6	27
790	Gut microbiota is associated with obesity and cardiometabolic disease in a population in the midst of Westernization. Scientific Reports, 2018, 8, 11356.	1.6	82
791	The Gut-Brain Axis, the Human Gut Microbiota and Their Integration in the Development of Obesity. Frontiers in Physiology, 2018, 9, 900.	1.3	122
792	Cecal versus fecal microbiota in Ossabaw swine and implications for obesity. Physiological Genomics, 2018, 50, 355-368.	1.0	33
793	Microbiome and Diseases: Metabolic Disorders. , 2018, , 251-277.		3
794	<i>Papio</i> spp. Colon microbiome and its link to obesity in pregnancy. Journal of Medical Primatology, 2018, 47, 393-401.	0.3	3
795	Interorgan Metabolic Crosstalk in Human Insulin Resistance. Physiological Reviews, 2018, 98, 1371-1415.	13.1	138
796	Flux, Impact, and Fate of Halogenated Xenobiotic Compounds in the Gut. Frontiers in Physiology, 2018, 9, 888.	1.3	44
797	Akkermansia muciniphila in the Human Gastrointestinal Tract: When, Where, and How?. Microorganisms, 2018, 6, 75.	1.6	286
798	Fucoidan alleviates dyslipidemia and modulates gut microbiota in high-fat diet-induced mice. Journal of Functional Foods, 2018, 48, 220-227.	1.6	55
799	Mechanistically different effects of fat and sugar on insulin resistance, hypertension, and gut microbiota in rats. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E552-E563.	1.8	39
800	A Glucagon-Like Peptide-1 Receptor Agonist Lowers Weight by Modulating the Structure of Gut Microbiota. Frontiers in Endocrinology, 2018, 9, 233.	1.5	90
801	Intestinal Microbiome Shifts, Dysbiosis, Inflammation, and Non-alcoholic Fatty Liver Disease. Frontiers in Microbiology, 2018, 9, 61.	1.5	141

#	Article	IF	Citations
802	Modulation of Active Gut Microbiota by Lactobacillus rhamnosus GG in a Diet Induced Obesity Murine Model. Frontiers in Microbiology, 2018, 9, 710.	1.5	45
803	Body Mass Index Differences in the Gut Microbiota Are Gender Specific. Frontiers in Microbiology, 2018, 9, 1250.	1.5	145
804	Urban Diets Linked to Gut Microbiome and Metabolome Alterations in Children: A Comparative Cross-Sectional Study in Thailand. Frontiers in Microbiology, 2018, 9, 1345.	1.5	55
805	Effects of the Brown Seaweed Laminaria japonica Supplementation on Serum Concentrations of IgG, Triglycerides, and Cholesterol, and Intestinal Microbiota Composition in Rats. Frontiers in Nutrition, 2018, 5, 23.	1.6	49
806	Pregestational overweight and obesity are associated with differences in gut microbiota composition and systemic inflammation in the third trimester. PLoS ONE, 2018, 13, e0200305.	1.1	64
807	Effects of the Artificial Sweetener Neotame on the Gut Microbiome and Fecal Metabolites in Mice. Molecules, 2018, 23, 367.	1.7	75
808	Non-nutritive sweeteners possess a bacteriostatic effect and alter gut microbiota in mice. PLoS ONE, 2018, 13, e0199080.	1.1	84
809	Functional Effects of the Buckwheat Iminosugar <scp>d</scp>â€Fagomine on Rats with Dietâ€Induced Prediabetes. Molecular Nutrition and Food Research, 2018, 62, e1800373.	1.5	18
810	The Role of Gut Microbiota in Obesity and Type 2 and Type 1 Diabetes Mellitus: New Insights into â€œOldâ€• Diseases. Medical Sciences (Basel, Switzerland), 2018, 6, 32.	1.3	103
811	Changes of Colonic Bacterial Composition in Parkinsonâ€™s Disease and Other Neurodegenerative Diseases. Nutrients, 2018, 10, 708.	1.7	215
812	Probiotics in the Rescue of Gut Inflammation. , 2018, , 101-116.		5
813	Diversity and population density of methanogens in the large intestine of pigs fed diets of different energy levels. Animal Science Journal, 2018, 89, 1468-1474.	0.6	3
814	Egg and Soy-Derived Peptides and Hydrolysates: A Review of Their Physiological Actions against Diabetes and Obesity. Nutrients, 2018, 10, 549.	1.7	47
815	Defining the gut microbiota in individuals with periodontal diseases: an exploratory study. Journal of Oral Microbiology, 2018, 10, 1487741.	1.2	96
816	The microbial reproductive ecology of whiteâ€faced capuchins (<i>Cebus capucinus</i>). American Journal of Primatology, 2018, 80, e22896.	0.8	36
817	Diet induced maternal obesity affects offspring gut microbiota and persists into young adulthood. Food and Function, 2018, 9, 4317-4327.	2.1	42
818	A polyphenol-rich prebiotic in combination with a novel probiotic formulation alleviates markers of obesity and diabetes in Drosophila. Journal of Functional Foods, 2018, 48, 374-386.	1.6	20
819	Similarity of the dog and human gut microbiomes in gene content and response to diet. Microbiome, 2018, 6, 72.	4.9	211

#	Article	IF	Citations
820	Modulation of gut microbiota from obese individuals by in vitro fermentation of citrus pectin in combination with Bifidobacterium longum BB-46. Applied Microbiology and Biotechnology, 2018, 102, 8827-8840.	1.7	55
821	Effects of <i>Bifidobacterium breve</i> B-3 on body fat reductions in pre-obese adults: a randomized, double-blind, placebo-controlled trial. Bioscience of Microbiota, Food and Health, 2018, 37, 67-75.	0.8	77
822	Lentil (<i>Lens culinaris</i> Medikus) Diet Affects the Gut Microbiome and Obesity Markers in Rat. Journal of Agricultural and Food Chemistry, 2018, 66, 8805-8813.	2.4	25
823	Metabolites as regulators of insulin sensitivity and metabolism. Nature Reviews Molecular Cell Biology, 2018, 19, 654-672.	16.1	369
824	Gut microbiome: Microflora association with obesity and obesity-related comorbidities. Microbial Pathogenesis, 2018, 124, 266-271.	1.3	22
825	Implication of gut microbiota metabolites in cardiovascular and metabolic diseases. Cellular and Molecular Life Sciences, 2018, 75, 3977-3990.	2.4	127
826	The effects of gut microbiota on metabolic outcomes in pregnant women and their offspring. Food and Function, 2018, 9, 4537-4547.	2.1	21
827	Influencia de la microbiota y de los probiÃ³ticos en la obesidad. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2018, 30, 271-279.	0.4	31
828	Intestinal Dysbiosis in Obesity, Metabolic Syndrome and Related Metabolic Diseases: Therapeutic Strategies Utilizing Dietary Modification, Pro- and Prebiotics, and Fecal Microbial Transplant (FMT) Therapy. , 2018, , 463-515.		0
829	Differences in gut microbiota associated with age, sex, and stool consistency in healthy Japanese subjects. Journal of Gastroenterology, 2019, 54, 53-63.	2.3	190
830	Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly. Probiotics and Antimicrobial Proteins, 2019, 11, 1182-1194.	1.9	33
831	Blueberry polyphenols extract as a potential prebiotic with anti-obesity effects on C57BL/6 J mice by modulating the gut microbiota. Journal of Nutritional Biochemistry, 2019, 64, 88-100.	1.9	199
832	Effect of Kombucha on gut-microbiota in mouse having non-alcoholic fatty liver disease. Food Science and Biotechnology, 2019, 28, 261-267.	1.2	46
833	A pilot study to examine the association between human gut microbiota and the host's central obesity. JGH Open, 2019, 3, 480-487.	0.7	13
834	The association between gut microbiota composition and BMI in Chinese male college students, as analysed by next-generation sequencing. British Journal of Nutrition, 2019, 122, 986-995.	1.2	46
835	The Gut Microbiome Influences Host Endocrine Functions. Endocrine Reviews, 2019, 40, 1271-1284.	8.9	179
836	Maternal Genistein Intake Mitigates the Deleterious Effects of High-Fat Diet on Glucose and Lipid Metabolism and Modulates Gut Microbiota in Adult Life of Male Mice. Frontiers in Physiology, 2019, 10, 985.	1.3	31
837	Fermentation of gum arabic by gut microbiota using in vitro colon model. AIP Conference Proceedings, 2019, , .	0.3	4

#	Article	IF	Citations
838	Changes of serum lipopolysaccharide, inflammatory factors, and cecal microbiota in obese rats with type 2 diabetes induced by Roux-en-Y gastric bypass. Nutrition, 2019, 67-68, 110565.	1.1	6
839	Long-Chain Bases from Sea Cucumber Alleviate Obesity by Modulating Gut Microbiota. Marine Drugs, 2019, 17, 455.	2.2	45
840	Dietary fat intake and age modulate the composition of the gut microbiota and colonic inflammation in C57BL/6J mice. BMC Microbiology, 2019, 19, 193.	1.3	78
841	Current understanding of the gut microbiota shaping mechanisms. Journal of Biomedical Science, 2019, 26, 59.	2.6	104
842	The Short-Chain Fatty Acid Acetate in Body Weight Control and Insulin Sensitivity. Nutrients, 2019, 11, 1943.	1.7	322
843	Diet, Gut Microbiota, and Obesity: Links with Host Genetics and Epigenetics and Potential Applications. Advances in Nutrition, 2019, 10, S17-S30.	2.9	255
844	A structured weight loss program increases gut microbiota phylogenetic diversity and reduces levels of Collinsella in obese type 2 diabetics: A pilot study. PLoS ONE, 2019, 14, e0219489.	1.1	82
845	Basal Diet Determined Long-Term Composition of the Gut Microbiome and Mouse Phenotype to a Greater Extent than Fecal Microbiome Transfer from Lean or Obese Human Donors. Nutrients, 2019, 11, 1630.	1.7	23
846	Pectin as an Alternative Feed Additive and Effects on Microbiota. , 2019, , 305-319.		1
847	Effect of Synbiotic Supplementation in a Veryâ€Lowâ€Calorie Ketogenic Diet on Weight Loss Achievement and Gut Microbiota: A Randomized Controlled Pilot Study. Molecular Nutrition and Food Research, 2019, 63, e1900167.	1.5	48
848	In vitro fecal fermentation of propionylated high-amylose maize starch and its impact on gut microbiota. Carbohydrate Polymers, 2019, 223, 115069.	5.1	72
849	Microbial communities in a dynamic in vitro model for the human ileum resemble the human ileal microbiota. FEMS Microbiology Ecology, 2019, 95, .	1.3	16
850	Gut-Brain Interactions. Gastroenterology Clinics of North America, 2019, 48, 343-356.	1.0	10
852	The gut microbiome in psychiatry: A primer for clinicians. Depression and Anxiety, 2019, 36, 1004-1025.	2.0	27
853	Propionate suppresses hepatic gluconeogenesis via GPR43/AMPK signaling pathway. Archives of Biochemistry and Biophysics, 2019, 672, 108057.	1.4	63
854	Microbiota-Related Changes in Unconjugated Fecal Bile Acids Are Associated With Naturally Occurring, Insulin-Dependent Diabetes Mellitus in Dogs. Frontiers in Veterinary Science, 2019, 6, 199.	0.9	35
855	Chemical Cross-Linking Controls in Vitro Fecal Fermentation Rate of High-Amylose Maize Starches and Regulates Gut Microbiota Composition. Journal of Agricultural and Food Chemistry, 2019, 67, 13728-13736.	2.4	42
856	Effects of 1, 3-dioleoyl-2-palmitoylglycerol and its plant-oil formula on the toddler fecal microbiota during <i>in vitro</i> fermentation. CYTA - Journal of Food, 2019, 17, 850-863.	0.9	2

#	Article	IF	Citations
857	Influence of Maternal Inulin-Type Prebiotic Intervention on Glucose Metabolism and Gut Microbiota in the Offspring of C57BL Mice. Frontiers in Endocrinology, 2019, 10, 675.	1.5	16
858	Maternal exercise before and during pregnancy alleviates metabolic dysfunction associated with high-fat diet in pregnant mice, without significant changes in gut microbiota. Nutrition Research, 2019, 69, 42-57.	1.3	9
859	Blautia genus associated with visceral fat accumulation in adults 20â€"76 years of age. Npj Biofilms and Microbiomes, 2019, 5, 28.	2.9	244
860	A Fermented Food Product Containing Lactic Acid Bacteria Protects ZDF Rats from the Development of Type 2 Diabetes. Nutrients, 2019, 11, 2530.	1.7	33
861	Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets. AMB Express, 2019, 9, 33.	1.4	15
862	Short Chain Fatty Acids and Fecal Microbiota Abundance in Humans with Obesity: A Systematic Review and Meta-Analysis. Nutrients, 2019, 11, 2512.	1.7	148
863	Exploring possible associations of the intestine bacterial microbiome with the pre-weaned weight gaining performance of piglets in intensive pig production. Scientific Reports, 2019, 9, 15534.	1.6	27
864	Metabolic and gut microbiome changes following GLP-1 or dual GLP-1/GLP-2 receptor agonist treatment in diet-induced obese mice. Scientific Reports, 2019, 9, 15582.	1.6	64
865	Gut Microbiota and Obesity: A Role for Probiotics. Nutrients, 2019, 11, 2690.	1.7	335
866	Combined Buckwheat d-Fagomine and Fish Omega-3 PUFAs Stabilize the Populations of Gut Prevotella and Bacteroides While Reducing Weight Gain in Rats. Nutrients, 2019, 11, 2606.	1.7	14
867	Relationship between gut microbiota, probiotics, and type 2 diabetes mellitus. Applied Microbiology and Biotechnology, 2019, 103, 9229-9238.	1.7	84
868	Role of Gut Dysbiosis in Liver Diseases: What Have We Learned So Far?. Diseases (Basel, Switzerland), 2019, 7, 58.	1.0	84
869	Effects of combined d-fagomine and omega-3 PUFAs on gut microbiota subpopulations and diabetes risk factors in rats fed a high-fat diet. Scientific Reports, 2019, 9, 16628.	1.6	13
870	Reduced Gut Microbiome Diversity and Metabolome Differences in Rhinoceros Species at Risk for Iron Overload Disorder. Frontiers in Microbiology, 2019, 10, 2291.	1.5	26
871	Functional Effects of EPS-Producing Bifidobacterium Administration on Energy Metabolic Alterations of Diet-Induced Obese Mice. Frontiers in Microbiology, 2019, 10, 1809.	1.5	35
872	The Microbiota-Gut-Brain Axis. Physiological Reviews, 2019, 99, 1877-2013.	13.1	2,304
873	Fish oil supplementation to a high-fat diet improves both intestinal health and the systemic obese phenotype. Journal of Nutritional Biochemistry, 2019, 72, 108216.	1.9	26
874	Circulating but not faecal short-chain fatty acids are related to insulin sensitivity, lipolysis and GLP-1 concentrations in humans. Scientific Reports, 2019, 9, 12515.	1.6	200

#	Article	IF	Citations
875	Predictors of Obesity among Gut Microbiota Biomarkers in African American Men with and without Diabetes. Microorganisms, 2019, 7, 320.	1.6	27
876	Supplementation of triple viable probiotics combined with dietary intervention is associated with gut microbial improvement in humans on a highâ€'fat diet. Experimental and Therapeutic Medicine, 2019, 18, 2262-2270.	0.8	13
877	Dramatic Remodeling of the Gut Microbiome Around Parturition and Its Relationship With Host Serum Metabolic Changes in Sows. Frontiers in Microbiology, 2019, 10, 2123.	1.5	22
878	The Gut Microbiota in Multiple Sclerosis: An Overview of Clinical Trials. Cell Transplantation, 2019, 28, 1507-1527.	1.2	122
879	Zn(II)-curcumin solid dispersion impairs hepatocellular carcinoma growth and enhances chemotherapy by modulating gut microbiota-mediated zinc homeostasis. Pharmacological Research, 2019, 150, 104454.	3.1	39
880	Dietary practices and nutrient intake among adolescents: A general review. Obesity Medicine, 2019, 16, 100145.	0.5	14
881	Interplay between the human gut microbiome and host metabolism. Nature Communications, 2019, 10, 4505.	5.8	450
882	Seasonal Changes in Gut Microbiota Diversity and Composition in the Greater Horseshoe Bat. Frontiers in Microbiology, 2019, 10, 2247.	1.5	45
883	Disturbance in the homeostasis of intestinal microbiota by a high-fat diet in the rice field eel (albus). Aquaculture, 2019, 502, 347-355.	1.7	41
884	Gut microbial metabolites in obesity, NAFLD and T2DM. Nature Reviews Endocrinology, 2019, 15, 261-273.	4.3	817
885	Probiotics: How Effective Are They in the Fight against Obesity?. Nutrients, 2019, 11, 258.	1.7	121
886	Inulin-Type Fructans Application in Gluten-Free Products: Functionality and Health Benefits. Reference Series in Phytochemistry, 2019, , 723-762.	0.2	0
887	The unique composition of Indian gut microbiome, gene catalogue, and associated fecal metabolome deciphered using multi-omics approaches. GigaScience, 2019, 8, .	3.3	143
888	The Super-Donor Phenomenon in Fecal Microbiota Transplantation. Frontiers in Cellular and Infection Microbiology, 2019, 9, 2.	1.8	262
889	Administration of N-Acyl-Phosphatidylethanolamine Expressing Bacteria to Low Density Lipoprotein Receptorâ˘'/â˘' Mice Improves Indices of Cardiometabolic Disease. Scientific Reports, 2019, 9, 420.	1.6	28
890	Screening and identification of gut anaerobes (Bacteroidetes) from human diabetic stool samples with and without retinopathy in comparison to control subjects. Microbial Pathogenesis, 2019, 129, 88-92.	1.3	23
891	Chlorogenic acid alleviates obesity and modulates gut microbiota in highâ€fatâ€fed mice. Food Science and Nutrition, 2019, 7, 579-588.	1.5	114
893	The effects of antipsychotic medications on microbiome and weight gain in children and adolescents. BMC Medicine, 2019, 17, 112.	2.3	58

#	Article	IF	Citations
894	Lactulose Breath Testing Can Be a Positive Predictor Before Weight Gain in Participants with Obesity Submitted to Roux-en-Y Gastric Bypass. Obesity Surgery, 2019, 29, 3457-3464.	1.1	3
895	Impact of different hypercaloric diets on obesity features in rats: a metagenomics and metabolomics integrative approach. Journal of Nutritional Biochemistry, 2019, 71, 122-131.	1.9	26
896	Microbial metabolites in non-alcoholic fatty liver disease. World Journal of Gastroenterology, 2019, 25, 2019-2028.	1.4	64
897	Review article: emerging role of the gut microbiome in the progression of nonalcoholic fatty liver disease and potential therapeutic implications. Alimentary Pharmacology and Therapeutics, 2019, 50, 144-158.	1.9	50
898	Low-Dose Stevia (Rebaudioside A) Consumption Perturbs Gut Microbiota and the Mesolimbic Dopamine Reward System. Nutrients, 2019, 11, 1248.	1.7	49
899	Acupuncture Regulating Gut Microbiota in Abdominal Obese Rats Induced by High-Fat Diet. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-12.	0.5	29
900	Gut Microbiota Dysbiosis in Human Obesity: Impact of Bariatric Surgery. Current Obesity Reports, 2019, 8, 229-242.	3.5	85
901	Effects of Different Diets on Microbiota in The Small Intestine Mucus and Weight Regulation in Rats. Scientific Reports, 2019, 9, 8500.	1.6	19
902	Altered microbiomes distinguish Alzheimerâ€™s disease from amnestic mild cognitive impairment and health in a Chinese cohort. Brain, Behavior, and Immunity, 2019, 80, 633-643.	2.0	358
903	Blood Microbial Communities During Pregnancy Are Associated With Preterm Birth. Frontiers in Microbiology, 2019, 10, 1122.	1.5	22
904	Wulingsan (Oryeongsan/Goreisan) ameliorate lipid metabolism of obesity rats via regulation of the plasma metabolic profiling. Biotechnology and Applied Biochemistry, 2019, 66, 654-663.	1.4	4
905	Navy bean supplemented high-fat diet improves intestinal health, epithelial barrier integrity and critical aspects of the obese inflammatory phenotype. Journal of Nutritional Biochemistry, 2019, 70, 91-104.	1.9	41
906	Effects of Weight-Loss Interventions on Short-Chain Fatty Acid Concentrations in Blood and Feces of Adults: A Systematic Review. Advances in Nutrition, 2019, 10, 673-684.	2.9	35
907	Gut microbiota of newborn piglets with intrauterine growth restriction have lower diversity and different taxonomic abundances. Journal of Applied Microbiology, 2019, 127, 354-369.	1.4	68
908	Antiobesity Effects of <i>Lactobacillus plantarum</i> LMT1-48 Accompanied by Inhibition of <i>Enterobacter cloacae</i> in the Intestine of Diet-Induced Obese Mice. Journal of Medicinal Food, 2019, 22, 560-566.	0.8	27
909	The short-chain fatty acid propionate increases glucagon and FABP4 production, impairing insulin action in mice and humans. Science Translational Medicine, 2019, 11, .	5.8	178
910	Comparison of the microbiome, metabolome, and lipidome of obese and non-obese horses. PLoS ONE, 2019, 14, e0215918.	1.1	21
911	Effects of Long-Term Dietary Protein Restriction on Intestinal Morphology, Digestive Enzymes, Gut Hormones, and Colonic Microbiota in Pigs. Animals, 2019, 9, 180.	1.0	26

#	Article	IF	Citations
912	Effects of synbiotics containing <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> GCL2505 and inulin on intestinal bifidobacteria: A randomized, placeboâ€controlled, crossover study. Food Science and Nutrition, 2019, 7, 1828-1837.	1.5	23
913	Amelioration of obesity-related biomarkers by Lactobacillus sakei CJLS03 in a high-fat diet-induced obese murine model. Scientific Reports, 2019, 9, 6821.	1.6	33
914	Beneficial effects of tea water extracts on the body weight and gut microbiota in C57BL/6J mice fed with a high-fat diet. Food and Function, 2019, 10, 2847-2860.	2.1	101
915	High dietary fat intake lowers serum equol concentration and promotes prostate carcinogenesis in a transgenic mouse prostate model. Nutrition and Metabolism, 2019, 16, 24.	1.3	24
916	Reduction of faecal immunochemical test falseâ€positive results using a signature based on faecal bacterial markers. Alimentary Pharmacology and Therapeutics, 2019, 49, 1410-1420.	1.9	12
917	Precision Nutrition and the Microbiome, Part I: Current State of the Science. Nutrients, 2019, 11, 923.	1.7	220
918	Crosstalk between gut microbiota and antidiabetic drug action. World Journal of Diabetes, 2019, 10, 154-168.	1.3	61
919	Microbial catabolism of Porphyra haitanensis polysaccharides by human gut microbiota. Food Chemistry, 2019, 289, 177-186.	4.2	98
920	Michigan cohorts to determine associations of maternal pre-pregnancy body mass index with pregnancy and infant gastrointestinal microbial communities: Late pregnancy and early infancy. PLoS ONE, 2019, 14, e0213733.	1.1	49
921	Metabolic footprint and intestinal microbial changes in response to dietary proteins in a pig model. Journal of Nutritional Biochemistry, 2019, 67, 149-160.	1.9	4
922	Dietary <i>Î±</i>-lactalbumin alters energy balance, gut microbiota composition and intestinal nutrient transporter expression in high-fat diet-fed mice. British Journal of Nutrition, 2019, 121, 1097-1107.	1.2	21
923	Probiotics and Prebiotics for the Amelioration of Type 1 Diabetes: Present and Future Perspectives. Microorganisms, 2019, 7, 67.	1.6	89
924	Impact of molecular interactions with phenolic compounds on food polysaccharides functionality. Advances in Food and Nutrition Research, 2019, 90, 135-181.	1.5	34
925	Patient perception and approval of faecal microbiota transplantation (FMT) as an alternative treatment option for obesity. Obesity Science and Practice, 2019, 5, 68-74.	1.0	13
926	Optimal Dietary Ferulic Acid for Suppressing the Obesity-Related Disorders in Leptin-Deficient Obese C57BL/6J<i>-ob/ob</i> Mice. Journal of Agricultural and Food Chemistry, 2019, 67, 4250-4258.	2.4	38
927	Secondary Bile Acids and Short Chain Fatty Acids in the Colon: A Focus on Colonic Microbiome, Cell Proliferation, Inflammation, and Cancer. International Journal of Molecular Sciences, 2019, 20, 1214.	1.8	270
928	Differential composition of gut microbiota among healthy volunteers, morbidly obese patients and postâ€bariatric surgery patients. Experimental and Therapeutic Medicine, 2019, 17, 2268-2278.	0.8	23
929	Nonalcoholic fatty liver disease and the gut microbiome: Are bacteria responsible for fatty liver?. Experimental Biology and Medicine, 2019, 244, 408-418.	1.1	19

#	Article	IF	Citations
930	Obesity, Motility, Diet, and Intestinal Microbiotaâ€”Connecting the Dots. Current Gastroenterology Reports, 2019, 21, 15.	1.1	22
931	Fecal and blood microbiota profiles and presence of nonalcoholic fatty liver disease in obese versus lean subjects. PLoS ONE, 2019, 14, e0213692.	1.1	70
932	The Role of Probiotics and Prebiotics in the Prevention and Treatment of Obesity. Nutrients, 2019, 11, 635.	1.7	254
933	Determination of berberine-upregulated endogenous short-chain fatty acids through derivatization by 2-bromoacetophenone. Analytical and Bioanalytical Chemistry, 2019, 411, 3191-3207.	1.9	27
934	Bacupari (Garcinia brasiliensis) extract modulates intestinal microbiota and reduces oxidative stress and inflammation in obese rats. Food Research International, 2019, 122, 199-208.	2.9	12
935	Differential influence of molybdenum disulfide at the nanometer and micron scales in the intestinal metabolome and microbiome of mice. Environmental Science: Nano, 2019, 6, 1594-1606.	2.2	21
936	Dietary supplementation with inulin-propionate ester or inulin improves insulin sensitivity in adults with overweight and obesity with distinct effects on the gut microbiota, plasma metabolome and systemic inflammatory responses: a randomised cross-over trial. Gut, 2019, 68, 1430-1438.	6.1	235
937	Gut microbiota and short-chain fatty acids (SCFAs) profiles of normal and overweight school children in Selangor after probiotics administration. Journal of Functional Foods, 2019, 57, 103-111.	1.6	31
938	The Effects of Vegetarian and Vegan Diets on Gut Microbiota. Frontiers in Nutrition, 2019, 6, 47.	1.6	389
939	Serum level of sex steroid hormone is associated with diversity and profiles of human gut microbiome. Research in Microbiology, 2019, 170, 192-201.	1.0	175
940	The role of diet and intestinal microbiota in the development of metabolic syndrome. Journal of Nutritional Biochemistry, 2019, 70, 1-27.	1.9	116
941	Metabolic and Gut Microbial Characterization of Obesity-Prone Mice under a High-Fat Diet. Journal of Proteome Research, 2019, 18, 1703-1714.	1.8	33
942	Alterations in intestinal microbiota of colorectal cancer patients receiving radical surgery combined with adjuvant CapeOx therapy. Science China Life Sciences, 2019, 62, 1178-1193.	2.3	42
943	Saturated Fat Ingestion Promotes Lipopolysaccharide-Mediated Inflammation and Insulin Resistance in Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 934-946.	1.8	57
944	Metabolic improvement in obese patients after duodenalâ€“jejunal exclusion is associated with intestinal microbiota composition changes. International Journal of Obesity, 2019, 43, 2509-2517.	1.6	19
945	The Gut Microbiome After Bariatric Surgery. , 2019, , 235-242.		2
946	<i>In vitro</i> potential of flavonoids from tartary buckwheat on antioxidants activity and starch digestibility. International Journal of Food Science and Technology, 2019, 54, 2209-2218.	1.3	21
947	Causal relationships among the gut microbiome, short-chain fatty acids and metabolic diseases. Nature Genetics, 2019, 51, 600-605.	9.4	854

#	Article	IF	Citations
948	The Role of the Microbiome in Cancer Initiation and Progression: How Microbes and Cancer Cells Utilize Excess Energy and Promote One Anotherâ€™s Growth. Current Nutrition Reports, 2019, 8, 42-51.	2.1	80
949	Corn starch dextrin changes intestinal microbiota and its metabolic activity in rats fed a basal and high-fat diet. British Food Journal, 2019, 121, 2219-2232.	1.6	7
950	Bioactive factors secreted by Bifidobacterium breve B-3 enhance barrier function in human intestinal Caco-2 cells. Beneficial Microbes, 2019, 10, 89-100.	1.0	13
952	Non-nutritive Sweeteners and Glycaemic Control. Current Atherosclerosis Reports, 2019, 21, 49.	2.0	14
953	Attenuation of metabolic syndrome in the ob/ob mouse model by resistant starch intervention is dose dependent. Food and Function, 2019, 10, 7940-7951.	2.1	19
954	Microbiota, type 2 diabetes and non-alcoholic fatty liver disease: protocol of an observational study. Journal of Translational Medicine, 2019, 17, 408.	1.8	7
955	Gut Microbiota Has a Widespread and Modifiable Effect on Host Gene Regulation. MSystems, 2019, 4, .	1.7	74
956	The Role of the Gut Microbiota in Lipid and Lipoprotein Metabolism. Journal of Clinical Medicine, 2019, 8, 2227.	1.0	82
957	Monitoring type 2 diabetes from volatile faecal metabolome in Cushingâ€™s syndrome and single Afmid mouse models via a longitudinal study. Scientific Reports, 2019, 9, 18779.	1.6	15
958	Culture of Methanogenic Archaea from Human Colostrum and Milk. Scientific Reports, 2019, 9, 18653.	1.6	43
959	Alterations to the microbiotaâ€“colonâ€“brain axis in high-fat-diet-induced obese mice compared to diet-resistant mice. Journal of Nutritional Biochemistry, 2019, 65, 54-65.	1.9	51
960	Adipocyte biology: It is time to upgrade to a new model. Journal of Cellular Physiology, 2019, 234, 2399-2425.	2.0	21
961	Higher Fecal Short-Chain Fatty Acid Levels Are Associated with Gut Microbiome Dysbiosis, Obesity, Hypertension and Cardiometabolic Disease Risk Factors. Nutrients, 2019, 11, 51.	1.7	312
962	Gut microbiota and overweight in 3-year old children. International Journal of Obesity, 2019, 43, 713-723.	1.6	31
963	Gut microbiome approaches to treat obesity in humans. Applied Microbiology and Biotechnology, 2019, 103, 1081-1094.	1.7	41
964	Microbiological In Vivo Production of CLNA as a Tool in the Regulation of Host Microbiota in Obesity Control. Studies in Natural Products Chemistry, 2019, 61, 369-394.	0.8	3
965	Educational intervention improves fruit and vegetable intake in young adults with metabolic syndrome components. Nutrition Research, 2019, 62, 89-100.	1.3	14
966	The role of the microbiome in <scp>NAFLD</scp> and <scp>NASH</scp>. EMBO Molecular Medicine, 2019, 11, .	3.3	368

#	Article	IF	Citations
967	Modulation of broiler gut microbiota and gene expression of Toll-like receptors and tight junction proteins by diet type and inclusion of phytogenics. Poultry Science, 2019, 98, 2220-2230.	1.5	22
968	Dietary fat, the gut microbiota, and metabolic health â€“ A systematic review conducted within the MyNewGut project. Clinical Nutrition, 2019, 38, 2504-2520.	2.3	175
969	Hydrogen cross-feeders of the human gastrointestinal tract. Gut Microbes, 2019, 10, 270-288.	4.3	100
970	Importance of gut microbiota in obesity. European Journal of Clinical Nutrition, 2019, 72, 26-37.	1.3	88
971	Berberine alleviates insulin resistance by reducing peripheral branched-chain amino acids. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E73-E85.	1.8	93
972	Interleukinâ€17/interleukinâ€17 receptor axis elicits intestinal neutrophil migration, restrains gut dysbiosis and lipopolysaccharide translocation in highâ€fat dietâ€induced metabolic syndrome model. Immunology, 2019, 156, 339-355.	2.0	52
973	Probiotics supplementation for the obesity management; A systematic review of animal studies and clinical trials. Journal of Functional Foods, 2019, 52, 228-242.	1.6	89
974	Second-generation antipsychotics and metabolism alterations: a systematic review of the role of the gut microbiome. Psychopharmacology, 2019, 236, 1491-1512.	1.5	72
975	Impact of Gut Microbiota on Host Glycemic Control. Frontiers in Endocrinology, 2019, 10, 29.	1.5	133
976	The Gutâ€“Brain Axis in the Neuropsychological Disease Model of Obesity: A Classical Movie Revised by the Emerging Director â€œMicrobiomeâ€. Nutrients, 2019, 11, 156.	1.7	50
977	Broiler gut microbiota and expressions of gut barrier genes affected by cereal type and phytogenic inclusion. Animal Nutrition, 2019, 5, 22-31.	2.1	29
978	Microbial regulation of organismal energy homeostasis. Nature Metabolism, 2019, 1, 34-46.	5.1	354
979	Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice. Journal of Nutritional Biochemistry, 2019, 66, 63-69.	1.9	47
980	Alteration in gut microbiota associated with hepatitis B and non-hepatitis virus related hepatocellular carcinoma. Gut Pathogens, 2019, 11, 1.	1.6	143
981	Probiotics improve gut microbiota dysbiosis in obese mice fed a high-fat or high-sucrose diet. Nutrition, 2019, 60, 175-184.	1.1	326
982	Gut Microbiota; Its Importance in Obesity. , 2019, , 353-362.		1
983	An overview of energy and metabolic regulation. Science China Life Sciences, 2019, 62, 771-790.	2.3	29
984	Obesity, diabetes, and the gut microbiome: an updated review. Expert Review of Gastroenterology and Hepatology, 2019, 13, 3-15.	1.4	139

#	Article	IF	Citations
985	Polysaccharides from Laminaria japonica alleviated metabolic syndrome in BALB/c mice by normalizing the gut microbiota. International Journal of Biological Macromolecules, 2019, 121, 996-1004.	3.6	59
986	Robustness of the non-neuronal cholinergic system in rat large intestine against luminal challenges. Pflugers Archiv European Journal of Physiology, 2019, 471, 605-618.	1.3	7
987	Structural characteristics and hepatoprotective potential of Aralia elata root bark polysaccharides and their effects on SCFAs produced by intestinal flora metabolism. Carbohydrate Polymers, 2019, 207, 256-265.	5.1	51
988	Obesity and mental health improvement following nutritional education focusing on gut microbiota composition in Japanese women: a randomised controlled trial. European Journal of Nutrition, 2019, 58, 3291-3302.	1.8	31
989	Non-alcoholic fatty liver disease and obesity: the role of the gut bacteria. European Journal of Nutrition, 2019, 58, 1771-1784.	1.8	30
990	You are what you eat: diet, health and the gut microbiota. Nature Reviews Gastroenterology and Hepatology, 2019, 16, 35-56.	8.2	980
991	Emerging Role of the Gut Microbiome in Nonalcoholic Fatty Liver Disease: From Composition to Function. Clinical Gastroenterology and Hepatology, 2019, 17, 296-306.	2.4	121
992	Targeting the gut microbiota by dietary nutrients: A new avenue for human health. Critical Reviews in Food Science and Nutrition, 2019, 59, 181-195.	5.4	38
993	Reduced meal frequency alleviates high-fat diet-induced lipid accumulation and inflammation in adipose tissue of pigs under the circumstance of fixed feed allowance. European Journal of Nutrition, 2020, 59, 595-608.	1.8	34
994	Interactions of dietary fat with the gut microbiota: Evaluation of mechanisms and metabolic consequences. Clinical Nutrition, 2020, 39, 994-1018.	2.3	61
995	Gut microbiota and obesity: Impact of antibiotics and prebiotics and potential for musculoskeletal health. Journal of Sport and Health Science, 2020, 9, 110-118.	3.3	20
996	Gut microbiome and its role in obesity and insulin resistance. Annals of the New York Academy of Sciences, 2020, 1461, 37-52.	1.8	186
997	Variants in genes of innate immunity, appetite control and energy metabolism are associated with host cardiometabolic health and gut microbiota composition. Gut Microbes, 2020, 11, 556-568.	4.3	7
998	Associations of gut microbiota, dietary intake, and serum short-chain fatty acids with fecal short-chain fatty acids. Bioscience of Microbiota, Food and Health, 2020, 39, 11-17.	0.8	37
999	Impact of kestose supplementation on the healthy adult microbiota in inÂvitro fecal batch cultures. Anaerobe, 2020, 61, 102076.	1.0	11
1000	Biological fates of tea polyphenols and their interactions with microbiota in the gastrointestinal tract: implications on health effects. Critical Reviews in Food Science and Nutrition, 2020, 60, 2691-2709.	5.4	63
1001	Could High-Amylose Wheat Have Greater Benefits on Diabesity and Gut Health than Standard Whole-wheat?. Food Reviews International, 2020, 36, 713-725.	4.3	3
1002	Characterization of seaweed hypoglycemic property with integration of virtual screening for identification of bioactive compounds. Journal of Functional Foods, 2020, 64, 103656.	1.6	10

#	Article	IF	Citations
1003	Intersection of the Gut Microbiome and Circadian Rhythms in Metabolism. Trends in Endocrinology and Metabolism, 2020, 31, 25-36.	3.1	89
1004	<i>In vitro</i> approach to evaluate the fermentation pattern of inulin-rich food in obese individuals. British Journal of Nutrition, 2020, 123, 472-479.	1.2	3
1005	The Gut Microbiota Affects Host Pathophysiology as an Endocrine Organ: A Focus on Cardiovascular Disease. Nutrients, 2020, 12, 79.	1.7	52
1006	Health-Promoting Properties of Proanthocyanidins for Intestinal Dysfunction. Nutrients, 2020, 12, 130.	1.7	60
1007	Beneficial effects of flaxseed polysaccharides on metabolic syndrome via gut microbiota in high-fat diet fed mice. Food Research International, 2020, 131, 108994.	2.9	84
1008	Far infrared radiation induces changes in gut microbiota and activates GPCRs in mice. Journal of Advanced Research, 2020, 22, 145-152.	4.4	11
1009	Gut Microbiota: A Perspective for Psychiatrists. Neuropsychobiology, 2020, 79, 50-62.	0.9	87
1010	Effects of yeast cultures with different fermentation times on the growth performance, caecal microbial community and metabolite profile of broilers. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 212-223.	1.0	13
1011	Supplementation of Inulin with Various Degree of Polymerization Ameliorates Liver Injury and Gut Microbiota Dysbiosis in High Fat-Fed Obese Mice. Journal of Agricultural and Food Chemistry, 2020, 68, 779-787.	2.4	62
1012	Association between breath methane concentration and visceral fat area: a population-based cross-sectional study. Journal of Breath Research, 2020, 14, 026008.	1.5	6
1013	Non-alcoholic fatty liver diseases: from role of gut microbiota to microbial-based therapies. European Journal of Clinical Microbiology and Infectious Diseases, 2020, 39, 613-627.	1.3	33
1014	Longitudinal studies can identify distinct inflammatory cytokines associated with the inhibition or progression of liver cancer. Liver International, 2020, 40, 468-472.	1.9	13
1015	Effect of tartary buckwheat, rutin, and quercetin on lipid metabolism in rats during high dietary fat intake. Food Science and Nutrition, 2020, 8, 199-213.	1.5	53
1016	The role of gut microbiota in the resistance to obesity in mice fed a high fat diet. International Journal of Food Sciences and Nutrition, 2020, 71, 453-463.	1.3	53
1017	Obesity affects brain structure and function- rescue by bariatric surgery?. Neuroscience and Biobehavioral Reviews, 2020, 108, 646-657.	2.9	58
1018	Oral treatment with Lactobacillus reuteri attenuates depressive-like behaviors and serotonin metabolism alterations induced by chronic social defeat stress. Journal of Psychiatric Research, 2020, 122, 70-78.	1.5	59
1019	Cell Wall Integrity of Pulse Modulates the in Vitro Fecal Fermentation Rate and Microbiota Composition. Journal of Agricultural and Food Chemistry, 2020, 68, 1091-1100.	2.4	51
1020	Improvement in Uncontrolled Eating Behavior after Laparoscopic Sleeve Gastrectomy Is Associated with Alterations in the Brainâ€“Gutâ€“Microbiome Axis in Obese Women. Nutrients, 2020, 12, 2924.	1.7	20

#	Article	IF	Citations
1021	Bacteroides thetaiotaomicron Fosters the Growth of Butyrate-Producing Anaerostipes caccae in the Presence of Lactose and Total Human Milk Carbohydrates. Microorganisms, 2020, 8, 1513.	1.6	26
1022	Caffeic acid reduces body weight by regulating gut microbiota in diet-induced-obese mice. Journal of Functional Foods, 2020, 74, 104061.	1.6	38
1023	Antibiotic affects the gut microbiota composition and expression of genes related to lipid metabolism and myofiber types in skeletal muscle of piglets. BMC Veterinary Research, 2020, 16, 392.	0.7	14
1024	Beneficial Effects of Proanthocyanidins on Intestinal Permeability and Its Relationship with Inflammation. , 0, , .		0
1025	A metagenome-wide association study of gut microbiome and visceral fat accumulation. Computational and Structural Biotechnology Journal, 2020, 18, 2596-2609.	1.9	36
1026	Butyrate generated by gut microbiota and its therapeutic role in metabolic syndrome. Pharmacological Research, 2020, 160, 105174.	3.1	57
1027	The Effect of Athletesâ€™ Probiotic Intake May Depend on Protein and Dietary Fiber Intake. Nutrients, 2020, 12, 2947.	1.7	14
1028	Gut microbiota and old age: Modulating factors and interventions for healthy longevity. Experimental Gerontology, 2020, 141, 111095.	1.2	61
1029	Microbiome-based stratification to guide dietary interventions to improve human health. Nutrition Research, 2020, 82, 1-10.	1.3	21
1030	Kang-Xian Pills Inhibit Inflammatory Response and Decrease Gut Permeability to Treat Carbon Tetrachloride-Induced Chronic Hepatic Injury through Modulating Gut Microbiota. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-14.	0.5	5
1031	The Gut Microbiota and Inflammation: An Overview. International Journal of Environmental Research and Public Health, 2020, 17, 7618.	1.2	296
1032	The antidiabetic effect and potential mechanisms of natural polysaccharides based on the regulation of gut microbiota. Journal of Functional Foods, 2020, 75, 104222.	1.6	32
1033	Effects of a Low-Fat Vegan Diet on Gut Microbiota in Overweight Individuals and Relationships with Body Weight, Body Composition, and Insulin Sensitivity. A Randomized Clinical Trial. Nutrients, 2020, 12, 2917.	1.7	51
1034	Targeting gut microbiota for precision medicine: Focusing on the efficacy and toxicity of drugs. Theranostics, 2020, 10, 11278-11301.	4.6	56
1035	Anti-fatigue activities of hairtail (Trichiurus lepturus) hydrolysate in an endurance swimming mice model. Journal of Functional Foods, 2020, 74, 104207.	1.6	29
1036	Lactobacillus plantarum prevents obesity via modulation of gut microbiota and metabolites in high-fat feeding mice. Journal of Functional Foods, 2020, 73, 104103.	1.6	32
1037	Pharmacological and metagenomics evidence of polysaccharide from Polygonum multiflorum in the alleviation of insulin resistance. International Journal of Biological Macromolecules, 2020, 164, 1070-1079.	3.6	12
1038	Microbiome response to diet: focus on obesity and related diseases. Reviews in Endocrine and Metabolic Disorders, 2020, 21, 369-380.	2.6	28

#	Article	IF	Citations
1039	Interactions Between Gut Microbiota, Host, and Herbal Medicines: A Review of New Insights Into the Pathogenesis and Treatment of Type 2 Diabetes. Frontiers in Cellular and Infection Microbiology, 2020, 10, 360.	1.8	25
1040	Probiotics, prebiotics, and synbiotics: Current status and future uses for human health. , 2020, , 173-190.		9
1041	Microbiota Transplant in the Treatment of Obesity and Diabetes: Current and Future Perspectives. Frontiers in Microbiology, 2020, 11, 590370.	1.5	40
1042	Organismal Fructose Metabolism in Health and Non-Alcoholic Fatty Liver Disease. Biology, 2020, 9, 405.	1.3	11
1043	Distinct microbial assemblages associated with genetic selection for high- and low- muscle yield in rainbow trout. BMC Genomics, 2020, 21, 820.	1.2	7
1044	Does geographical variation confound the relationship between host factors and the human gut microbiota: a population-based study in China. BMJ Open, 2020, 10, e038163.	0.8	20
1046	Integrative and quantitative bioenergetics: Design of a study to assess the impact of the gut microbiome on host energy balance. Contemporary Clinical Trials Communications, 2020, 19, 100646.	0.5	15
1047	Fructose-Induced Intestinal Microbiota Shift Following Two Types of Short-Term High-Fructose Dietary Phases. Nutrients, 2020, 12, 3444.	1.7	36
1048	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
1049	Understanding the Heterogeneity of Obesity and the Relationship to the Brain-Gut Axis. Nutrients, 2020, 12, 3701.	1.7	7
1050	Short-Chain Fatty Acids: A Soldier Fighting Against Inflammation and Protecting From Tumorigenesis in People With Diabetes. Frontiers in Immunology, 2020, 11, 590685.	2.2	41
1051	Modulation of the Gut Microbiome and Obesity Biomarkers by Lactobacillus Plantarum KC28 in a Diet-Induced Obesity Murine Model. Probiotics and Antimicrobial Proteins, 2021, 13, 677-697.	1.9	8
1052	Kefiran fermentation by human faecal microbiota: Organic acids production and in vitro biological activity. Bioactive Carbohydrates and Dietary Fibre, 2020, 24, 100229.	1.5	7
1053	Raw milk and fecal microbiota of commercial Alpine dairy cows varies with herd, fat content and diet. PLoS ONE, 2020, 15, e0237262.	1.1	13
1054	Microbiome and pediatric obesity, malnutrition, and nutrition. , 2020, , 157-181.		5
1055	Positive metabolic effects of selected probiotic bacteria on dietâ€induced obesity in mice are associated with improvement of dysbiotic gut microbiota. FASEB Journal, 2020, 34, 12289-12307.	0.2	24
1056	Systems Biology Approaches to Understand the Hostâ€“Microbiome Interactions in Neurodegenerative Diseases. Frontiers in Neuroscience, 2020, 14, 716.	1.4	39
1057	Modulation of the Gut Microbiota by Olive Oil Phenolic Compounds: Implications for Lipid Metabolism, Immune System, and Obesity. Nutrients, 2020, 12, 2200.	1.7	48

#	Article	IF	Citations
1058	Effect of exposure to gaseous hydrogen sulphide on cecal microbial diversity of weaning pigs. Veterinary Medicine and Science, 2021, 7, 424.	0.6	2
1059	Circulating Short-Chain Fatty Acids Are Positively Associated with Adiposity Measures in Chinese Adults. Nutrients, 2020, 12, 2127.	1.7	21
1060	Essential oils and microbiota: Implications for diet and weight control. Trends in Food Science and Technology, 2020, 104, 60-71.	7.8	14
1061	Altered Metabolome of Lipids and Amino Acids Species: A Source of Early Signature Biomarkers of T2DM. Journal of Clinical Medicine, 2020, 9, 2257.	1.0	32
1062	Gut Microbiota Associations with Metabolic Health and Obesity Status in Older Adults. Nutrients, 2020, 12, 2364.	1.7	34
1063	Microbiota and Fatty Liver Diseaseâ€"the Known, the Unknown, and the Future. Cell Host and Microbe, 2020, 28, 233-244.	5.1	115
1064	Vitamin D Supplementation in Laboratory-Bred Mice: An In Vivo Assay on Gut Microbiome and Body Weight. Microbiology Insights, 2020, 13, 117863612094529.	0.9	2
1065	Gut Microbiota as a Trigger for Metabolic Inflammation in Obesity and Type 2 Diabetes. Frontiers in Immunology, 2020, 11, 571731.	2.2	281
1066	Differential Responses to Dietary Protein and Carbohydrate Ratio on Gut Microbiome in Obese vs. Lean Cats. Frontiers in Microbiology, 2020, 11, 591462.	1.5	7
1067	The Influence of the Gut Microbiome on Obesity in Adults and the Role of Probiotics, Prebiotics, and Synbiotics for Weight Loss. Preventive Nutrition and Food Science, 2020, 25, 113-123.	0.7	157
1068	Gut Microbiota and Oral Contraceptive Use in Overweight and Obese Patients with Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e4792-e4800.	1.8	38
1069	Can the FUT 2 Gene Variant Have an Effect on the Body Weight of Patients Undergoing Bariatric Surgery?â€"Preliminary, Exploratory Study. Nutrients, 2020, 12, 2621.	1.7	2
1070	Intestinal microbial metabolites in human metabolism and type 2 diabetes. Diabetologia, 2020, 63, 2533-2547.	2.9	56
1071	The role of gut microbiota (GM) and GM-related metabolites in diabetes and obesity. A review of analytical methods used to measure GM-related metabolites in fecal samples with a focus on metabolitesâ€™ derivatization step. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113617.	1.4	16
1072	Liraglutide modulates gut microbiome and attenuates nonalcoholic fatty liver in db/db mice. Life Sciences, 2020, 261, 118457.	2.0	49
1073	Gut microbiota: a perspective of precision medicine in endocrine disorders. Journal of Diabetes and Metabolic Disorders, 2020, 19, 1827-1834.	0.8	11
1074	Gut microbes from the phylogenetically diverse genus<i>Eubacterium</i>and their various contributions to gut health. Gut Microbes, 2020, 12, 1802866.	4.3	238
1075	Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations. Frontiers in Microbiology, 2020, 11, 580931.	1.5	4

#	Article	IF	Citations
1076	Plasma metabolomic study in perinatally HIV-infected children using 1H NMR spectroscopy reveals perturbed metabolites that sustain during therapy. PLoS ONE, 2020, 15, e0238316.	1.1	7
1077	Effects of Smoking and Smoking Cessation on the Intestinal Microbiota. Journal of Clinical Medicine, 2020, 9, 2963.	1.0	25
1078	The gut microbiome in dogs with congestive heart failure: a pilot study. Scientific Reports, 2020, 10, 13777.	1.6	15
1079	Relationship between Diet, Microbiota, and Healthy Aging. Biomedicines, 2020, 8, 287.	1.4	22
1080	Data integration for prediction of weight loss in randomized controlled dietary trials. Scientific Reports, 2020, 10, 20103.	1.6	10
1081	Influence of Lab Adapted Natural Diet and Microbiota on Life History and Metabolic Phenotype of Drosophila melanogaster. Microorganisms, 2020, 8, 1972.	1.6	2
1082	The Human Microbiota in Endocrinology: Implications for Pathophysiology, Treatment, and Prognosis in Thyroid Diseases. Frontiers in Endocrinology, 2020, 11, 586529.	1.5	37
1083	The Gut Microbiota: A Potential Gateway to Improved Health Outcomes in Breast Cancer Treatment and Survivorship. International Journal of Molecular Sciences, 2020, 21, 9239.	1.8	29
1084	The Bacterial Microbiome in the Small Intestine of Hooded Seals (Cystophora cristata). Microorganisms, 2020, 8, 1664.	1.6	5
1085	Effect of stevia on the gut microbiota and glucose tolerance in a murine model of diet-induced obesity. FEMS Microbiology Ecology, 2020, 96, .	1.3	22
1086	Intergenerational transfer of Dechlorane Plus and the associated long-term effects on the structure and function of gut microbiota in offspring. Environment International, 2020, 141, 105770.	4.8	11
1087	The gut microbiota and Bergmannâ€™s rule in wild house mice. Molecular Ecology, 2020, 29, 2300-2311.	2.0	28
1088	The Firmicutes/Bacteroidetes Ratio: A Relevant Marker of Gut Dysbiosis in Obese Patients?. Nutrients, 2020, 12, 1474.	1.7	997
1089	Understanding the interplay between food structure, intestinal bacterial fermentation and appetite control. Proceedings of the Nutrition Society, 2020, 79, 514-530.	0.4	22
1090	<i>Trans</i>-fatty acids alter the gut microbiota in high-fat-diet-induced obese rats. British Journal of Nutrition, 2020, 124, 1251-1263.	1.2	19
1091	Lactobacillus plantarum FRT10 alleviated high-fat dietâ€"induced obesity in mice through regulating the PPARÎ± signal pathway and gut microbiota. Applied Microbiology and Biotechnology, 2020, 104, 5959-5972.	1.7	40
1092	Individual and cohort-specific gut microbiota patterns associated with tissue-specific insulin sensitivity in overweight and obese males. Scientific Reports, 2020, 10, 7523.	1.6	21
1093	The probiotic <i>L. casei</i> LC-XCALâ„¢ improves metabolic health in a diet-induced obesity mouse model without altering the microbiome. Gut Microbes, 2020, 12, 1747330.	4.3	16

#	Article	IF	Citations
1094	Gut Microbiota and Gestational Diabetes Mellitus: A Review of Host-Gut Microbiota Interactions and Their Therapeutic Potential. Frontiers in Cellular and Infection Microbiology, 2020, 10, 188.	1.8	113
1095	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
1096	Obesity as a risk factor for COVID-19: an overview. Critical Reviews in Food Science and Nutrition, 2021, 61, 2262-2276.	5.4	102
1097	Gut Microbiota Profiles of Treated Metabolic Syndrome Patients and their Relationship with Metabolic Health. Scientific Reports, 2020, 10, 10085.	1.6	27
1098	Serum metabolites reflecting gut microbiome alpha diversity predict type 2 diabetes. Gut Microbes, 2020, 11, 1632-1642.	4.3	65
1099	Impacts of foodborne inorganic nanoparticles on the gut microbiota-immune axis: potential consequences for host health. Particle and Fibre Toxicology, 2020, 17, 19.	2.8	93
1100	Bletilla striata oligosaccharides improve metabolic syndrome through modulation of gut microbiota and intestinal metabolites in high fat diet-fed mice. Pharmacological Research, 2020, 159, 104942.	3.1	31
1101	Fish oil extracted from Coregonus peled improves obese phenotype and changes gut microbiota in a high-fat diet-induced mouse model of recurrent obesity. Food and Function, 2020, 11, 6158-6169.	2.1	11
1102	Evaluation of Microbiota and Weight Alterations After the Administration of Tetracycline and Lactobacillus gasseri in Rats. Current Microbiology, 2020, 77, 2449-2455.	1.0	4
1103	Gut microbiome transferâ€"Finding the perfect fit. Clinical Endocrinology, 2020, 93, 3-10.	1.2	6
1104	Liraglutide Attenuates Nonalcoholic Fatty Liver Disease by Modulating Gut Microbiota in Rats Administered a High-Fat Diet. BioMed Research International, 2020, 2020, 1-10.	0.9	14
1105	Two Bariatric Surgical Procedures Differentially Alter the Intestinal Microbiota in Obesity Patients. Obesity Surgery, 2020, 30, 2345-2361.	1.1	19
1106	Genotype and Environment Effects on Prebiotic Carbohydrate Concentrations in Kabuli Chickpea Cultivars and Breeding Lines Grown in the U.S. Pacific Northwest. Frontiers in Plant Science, 2020, 11, 112.	1.7	8
1107	Dynamic balancing of intestinal short-chain fatty acids: The crucial role of bacterial metabolism. Trends in Food Science and Technology, 2020, 100, 118-130.	7.8	102
1108	Gut microbiota and human NAFLD: disentangling microbial signatures from metabolic disorders. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 279-297.	8.2	539
1109	Amelioration of Alcohol Induced Gastric Ulcers Through the Administration of Lactobacillus plantarum APSulloc 331261 Isolated From Green Tea. Frontiers in Microbiology, 2020, 11, 420.	1.5	33
1110	Current explorations of nutrition and the gut microbiome: a comprehensive evaluation of the review literature. Nutrition Reviews, 2020, 78, 798-812.	2.6	71
1111	Implication of the gut microbiome composition of type 2 diabetic patients from northern China. Scientific Reports, 2020, 10, 5450.	1.6	113

#	Article	IF	Citations
1112	Profile of the gut microbiota of adults with obesity: a systematic review. European Journal of Clinical Nutrition, 2020, 74, 1251-1262.	1.3	341
1113	Contribution of macronutrients to obesity: implications for precision nutrition. Nature Reviews Endocrinology, 2020, 16, 305-320.	4.3	113
1114	An Integrated Multi-Disciplinary Perspective for Addressing Challenges of the Human Gut Microbiome. Metabolites, 2020, 10, 94.	1.3	13
1115	The Role of the Gut Microbiome in Energy Balance With a Focus on the Gut-Adipose Tissue Axis. Frontiers in Genetics, 2020, 11, 297.	1.1	52
1116	Maternal low-dose aspartame and stevia consumption with an obesogenic diet alters metabolism, gut microbiota and mesolimbic reward system in rat dams and their offspring. Gut, 2020, 69, 1807-1817.	6.1	55
1117	The equine gastrointestinal microbiome: impacts of weight-loss. BMC Veterinary Research, 2020, 16, 78.	0.7	21
1118	The circadian disruption of night work alters gut microbiota consistent with elevated risk for future metabolic and gastrointestinal pathology. Chronobiology International, 2020, 37, 1067-1081.	0.9	32
1119	Potential Therapeutic Role of Dietary Supplementation with <i>Spirulina platensis</i> on the Erectile Function of Obese Rats Fed a Hypercaloric Diet. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	1.9	6
1120	Effects of Drinking Water Temperature and Flow Rate during Cold Season on Growth Performance, Nutrient Digestibility and Cecum Microflora of Weaned Piglets. Animals, 2020, 10, 1048.	1.0	6
1121	Inclusion of limited amounts of extruded legumes plus cereal mixes in normocaloric or obesogenic diets for rats: effects on intestinal microbiota composition. Journal of the Science of Food and Agriculture, 2020, 100, 5546-5557.	1.7	3
1122	Allogenic Fecal Microbiota Transplantation in Patients With Nonalcoholic Fatty Liver Disease Improves Abnormal Small Intestinal Permeability: A Randomized Control Trial. American Journal of Gastroenterology, 2020, 115, 1055-1065.	0.2	177
1124	Alteration of gut microbiota affects expression of adiponectin and resistin through modifying DNA methylation in high-fat diet-induced obese mice. Genes and Nutrition, 2020, 15, 12.	1.2	43
1125	Association between the body weight of growing pigs and the functional capacity of their gut microbiota. Animal Science Journal, 2020, 91, e13418.	0.6	27
1126	Microbial dysbiosis-induced obesity: role of gut microbiota in homoeostasis of energy metabolism. British Journal of Nutrition, 2020, 123, 1127-1137.	1.2	193
1127	Prebiotic potencial of juÃ§ara berry on changes in gut bacteria and acetate of individuals with obesity. European Journal of Nutrition, 2020, 59, 3767-3778.	1.8	11
1128	Overweight and underweight status are linked to specific gut microbiota and intestinal tricarboxylic acid cycle intermediates. Clinical Nutrition, 2020, 39, 3189-3198.	2.3	31
1129	Gut microbiota-derived metabolites in obesity: a systematic review. Bioscience of Microbiota, Food and Health, 2020, 39, 65-76.	0.8	43
1130	Diet change affects intestinal microbiota restoration and improves vertical sleeve gastrectomy outcome in diet-induced obese rats. European Journal of Nutrition, 2020, 59, 3555-3564.	1.8	8

#	Article	IF	Citations
1131	Changes in Plasma Short-Chain Fatty Acid Levels after Dietary Weight Loss among Overweight and Obese Adults over 50 Weeks. Nutrients, 2020, 12, 452.	1.7	21
1132	Effects of high-fiber diets enriched with carbohydrate, protein, or unsaturated fat on circulating short chain fatty acids: results from the OmniHeart randomized trial. American Journal of Clinical Nutrition, 2020, 111, 545-554.	2.2	49
1133	OGG1 deficiency alters the intestinal microbiome and increases intestinal inflammation in a mouse model. PLoS ONE, 2020, 15, e0227501.	1.1	18
1134	The role of the microbiota in sedentary lifestyle disorders and ageing: lessons from the animal kingdom. Journal of Internal Medicine, 2020, 287, 271-282.	2.7	44
1135	Obese Adolescents With PCOS Have Altered Biodiversity and Relative Abundance in Gastrointestinal Microbiota. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2134-e2144.	1.8	83
1136	Inulin with different degrees of polymerization protects against diet-induced endotoxemia and inflammation in association with gut microbiota regulation in mice. Scientific Reports, 2020, 10, 978.	1.6	92
1137	Whole Foodâ€"Based Approaches to Modulating Gut Microbiota and Associated Diseases. Annual Review of Food Science and Technology, 2020, 11, 119-143.	5.1	58
1138	Investigation of gut microbiome changes in type 1 diabetic mellitus rats based on high-throughput sequencing. Biomedicine and Pharmacotherapy, 2020, 124, 109873.	2.5	109
1139	Lactobacillus plantarum LMT1-48 exerts anti-obesity effect in high-fat diet-induced obese mice by regulating expression of lipogenic genes. Scientific Reports, 2020, 10, 869.	1.6	51
1140	Lactate-Fortified Puerariae Radix Fermented by Bifidobacterium breve Improved Diet-Induced Metabolic Dysregulation via Alteration of Gut Microbial Communities. Nutrients, 2020, 12, 276.	1.7	15
1141	Fenugreek Counters the Effects of High Fat Diet on Gut Microbiota in Mice: Links to Metabolic Benefit. Scientific Reports, 2020, 10, 1245.	1.6	23
1142	The canine gastrointestinal microbiota: early studies and research frontiers. Gut Microbes, 2020, 11, 635-654.	4.3	22
1143	A more pronounced effect of type III resistant starch <i>vs.</i> type II resistant starch on ameliorating hyperlipidemia in high fat diet-fed mice is associated with its supramolecular structural characteristics. Food and Function, 2020, 11, 1982-1995.	2.1	45
1144	Changes in gut microbiota in predigested Hibiscus sabdariffa L calyces and Agave (Agave tequilana) Tj ETQq1 1 0.784314 rgBT /Overlo International, 2020, 132, 109036.	2.9	27
1145	The Nanoâ€"Intestine Interaction: Understanding the Locationâ€Oriented Effects of Engineered Nanomaterials in the Intestine. Small, 2020, 16, e1907665.	5.2	44
1146	Syntrophy via Interspecies H ₂ Transfer between <i>Christensenella</i> and <i>Methanobrevibacter</i> Underlies Their Global Cooccurrence in the Human Gut. MBio, 2020, 11, .	1.8	73
1147	Cottonseed meal fermented by Candida tropical reduces the fat deposition in white-feather broilers through cecum bacteria-host metabolic cross-talk. Applied Microbiology and Biotechnology, 2020, 104, 4345-4357.	1.7	14
1148	Elevated levels of proinflammatory volatile metabolites in feces of high fat diet fed KK-Ay mice. Scientific Reports, 2020, 10, 5681.	1.6	10

#	Article	IF	Citations
1149	A combination of genetics and microbiota influences the severity of the obesity phenotype in diet-induced obesity. Scientific Reports, 2020, 10, 6118.	1.6	9
1150	Weaning Alters Intestinal Gene Expression Involved in Nutrient Metabolism by Shaping Gut Microbiota in Pigs. Frontiers in Microbiology, 2020, 11, 694.	1.5	38
1151	Effects of Alternative Administration Programs of a Synbiotic Supplement on Broiler Performance, Foot Pad Dermatitis, Caecal Microbiota, and Blood Metabolites. Animals, 2020, 10, 522.	1.0	7
1152	Microbial Medicine: Prebiotic and Probiotic Functional Foods to Target Obesity and Metabolic Syndrome. International Journal of Molecular Sciences, 2020, 21, 2890.	1.8	133
1153	The Controversial Role of Human Gut Lachnospiraceae. Microorganisms, 2020, 8, 573.	1.6	777
1154	Gut Microbiome, Intestinal Permeability, and Tissue Bacteria in Metabolic Disease: Perpetrators or Bystanders?. Nutrients, 2020, 12, 1082.	1.7	154
1155	Metabolic benefits of annatto-extracted tocotrienol on glucose homeostasis, inflammation, and gut microbiome. Nutrition Research, 2020, 77, 97-107.	1.3	29
1156	Pesticides-induced energy metabolic disorders. Science of the Total Environment, 2020, 729, 139033.	3.9	55
1157	Bacterial fecal microbiota is only minimally affected by a standardized weight loss plan in obese cats. BMC Veterinary Research, 2020, 16, 112.	0.7	11
1158	Gut metagenomic and short chain fatty acids signature in hypertension: a cross-sectional study. Scientific Reports, 2020, 10, 6436.	1.6	115
1159	Relationships between Gut Microbiota, Metabolome, Body Weight, and Glucose Homeostasis of Obese Dogs Fed with Diets Differing in Prebiotic and Protein Content. Microorganisms, 2020, 8, 513.	1.6	22
1160	Chinese Propolis Prevents Obesity and Metabolism Syndromes Induced by a High Fat Diet and Accompanied by an Altered Gut Microbiota Structure in Mice. Nutrients, 2020, 12, 959.	1.7	13
1161	Short-chain fatty acids exert opposite effects on the expression and function of p-glycoprotein and breast cancer resistance protein in rat intestine. Acta Pharmacologica Sinica, 2021, 42, 470-481.	2.8	31
1162	Safety Evaluation and In vivo Strain-Specific Functionality of Bacillus Strains Isolated from Korean Traditional Fermented Foods. Probiotics and Antimicrobial Proteins, 2021, 13, 60-71.	1.9	13
1163	The human gut microbiota in people with amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, 22, 186-194.	1.1	49
1164	Avocado Consumption Alters Gastrointestinal Bacteria Abundance and Microbial Metabolite Concentrations among Adults with Overweight or Obesity: A Randomized Controlled Trial. Journal of Nutrition, 2021, 151, 753-762.	1.3	28
1165	Role of Gut Microbiome and Microbial Metabolites in Alleviating Insulin Resistance After Bariatric Surgery. Obesity Surgery, 2021, 31, 327-336.	1.1	11
1166	Association of gut microbiome with fasting triglycerides, fasting insulin and obesity status in Mexican children. Pediatric Obesity, 2021, 16, e12748.	1.4	37

#	Article	IF	Citations
1167	Gut Microbiota May Play a Significant Role in the Pathogenesis of Graves' Disease. Thyroid, 2021, 31, 810-820.	2.4	45
1168	Current progress of research on intestinal bacterial translocation. Microbial Pathogenesis, 2021, 152, 104652.	1.3	28
1169	The associations of the gut microbiome composition and short-chain fatty acid concentrations with body fat distribution in children. Clinical Nutrition, 2021, 40, 3379-3390.	2.3	30
1170	Cross-feeding between<i>Bifidobacterium infantis</i>and<i>Anaerostipes caccae</i>on lactose and human milk oligosaccharides. Beneficial Microbes, 2021, 12, 69-83.	1.0	25
1171	Interâ€Individual Variability in Insulin Response after Grape Pomace Supplementation in Subjects at High Cardiometabolic Risk: Role of Microbiota and miRNA. Molecular Nutrition and Food Research, 2021, 65, 2000113.	1.5	16
1172	Potential type 2 diabetes mellitus drug HMPA promotes shortâ€chain fatty acid production by improving carbon catabolite repression effect of gut microbiota. British Journal of Pharmacology, 2021, 178, 946-963.	2.7	7
1173	Study on the additive protective effect of PGLYRP3 and Bifidobacterium adolescentis Reuter 1963 on severity of DSS-induced colitis in Pglyrp3 knockout (Pglyrp3 â^'/â^') and wild-type (WT) mice. Immunobiology, 2021, 226, 152028.	0.8	4
1174	Role of gut microbiota in identification of novel TCM-derived active metabolites. Protein and Cell, 2021, 12, 394-410.	4.8	69
1175	Effect of gaseous hydrogen sulphide on growth performance and cecal microbial diversity of weaning pigs. Veterinary Medicine and Science, 2021, 7, 424-431.	0.6	4
1176	The infant gut microbiota at 12Ââ€‹months of age is associated with human milk exposure but not with maternal pre-pregnancy body mass index or infant BMI-for-age z-scores. Current Research in Physiology, 2021, 4, 94-102.	0.8	10
1177	Link between gut microbiome and cardiometabolic diseases. , 2021, , 185-205.		1
1178	Impact of Nutrition on Biomarkers of Cardiovascular Health. Contemporary Cardiology, 2021, , 29-45.	0.0	0
1179	Gut microbiota and obesity and the body weight regulation. , 2021, , 355-373.		0
1180	Clinical Connections Between the Microbiota and Breast Cancer (Onset,ÂProgression and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		0
1181	Grape seed proanthocyanidins reduced the overweight of C57BL/6J mice through modulating adipose thermogenesis and gut microbiota. Food and Function, 2021, 12, 8467-8477.	2.1	42
1182	Intestinal microbiota fingerprint in subjects with irritable bowel syndrome responders to a low FODMAP diet. Food and Function, 2021, 12, 3206-3218.	2.1	10
1183	Microbial Diversity and Classification. , 2021, , .		0
1184	A pilot study on the relationship between <i>Lactobacillus, Bifidibactrium</i> counts and inflammatory factors following exercise training. Archives of Physiology and Biochemistry, 2023, 129, 778-787.	1.0	10

#	Article	IF	Citations
1185	Iron Reshapes the Gut Microbiome and Host Metabolism. Journal of Lipid and Atherosclerosis, 2021, 10, 160.	1.1	14
1186	Associations of the gut microbiome with hepatic adiposity in the Multiethnic Cohort Adiposity Phenotype Study. Gut Microbes, 2021, 13, 1965463.	4.3	16
1187	Fecal Metabolomes in Response to Feed Supplemented with Fermented <i>Parkia biglobosa</i> and <i>Sphenostylis stenocarpa</i> in Obese Rats. Advances in Microbiology, 2021, 11, 63-74.	0.3	0
1188	Understanding Obesity: The Role of Adipose Tissue Microenvironment and the Gut Microbiome. Saudi Journal of Medicine and Medical Sciences, 2021, 9, 10.	0.3	5
1189	RATIO OF MAIN PHYLOTYPES OF GUT MICROBIOTA IN PATIENTS WITH NON-ALCOHOLIC FATTY LIVER DISEASE DEPENDING ON THE BODY MASS INDEX. WiadomoÅ›ci Lekarskie, 2021, 74, 523-528.	0.1	2
1190	Contribution of microbiota in obesity and obesity-related chronic diseases. , 2021, , 207-219.		1
1191	Microbiome changes in aging. , 2021, , 367-389.		1
1192	Polysaccharides on the gut microbiome and epigenome. , 2021, , 129-137.		1
1193	Studies of xenobiotic-induced gut microbiota dysbiosis: from correlation to mechanisms. Gut Microbes, 2021, 13, 1921912.	4.3	19
1194	Increase in muscle mass associated with the prebiotic effects of 1-kestose in super-elderly patients with sarcopenia. Bioscience of Microbiota, Food and Health, 2021, 40, 150-155.	0.8	10
1195	Comprehensive Gut Microbiota and Drug Processing. , 2021, , .		0
1196	The Impact of Artificial Sweeteners on Body Weight Control and Glucose Homeostasis. Frontiers in Nutrition, 2020, 7, 598340.	1.6	62
1197	Enabling rational gut microbiome manipulations by understanding gut ecology through experimentally-evidenced in silico models. Gut Microbes, 2021, 13, 1965698.	4.3	2
1198	Gut microbiota and their effects on atherosclerosis, platelet function, and hypertension. , 2021, , 295-309.		0
1199	Gut Microbiota Profile and Changes in Body Weight in Elderly Subjects with Overweight/Obesity and Metabolic Syndrome. Microorganisms, 2021, 9, 346.	1.6	14
1200	A review: non-antibacterial, non-antifungal and non-anticancer properties of nanoparticles the forgotten paradigm. Nano Express, 2021, 2, 012003.	1.2	2
1201	Can we modulate the breastfed infant gut microbiota through maternal diet?. FEMS Microbiology Reviews, 2021, 45, .	3.9	18
1202	Guild-based analysis for understanding gut microbiome in human health and diseases. Genome Medicine, 2021, 13, 22.	3.6	83

#	Article	IF	Citations
1203	Nutritional Approach Targeting Gut Microbiota in NAFLDâ€"To Date. International Journal of Environmental Research and Public Health, 2021, 18, 1616.	1.2	9
1204	Is Probiotic Supplementation Useful for the Management of Body Weight and Other Anthropometric Measures in Adults Affected by Overweight and Obesity with Metabolic Related Diseases? A Systematic Review and Meta-Analysis. Nutrients, 2021, 13, 666.	1.7	28
1205	A Review on the Role of Food-Derived Bioactive Molecules and the Microbiotaâ€"Gutâ€"Brain Axis in Satiety Regulation. Nutrients, 2021, 13, 632.	1.7	23
1206	Different Weight Loss Intervention Approaches Reveal a Lack of a Common Pattern of Gut Microbiota Changes. Journal of Personalized Medicine, 2021, 11, 109.	1.1	15
1207	Diet- and sex-related changes of gut microbiota composition and functional profiles after 4Âmonths of weight loss intervention. European Journal of Nutrition, 2021, 60, 3279-3301.	1.8	9
1208	Is Technical-Grade Chlordane an Obesogen?. Current Medicinal Chemistry, 2021, 28, 548-568.	1.2	2
1209	Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese Inflammatory Phenotype. Nutrients, 2021, 13, 757.	1.7	10
1210	Obesity, Early Life Gut Microbiota, and Antibiotics. Microorganisms, 2021, 9, 413.	1.6	30
1211	Association between Gut Microbial Diversity and Carotid Intima-Media Thickness. Medicina (Lithuania), 2021, 57, 195.	0.8	16
1212	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. European Journal of Nutrition, 2021, 60, 3159-3170.	1.8	46
1213	Gut Microbiota-Derived Short-Chain Fatty Acids Facilitate Microbiota:Host Cross talk and Modulate Obesity and Hypertension. Current Hypertension Reports, 2021, 23, 8.	1.5	52
1214	Physiological Characteristics and Anti-Diabetic Effect of Pediococcus pentosaceus KI62. Food Science of Animal Resources, 2021, 41, 274-287.	1.7	3
1215	The potential of red dragon fruit peel yogurt to improve platelet levels in heparin-induced thrombocytopenia in Wistar rats. Potravinarstvo, 0, 15, 218-225.	0.5	0
1216	Effect of Trilobatin from Lithocarpus polystachyus Rehd on Gut Microbiota of Obese Rats Induced by a High-Fat Diet. Nutrients, 2021, 13, 891.	1.7	13
1217	Gutâ€"Liver Axis in Nonalcoholic Fatty Liver Disease: the Impact of the Metagenome, End Products, and the Epithelial and Vascular Barriers. Seminars in Liver Disease, 2021, 41, 191-205.	1.8	10
1218	Consumption of High-Fructose Corn Syrup Compared with Sucrose Promotes Adiposity and Increased Triglyceridemia but Comparable NAFLD Severity in Juvenile Iberian Pigs. Journal of Nutrition, 2021, 151, 1139-1149.	1.3	8
1219	The Impact of Gut Microbiome on Metabolic Disorders During Catch-Up Growth in Small-for-Gestational-Age. Frontiers in Endocrinology, 2021, 12, 630526.	1.5	7
1220	Diâ€(2â€ethylhexyl) phthalate exposure induces female reproductive toxicity and alters the intestinal microbiota community structure and fecal metabolite profile in mice. Environmental Toxicology, 2021, 36, 1226-1242.	2.1	28

#	Article	IF	Citations
1221	Stool metabolome-microbiota evaluation among children and adolescents with obesity, overweight, and normal-weight using 1H NMR and 16S rRNA gene profiling. PLoS ONE, 2021, 16, e0247378.	1.1	13
1222	The Gut/Lung Microbiome Axis in Obesity, Asthma, and Bariatric Surgery: A Literature Review. Obesity, 2021, 29, 636-644.	1.5	29
1223	The Multifunctional Sactipeptide Ruminococcin C1 Displays Potent Antibacterial Activity In Vivo as Well as Other Beneficial Properties for Human Health. International Journal of Molecular Sciences, 2021, 22, 3253.	1.8	11
1224	Altered intestinal epithelial nutrient transport: an underappreciated factor in obesity modulated by diet and microbiota. Biochemical Journal, 2021, 478, 975-995.	1.7	8
1225	Gut microbiota in patients with newly diagnosed acromegaly: a pilot cross-sectional study. Pituitary, 2021, 24, 600-610.	1.6	9
1226	Gut Microbiota and Obesity in Adults and Children: The State of the Art. Frontiers in Pediatrics, 2021, 9, 657020.	0.9	31
1227	Mendelian Randomization Analysis Reveals Causal Effects of the Human Gut Microbiota on Abdominal Obesity. Journal of Nutrition, 2021, 151, 1401-1406.	1.3	11
1228	The Role of the Gut Microbiota in the Gutâ€"Brain Axis in Obesity: Mechanisms and Future Implications. International Journal of Molecular Sciences, 2021, 22, 2993.	1.8	26
1229	Butyrate in Energy Metabolism: There Is Still More to Learn. Trends in Endocrinology and Metabolism, 2021, 32, 159-169.	3.1	136
1230	Gut microbiome and Mediterranean diet in the context of obesity. Current knowledge, perspectives and potential therapeutic targets. Metabolism Open, 2021, 9, 100081.	1.4	21
1231	Iron Fortification and Supplementation: Fighting Anemia of Chronic Diseases or Fueling Obesity?. Current Developments in Nutrition, 2021, 5, nzab032.	0.1	6
1232	Long-term Diet Quality and Gut Microbiome Functionality: A Prospective, Shotgun Metagenomic Study among Urban Chinese Adults. Current Developments in Nutrition, 2021, 5, nzab026.	0.1	13
1233	The impact of obesity on immune function in pediatric asthma. Current Opinion in Allergy and Clinical Immunology, 2021, 21, 202-215.	1.1	11
1234	Isolated Pea Resistant Starch Substrates with Different Structural Features Modulate the Production of Short-Chain Fatty Acids and Metabolism of Microbiota in Anaerobic Fermentation In Vitro. Journal of Agricultural and Food Chemistry, 2021, 69, 5392-5404.	2.4	31
1235	Health effects of dietary sulfated polysaccharides from seafoods and their interaction with gut microbiota. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 2882-2913.	5.9	36
1236	Short-Chain Fatty Acids, Maternal Microbiota and Metabolism in Pregnancy. Nutrients, 2021, 13, 1244.	1.7	81
1237	Chronic oral exposure to pesticides and their consequences on metabolic regulation: role of the microbiota. European Journal of Nutrition, 2021, 60, 4131-4149.	1.8	15
1238	Alterations in the oral and gut microbiome of colorectal cancer patients and association with host clinical factors. International Journal of Cancer, 2021, 149, 925-935.	2.3	24

#	Article	IF	Citations
1239	The Association of Gut Microbiota 16s RNA Target Region with Obesity. The Egyptian Journal of Hospital Medicine, 2021, 83, 1553-1560.	0.0	0
1240	The Effects of Non-Nutritive Sweetener Consumption in the Pediatric Populations: What We Know, What We Donâ€™t, and What We Need to Learn. Frontiers in Endocrinology, 2021, 12, 625415.	1.5	15
1241	The Role of Fructose in Non-Alcoholic Steatohepatitis: Old Relationship and New Insights. Nutrients, 2021, 13, 1314.	1.7	34
1242	Coronavirus diseaseâ€“2019 and the intestinal tract: An overview. World Journal of Gastroenterology, 2021, 27, 1255-1266.	1.4	20
1243	Microbiota profiles and dynamics in fermented plantâ€based products and preliminary assessment of their in vitro gut microbiota modulation. Food Frontiers, 2021, 2, 268-281.	3.7	14
1244	Dietary Strategies for Management of Metabolic Syndrome: Role of Gut Microbiota Metabolites. Nutrients, 2021, 13, 1389.	1.7	46
1245	Environmental Influences on the Human Microbiome and Implications for Noncommunicable Disease. Annual Review of Public Health, 2021, 42, 277-292.	7.6	54
1247	Gut microbiota modulates the inflammatory response and cognitive impairment induced by sleep deprivation. Molecular Psychiatry, 2021, 26, 6277-6292.	4.1	96
1248	Small Intestinal Bacterial Overgrowth in Subclinical Hypothyroidism of Pregnant Women. Frontiers in Endocrinology, 2021, 12, 604070.	1.5	13
1249	Do Antibiotics Cause Obesity Through Long-term Alterations in the Gut Microbiome? A Review of Current Evidence. Current Obesity Reports, 2021, 10, 244-262.	3.5	47
1250	Metabolomics and microbiome profiling as biomarkers in obstructive sleep apnoea: a comprehensive review. European Respiratory Review, 2021, 30, 200220.	3.0	32
1251	Human Gut Microbiome and Liver Diseases: From Correlation to Causation. Microorganisms, 2021, 9, 1017.	1.6	16
1253	Characteristics of the colonic microbiome in patients with different obesity phenotypes (the original) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	5
1254	Gut microbiome, prebiotics, intestinal permeability and diabetes complications. Best Practice and Research in Clinical Endocrinology and Metabolism, 2021, 35, 101507.	2.2	63
1255	Polysaccharides isolated from <i>Laminaria japonica</i> attenuates gestational diabetes mellitus by regulating the gut microbiota in mice. Food Frontiers, 2021, 2, 208-217.	3.7	34
1256	Establishment of an In Vitro System of the Human Intestinal Microbiota: Effect of Cultivation Conditions and Influence of Three Donor Stool Samples. Microorganisms, 2021, 9, 1049.	1.6	5
1257	Total Flavonoids of Glycyrrhiza uralensis Alleviates Irinotecan-Induced Colitis via Modification of Gut Microbiota and Fecal Metabolism. Frontiers in Immunology, 2021, 12, 628358.	2.2	29
1258	The interaction between the gut microbiota and dietary carbohydrates in nonalcoholic fatty liver disease. Experimental and Molecular Medicine, 2021, 53, 809-822.	3.2	12

#	Article	IF	Citations
1259	The Potential Health Benefits of the Ketogenic Diet: A Narrative Review. Nutrients, 2021, 13, 1654.	1.7	74
1260	The Gut Microbiome and Gastrointestinal Toxicities in Pelvic Radiation Therapy: A Clinical Review. Cancers, 2021, 13, 2353.	1.7	15
1261	Emerging concepts in intestinal immune control of obesity-related metabolic disease. Nature Communications, 2021, 12, 2598.	5.8	65
1262	Next Generation Probiotics for Neutralizing Obesogenic Effects: Taxa Culturing Searching Strategies. Nutrients, 2021, 13, 1617.	1.7	20
1263	Effect of Bifidobacterium on olanzapine-induced body weight and appetite changes in patients with psychosis. Psychopharmacology, 2021, 238, 2449-2457.	1.5	15
1264	Microbial Glycoside Hydrolases in the First Year of Life: An Analysis Review on Their Presence and Importance in Infant Gut. Frontiers in Microbiology, 2021, 12, 631282.	1.5	18
1265	Gut microbiota changes after metabolic surgery in adult diabetic patients with mild obesity: a randomised controlled trial. Diabetology and Metabolic Syndrome, 2021, 13, 56.	1.2	14
1266	Prophylactic Use of Natural Products against Developmentally Programmed Metabolic Syndrome. Planta Medica, 2021, , .	0.7	1
1267	Short-chain fatty acids: role in metabolic disorders. Modern Gastroenterology, 2021, , .	0.1	0
1268	Selenium in Human Health and Gut Microflora: Bioavailability of Selenocompounds and Relationship With Diseases. Frontiers in Nutrition, 2021, 8, 685317.	1.6	90
1269	Nonalcoholic Fatty Liver Disease (NAFLD) as Model of Gutâ€"Liver Axis Interaction: From Pathophysiology to Potential Target of Treatment for Personalized Therapy. International Journal of Molecular Sciences, 2021, 22, 6485.	1.8	40
1270	In Vitro Fecal Fermentation Patterns of Arabinoxylan from Rice Bran on Fecal Microbiota from Normal-Weight and Overweight/Obese Subjects. Nutrients, 2021, 13, 2052.	1.7	10
1271	Adequacy of calcium and vitamin D reduces inflammation, Î²-catenin signaling, and dysbiotic Parasutterela bacteria in the colon of C57BL/6 mice fed a western-style diet. Journal of Nutritional Biochemistry, 2021, 92, 108613.	1.9	6
1272	Association Between Gut Microbial Abundance and Sight-Threatening Diabetic Retinopathy. , 2021, 62, 19.		19
1273	Grape Polyphenols Attenuate Diet-Induced Obesity and Hepatic Steatosis in Mice in Association With Reduced Butyrate and Increased Markers of Intestinal Carbohydrate Oxidation. Frontiers in Nutrition, 2021, 8, 675267.	1.6	22
1274	Gut microbiota, body weight and histopathological examinations in experimental infection by methicillin-resistant Staphylococcus aureus: antibiotic versus bacteriocin. Beneficial Microbes, 2021, 12, 295-305.	1.0	7
1275	Bacteria and Methanogens in the Human Microbiome: a Review of Syntrophic Interactions. Microbial Ecology, 2022, 83, 536-554.	1.4	25
1276	A systematic review and meta-analysis of prospective studies on obesity and risk of inflammatory bowel disease. Nutrition Reviews, 2022, 80, 479-487.	2.6	8

#	Article	IF	Citations
1277	Gut Microbiota as an Emerging Therapeutic Avenue for the Treatment of Nonalcoholic Fatty Liver Disease. Current Pharmaceutical Design, 2021, 27, 4677-4685.	0.9	7
1278	Faecal microbial metabolites of proteolytic and saccharolytic fermentation in relation to degree of insulin resistance in adult individuals. Beneficial Microbes, 2021, 12, 259-266.	1.0	4
1279	Characterization of the gut microbiota in Chinese children with overweight and obesity using 16S rRNA gene sequencing. PeerJ, 2021, 9, e11439.	0.9	16
1280	â€œAdjusting Internal Organs and Dredging Channelâ€•Electroacupuncture Ameliorates Insulin Resistance in Type 2 Diabetes Mellitus by Regulating the Intestinal Flora and Inhibiting Inflammation. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 2595-2607.	1.1	12
1281	A Multiomic Approach to Investigate the Effects of a Weight Loss Program on the Intestinal Health of Overweight Horses. Frontiers in Veterinary Science, 2021, 8, 668120.	0.9	7
1282	Taxonomic Characterization and Short-Chain Fatty Acids Production of the Obese Microbiota. Frontiers in Cellular and Infection Microbiology, 2021, 11, 598093.	1.8	30
1283	Metagenomic and metatranscriptomic profiling of Lactobacillus casei Zhang in the human gut. Npj Biofilms and Microbiomes, 2021, 7, 55.	2.9	14
1284	Effects of different dietary lipid levels on intestinal mucosal barrier and microbial community of juvenile tiger puffer <i>Takifugu rubripes</i>. Aquaculture Nutrition, 2021, 27, 1626-1639.	1.1	10
1285	The Effects of Erchen Decoction on Gut Microbiota and Lipid Metabolism Disorders in Zucker Diabetic Fatty Rats. Frontiers in Pharmacology, 2021, 12, 647529.	1.6	27
1286	<i>In vitro</i> fermentability of a broad range of natural ingredients by fecal microbiota from lean and obese individuals: potential health benefits. International Journal of Food Sciences and Nutrition, 2022, 73, 195-209.	1.3	5
1287	A review on gut microbiota: a central factor in the pathophysiology of obesity. Lipids in Health and Disease, 2021, 20, 65.	1.2	44
1288	Dietary Selection Pressures and Their Impact on the Gut Microbiome. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 7-18.	2.3	32
1289	Exploring the Gut Microbiota and Cardiovascular Disease. Metabolites, 2021, 11, 493.	1.3	22
1290	Gut Microbiome and Metabolome Profiles Associated with High-Fat Diet in Mice. Metabolites, 2021, 11, 482.	1.3	50
1291	Effect of different types of sugar on gut physiology and microbiota in overfed goose. Poultry Science, 2021, 100, 101208.	1.5	6
1292	Fecal short-chain fatty acids and obesity in a community-based Japanese population: The DOSANCO Health Study. Obesity Research and Clinical Practice, 2021, 15, 345-350.	0.8	8
1293	Prebiotic inulin as a treatment of obesity related nonalcoholic fatty liver disease through gut microbiota: a critical review. Critical Reviews in Food Science and Nutrition, 2023, 63, 862-872.	5.4	10
1294	Potential gutâ€“brain mechanisms behind adverse mental health outcomes of bariatric surgery. Nature Reviews Endocrinology, 2021, 17, 549-559.	4.3	23

#	Article	IF	Citations
1295	16S rRNA gene amplicon sequencing of gut microbiota in gestational diabetes mellitus and their correlation with disease risk factors. Journal of Endocrinological Investigation, 2022, 45, 279-289.	1.8	17
1296	Dietary fiberâ€derived shortâ€chain fatty acids: A potential therapeutic target to alleviate obesityâ€related nonalcoholic fatty liver disease. Obesity Reviews, 2021, 22, e13316.	3.1	97
1297	The Other Side of Malnutrition in Inflammatory Bowel Disease (IBD): Non-Alcoholic Fatty Liver Disease. Nutrients, 2021, 13, 2772.	1.7	11
1298	The Impact of Host Genotype, Intestinal Sites and Probiotics Supplementation on the Gut Microbiota Composition and Diversity in Sheep. Biology, 2021, 10, 769.	1.3	2
1299	Effects of <i>ad libitum</i> Free-Choice Access to Freshly Squeezed Domestic White Asparagus Juice on Intestinal Microbiota Composition and Universal Bio-Markers of Immuno-Metabolic Homeostasis and General Health in Middle-Aged Female and Male C57BL/6 Mice. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2022, 22, 401-414.	0.6	1
1300	Comparison of Gut Microbiota of 96 Healthy Dogs by Individual Traits: Breed, Age, and Body Condition Score. Animals, 2021, 11, 2432.	1.0	37
1301	A randomized double-blind placebo controlled pilot study of probiotics in adolescents with severe obesity. Journal of Diabetes and Metabolic Disorders, 2021, 20, 1289-1300.	0.8	8
1302	Effects of gut microbiota remodeling on the dysbiosis induced by high fat diet in a mouse model of Gulf war illness. Life Sciences, 2021, 279, 119675.	2.0	5
1303	Characteristics of gut microbiota in people with obesity. PLoS ONE, 2021, 16, e0255446.	1.1	95
1304	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. Journal of Agricultural and Food Chemistry, 2021, 69, 10638-10647.	2.4	10
1305	Telmisartan induces a specific gut microbiota signature which may mediate its antiobesity effect. Pharmacological Research, 2021, 170, 105724.	3.1	6
1306	Influence of gut microbiome on the human physiology. Systems Microbiology and Biomanufacturing, 2022, 2, 217-231.	1.5	4
1307	Alteration of Gut Microbiota Relates to Metabolic Disorders in Primary Aldosteronism Patients. Frontiers in Endocrinology, 2021, 12, 667951.	1.5	21
1308	Influence of Cultivation pH on Composition, Diversity, and Metabolic Production in an In Vitro Human Intestinal Microbiota. Fermentation, 2021, 7, 156.	1.4	5
1309	Matrix Effects on the Delivery Efficacy of Bifidobacterium animalis subsp. <i>lactis</i> BB-12 on Fecal Microbiota, Gut Transit Time, and Short-Chain Fatty Acids in Healthy Young Adults. MSphere, 2021, 6, e0008421.	1.3	11
1310	Rectal administration of buttermilk processed with medicinal plants alters gut microbiome in obese individuals. Journal of Diabetes and Metabolic Disorders, 2021, 20, 1415-1427.	0.8	2
1311	Effects of dietary exposure to the engineered nanomaterials CeO2, SiO2, Ag, and TiO2 on the murine gut microbiome. Nanotoxicology, 2021, 15, 1-17.	1.6	6
1312	Gut microbiota: a target for intervention in obesity. Expert Review of Gastroenterology and Hepatology, 2021, 15, 1169-1179.	1.4	11

#	Article	IF	Citations
1313	Intake of Koji Amazake Improves Defecation Frequency in Healthy Adults. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	5
1314	Leaky Gut and Gut-Liver Axis in Liver Cirrhosis: Clinical Studies Update. Gut and Liver, 2021, 15, 666-676.	1.4	54
1315	Distinctive Clinical Correlates of Small Intestinal Bacterial Overgrowth with Methanogens. Clinical Gastroenterology and Hepatology, 2022, 20, 1598-1605.e2.	2.4	10
1316	Plant Extracts in Obesity: A Role of Gut Microbiota. Frontiers in Nutrition, 2021, 8, 727951.	1.6	12
1317	Recent progress in research on the gut microbiota and highland adaptation on the Qinghaiâ€Tibet Plateau. Journal of Evolutionary Biology, 2021, 34, 1514-1530.	0.8	20
1318	Effects of Live and Pasteurized Forms of Akkermansia from the Human Gut on Obesity and Metabolic Dysregulation. Microorganisms, 2021, 9, 2039.	1.6	14
1319	A highly sensitive, simple, and fast gas chromatographyâ€“mass spectrometry method for the quantification of serum short-chain fatty acids and their potential features in central obesity. Analytical and Bioanalytical Chemistry, 2021, 413, 6837-6844.	1.9	9
1320	Reversible insulin resistance helps Bactrian camels survive fasting. Scientific Reports, 2021, 11, 18815.	1.6	0
1321	Appendectomy Is Associated With Alteration of Human Gut Bacterial and Fungal Communities. Frontiers in Microbiology, 2021, 12, 724980.	1.5	20
1322	GEBELÄ°K DÃ–NEMÄ° BESLENME EÄžÄ°TÄ°MÄ°NE MÄ°KROBÄ°YOTALARIN Ä°LAVE EDÄ°LMESÄ° Ä°Ã‡Ä°N FARKINDALIK OLUÅžTURMA. Jinekoloji-Obstetrik Ve Neonatoloji TÄ±p Dergisi, 0, , .	0.2	1
1323	Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota. BMC Microbiology, 2021, 21, 259.	1.3	15
1324	Lifestyle Risk Factors and the Population Attributable Fractions for Overweight and Obesity in Chinese Students of Zhejiang Province. Frontiers in Pediatrics, 2021, 9, 734013.	0.9	3
1325	Roles of Gut Microbiota and Metabolites in Pathogenesis of Functional Constipation. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-12.	0.5	29
1326	The Role of Short-Chain Fatty Acids of Gut Microbiota Origin in Hypertension. Frontiers in Microbiology, 2021, 12, 730809.	1.5	46
1327	Alteration and the Function of Intestinal Microbiota in High-Fat-Diet- or Genetics-Induced Lipid Accumulation. Frontiers in Microbiology, 2021, 12, 741616.	1.5	4
1328	Evolution of human diet and microbiome-driven disease. Current Opinion in Physiology, 2021, 23, 100455.	0.9	1
1329	Gut microbiota of adults with different metabolic phenotypes. Nutrition, 2021, 90, 111293.	1.1	15
1330	Beneficial effects of a combination of Clostridium cochlearium and Lactobacillus acidophilus on body weight gain, insulin sensitivity, and gut microbiota in high-fat dietâ€“induced obese mice. Nutrition, 2022, 93, 111439.	1.1	11

#	Article	IF	Citations
1331	Microplastics as an aquatic pollutant affect gut microbiota within aquatic animals. Journal of Hazardous Materials, 2022, 423, 127094.	6.5	46
1332	Mesona chinensis Benth polysaccharides alleviates liver injury by beneficial regulation of gut microbiota in cyclophosphamide-induced mice. Food Science and Human Wellness, 2022, 11, 74-84.	2.2	23
1333	Parental exposure to sulfamethazine and nanoplastics alters the gut microbial communities in the offspring of marine madaka (Oryzias melastigma). Journal of Hazardous Materials, 2022, 423, 127003.	6.5	17
1334	Docosahexaenoic acid-rich fish oil prevented insulin resistance by modulating gut microbiome and promoting colonic peptide YY expression in diet-induced obesity mice. Food Science and Human Wellness, 2022, 11, 177-188.	2.2	4
1335	Associations between gut microbiota and thyroidal function status in Chinese patients with Gravesâ€™ disease. Journal of Endocrinological Investigation, 2021, 44, 1913-1926.	1.8	17
1336	Gut Microbiota and Aging: A Broad Perspective. , 2021, , 1543-1563.		0
1337	The role of the gut microbiome and diet in the pathogenesis of non-alcoholic fatty liver disease. Clinical and Molecular Hepatology, 2021, 27, 22-43.	4.5	46
1338	Chlorogenic acid inhibits trimethylamine-<i>N</i>-oxide formation and remodels intestinal microbiota to alleviate liver dysfunction in high <scp>l</scp>-carnitine feeding mice. Food and Function, 2021, 12, 10500-10511.	2.1	20
1339	Obesity and Gut Microbiota. , 2021, 04, .		0
1340	Physiologie du comportement alimentaire. , 2021, , 151-156.		0
1341	Taxonomic Composition and Diversity of the Gut Microbiota in Relation to Habitual Dietary Intake in Korean Adults. Nutrients, 2021, 13, 366.	1.7	19
1342	Farm Animals and Petsâ€"Impact on Gut Microbiota. , 2021, , 125-125.		0
1343	Metagenomics of the Human Body. , 2011, , .		18
1344	Gut Microbiome and Obesity. , 2014, , 73-82.		2
1345	Gut Microbiome and Obesity. , 2014, , 73-82.		3
1346	Dynamic Interplay Between Metabolic Syndrome and Immunity. Advances in Experimental Medicine and Biology, 2014, 824, 171-190.	0.8	31
1347	Gut Microbiota and Aging: A Broad Perspective. , 2020, , 1-21.		2
1348	Role of Gut Microbiota in Combating Oxidative Stress. , 2019, , 43-82.		19

#	Article	IF	Citations
1349	Gut Microbiota and Liver Injury (II): Chronic Liver Injury. Advances in Experimental Medicine and Biology, 2020, 1238, 39-54.	0.8	10
1350	Short-Chain Fatty Acid Production and Functional Aspects on Host Metabolism. , 2018, , 37-106.		15
1351	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
1352	Ganoderma lucidum polysaccharides improve insulin sensitivity by regulating inflammatory cytokines and gut microbiota composition in mice. Journal of Functional Foods, 2017, 38, 545-552.	1.6	69
1353	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
1354	Egg oil from Portunus trituberculatus alleviated obesity and regulated gut microbiota in mice. Scientific Reports, 2020, 10, 8454.	1.6	11
1355	Associations between fecal short-chain fatty acids and sleep continuity in older adults with insomnia symptoms. Scientific Reports, 2021, 11, 4052.	1.6	24
1356	A Review of the Role of Gut microbiome in Obesity. E3S Web of Conferences, 2020, 218, 03010.	0.2	1
1357	Polylactose 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
1358	Gut Microbiota and Cardiovascular Diseases. Cardiology in Review, 2021, 29, 195-204.	0.6	22
1363	The Effect of Exercise Training on Total Daily Energy Expenditure and Body Composition in Weight-Stable Adults: A Randomized, Controlled Trial. Journal of Physical Activity and Health, 2020, 17, 456-463.	1.0	6
1364	Associations among Organochlorine Pesticides, Methanobacteriales, and Obesity in Korean Women. PLoS ONE, 2011, 6, e27773.	1.1	37
1365	The Effect of Selected Synbiotics on Microbial Composition and Short-Chain Fatty Acid Production in a Model System of the Human Colon. PLoS ONE, 2012, 7, e47212.	1.1	90
1366	Characterisation of Gut Microbiota in Ossabaw and GÃ¶ttingen Minipigs as Models of Obesity and Metabolic Syndrome. PLoS ONE, 2013, 8, e56612.	1.1	107
1367	In Vitro Fermentation of NUTRIOSEÂ® FB06, a Wheat Dextrin Soluble Fibre, in a Continuous Culture Human Colonic Model System. PLoS ONE, 2013, 8, e77128.	1.1	37
1368	Lactobacillus rhamnosus GG Protects against Non-Alcoholic Fatty Liver Disease in Mice. PLoS ONE, 2014, 9, e80169.	1.1	228
1369	A Taxonomic Signature of Obesity in the Microbiome? Getting to the Guts of the Matter. PLoS ONE, 2014, 9, e84689.	1.1	277
1370	Age and Microenvironment Outweigh Genetic Influence on the Zucker Rat Microbiome. PLoS ONE, 2014, 9, e100916.	1.1	40

#	Article	IF	Citations
1371	The Short-Chain Fatty Acid Uptake Fluxes by Mice on a Guar Gum Supplemented Diet Associate with Amelioration of Major Biomarkers of the Metabolic Syndrome. PLoS ONE, 2014, 9, e107392.	1.1	63
1372	In Vitro Characterization of the Impact of Different Substrates on Metabolite Production, Energy Extraction and Composition of Gut Microbiota from Lean and Obese Subjects. PLoS ONE, 2014, 9, e113864.	1.1	82
1373	Stool Phospholipid Signature is Altered by Diet and Tumors. PLoS ONE, 2014, 9, e114352.	1.1	14
1374	Characterization of Microbial Dysbiosis and Metabolomic Changes in Dogs with Acute Diarrhea. PLoS ONE, 2015, 10, e0127259.	1.1	135
1375	Agent Based Modeling of Human Gut Microbiome Interactions and Perturbations. PLoS ONE, 2016, 11, e0148386.	1.1	41
1376	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. PLoS ONE, 2016, 11, e0150943.	1.1	20
1377	Intestinal Microbiota Is Influenced by Gender and Body Mass Index. PLoS ONE, 2016, 11, e0154090.	1.1	511
1378	Intestinal Microbiota and Microbial Metabolites Are Changed in a Pig Model Fed a High-Fat/Low-Fiber or a Low-Fat/High-Fiber Diet. PLoS ONE, 2016, 11, e0154329.	1.1	154
1379	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia. PLoS ONE, 2020, 15, e0240686.	1.1	16
1380	High-throughput glycomic analyses reveal unique oligosaccharide profiles of canine and feline milk samples. PLoS ONE, 2020, 15, e0243323.	1.1	14
1381	The changes of gut microbiota associated with age and lifestyle. Obesity and Metabolism, 2015, 12, 3-9.	0.4	2
1382	Signature of Gut Microbiome by Conventional and Advanced Analysis Techniques: Advantages and Disadvantages. Middle East Journal of Digestive Diseases, 2020, 12, 5-11.	0.2	18
1383	Diet, Gut Microbiota and Obesity. Journal of Nutritional Health & Food Science, 2015, 3, 01-06.	0.3	4
1384	Analysis of Gut Microbiome and Diet Modification in Patients with Crohnâ€™s Disease. SOJ Microbiology & Infectious Diseases, 2014, 2, 1-13.	0.7	65
1385	Effect of alcohol tincture of Aralia elata on the organism of rats and their gut microbiota against the background of excessive fat diet. Regulatory Mechanisms in Biosystems, 2020, 10, 497-506.	0.5	14
1386	Rat Intestinal Acetic Acid and Butyric acid and Effects of Age, Sex, and High-fat Diet on the Intestinal Levels in Rats. Journal of Cancer Prevention, 2019, 24, 20-25.	0.8	5
1387	The Nested Study on the Intestinal Microbiota in GENKI Study with Special Reference to the Effect of Brown Rice Eating. Journal of Obesity and Chronic Diseases, 2019, 03, .	0.4	8
1388	Early-life vancomycin treatment promotes airway inflammation and impairs microbiome homeostasis. Aging, 2019, 11, 2071-2081.	1.4	17

#	Article	IF	Citations
1389	Interplay between gonadal hormones and postnatal overfeeding in defining sex-dependent differences in gut microbiota architecture. Aging, 2020, 12, 19979-20000.	1.4	14
1390	High relative abundance of firmicutes and increased TNF-Î± levels correlate with obesity in children. Salud Publica De Mexico, 2017, 60, 5.	0.1	29
1391	Gut-liver Axis and Microbiota in NAFLD: Insight Pathophysiology for Novel Therapeutic Target. Current Pharmaceutical Design, 2013, 19, 5314-5324.	0.9	98
1392	Metabolites of Dietary Protein and Peptides by Intestinal Microbes and their Impacts on Gut. Current Protein and Peptide Science, 2015, 16, 646-654.	0.7	178
1393	Studying the Gut Microbiome of Latin America and Hispanic/Latino Populations. Insight into Obesity and Diabetes: Systematic Review. Current Diabetes Reviews, 2019, 15, 294-301.	0.6	14
1394	Associations of the Oral Microbiota with Obesity and Menarche in Inner City Girls. , 2019, 4, .		19
1395	Non-Alcoholic Fatty Liver Disease, Bile Acids and Intestinal Microbiota. Russian Journal of Gastroenterology Hepatology Coloproctology, 2018, 28, 84-90.	0.2	3
1396	Role of intestinal microbiota in the formation of non-alcoholic fatty liver disease. Terapevticheskii Arkhiv, 2019, 91, 143-148.	0.2	8
1399	Natural Polyphenols: A Potential Therapeutic Approach to Hypoglycemia. EFood, 2020, 1, 107-118.	1.7	42
1401	Modulation of Caecal Microbiome in Obese Mice Associated with Administration of Amaranth or Soybean Protein Isolates. Polish Journal of Food and Nutrition Sciences, 2019, 69, 35-44.	0.6	9
1403	Metagenomic Analysis of the Dynamic Changes in the Gut Microbiome of the Participants of the MARS-500 Experiment, Simulating Long Term Space Flight. Acta Naturae, 2013, 5, 116-125.	1.7	38
1404	Fecal Metabolites As Non-Invasive Biomarkers of Gut Diseases. Acta Naturae, 2020, 12, 4-14.	1.7	12
1405	Gut microbiota and the development of obesity. Nutricion Hospitalaria, 2012, 27, 1408-14.	0.2	32
1406	Intestinal microbiota, obesity and prebiotics. Polish Journal of Microbiology, 2015, 64, 93-100.	0.6	35
1407	Effect of Pre- and Post-Weaning High-Fat Dietary Manipulation on Intestinal Microflora and Alkaline Phosphatase Activity in Male Rats. Physiological Research, 2017, 66, 677-685.	0.4	5
1408	Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized Cross-Over Controlled Clinical Trial. Foods, 2020, 9, 1279.	1.9	16
1409	Metagenomic Analysis of Duodenal Microbiota Reveals a Potential Biomarker of Dysbiosis in the Course of Obesity and Type 2 Diabetes: A Pilot Study. Journal of Clinical Medicine, 2020, 9, 369.	1.0	39
1410	Gallstone Disease, Obesity and the Firmicutes/Bacteroidetes Ratio as a Possible Biomarker of Gut Dysbiosis. Journal of Personalized Medicine, 2021, 11, 13.	1.1	121

#	Article	IF	Citations
1411	Does Gut-Microbiome Interaction Protect against Obesity and Obesity-Associated Metabolic Disorders?. Microorganisms, 2021, 9, 18.	1.6	15
1412	Gut microbiota related to Giardia duodenalis, Entamoeba spp. and Blastocystis hominis infections in humans from CÃ´te dâ€™Ivoire. Journal of Infection in Developing Countries, 2016, 10, 1035-1041.	0.5	89
1413	Faecal microbiota of healthy adults in south India: Comparison of a tribal & a rural population. Indian Journal of Medical Research, 2017, 145, 237-246.	0.4	10
1414	Evaluation of fecal microbiomes associated with obesity in captive cynomolgus monkeys (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	7
1415	Abundance and Diversity of Microbiota in Type 2 Diabetes and Obesity. Journal of Diabetes & Metabolism, 2013, 04, .	0.2	17
1416	Role of Gut-Brain Axis in the Aetiology of Neurodevelopmental Disorders with Reference to Autism. , 2012, 01, .		6
1417	Bacteria and Obesity: The Proportion Makes the Difference. Surgery Current Research, 2013, 03, .	0.1	4
1418	Gut Microbiota Dysbiosis in Cafeteria Diet Fed Sprague Dawley Rats. Advances in Microbiology, 2018, 08, 975-993.	0.3	4
1419	Fermentation Patterns of Various Pectin Sources by Human Fecal Microbiota. Food and Nutrition Sciences (Print), 2015, 06, 1103-1114.	0.2	15
1420	Management of non-alcoholic fatty liver disease in 2015. World Journal of Hepatology, 2015, 7, 2962.	0.8	33
1421	Implication of the intestinal microbiome in complications of cirrhosis. World Journal of Hepatology, 2016, 8, 1128.	0.8	25
1422	Human microbiome: From the bathroom to the bedside. World Journal of Gastrointestinal Pathophysiology, 2015, 6, 79.	0.5	8
1423	Butyric acid: what is the future for this old substance?. Swiss Medical Weekly, 2012, 142, w13596.	0.8	21
1424	Difference of gut microbiota composition based on the body condition scores in dogs. Journal of Animal Science and Technology, 2020, 62, 239-246.	0.8	25
1426	Effect of increasing levels of rice distillersâ€™ by-product on growth performance, nutrient digestibility, blood profile and colonic microbiota of weaned piglets. Asian-Australasian Journal of Animal Sciences, 2020, 33, 788-801.	2.4	4
1427	Changes in the intestinal microbiota of superobese patients after bariatric surgery. Clinics, 2019, 74, e1198.	0.6	13
1428	Impact of birth weight and postnatal diet on the gut microbiota of young adult guinea pigs. PeerJ, 2017, 5, e2840.	0.9	11
1429	Alteration of the gut microbiota associated with childhood obesity by 16S rRNA gene sequencing. PeerJ, 2020, 8, e8317.	0.9	74

#	Article	IF	Citations
1430	Comparative study of gut microbiota in Tibetan wild asses (<i>Equus kiang</i>) and domestic donkeys (<i>Equus asinus</i>) on the Qinghai-Tibet plateau. PeerJ, 2020, 8, e9032.	0.9	20
1431	Gut microbiota of obese and diabetic Thai subjects and interplay with dietary habits and blood profiles. PeerJ, 2020, 8, e9622.	0.9	7
1432	A clinical primer of the role of gut microbiome in health and disease. Tropical Gastroenterology: Official Journal of the Digestive Diseases Foundation, 2015, 36, 1-13.	0.0	9
1433	Genome-Scale Metabolic Modelling of the Human Gut Microbiome Reveals Changes of the Glyoxylate and Dicarboxylate Metabolism in Metabolic Disorders. SSRN Electronic Journal, 0, , .	0.4	0
1434	Gut Microbiota-Related Cellular and Molecular Mechanisms in the Progression of Nonalcoholic Fatty Liver Disease. Cells, 2021, 10, 2634.	1.8	13
1435	Modulation of Adipocyte Metabolism by Microbial Short-Chain Fatty Acids. Nutrients, 2021, 13, 3666.	1.7	23
1436	Rapeseed polysaccharides alleviate overweight induced by high-fat diet with regulation of gut microbiota in rats. Oil Crop Science, 2021, 6, 192-200.	0.9	8
1437	Loss of diurnal behavioral rhythms and impaired lipid metabolism in growing pigs with mistimed feeding. FASEB Journal, 2021, 35, e21972.	0.2	4
1438	Distinct Effects of Short Chain Fatty Acids on Host Energy Balance and Fuel Homeostasis With Focus on Route of Administration and Host Species. Frontiers in Neuroscience, 2021, 15, 755845.	1.4	10
1439	The Gut Microbiota Changes in Obese People: A New Perspective for the Modern Medicine. The International Journal of Gastroenterology and Hepatology Diseases, 2022, 1, .	0.1	0
1440	Effect of chewing betel nut on the gut microbiota of Hainanese. PLoS ONE, 2021, 16, e0258489.	1.1	1
1441	Obesity and Colorectal Cancer Risk: Impact of the Gut Microbiota and Weight-Loss Diets. The Open Obesity Journal, 2010, 2, 50-62.	0.1	3
1443	Probiotics and Prebiotics and the Gut Microbiota. , 2013, , 258-268.		2
1444	Dietary Influence of the Gut Microbiome Potential Hazards and Benefits. , 2014, 04, .		0
1445	The Role of Microbes in Obesity. , 2014, , 59-73.		0
1446	AÂLactobacillusÂCocktail Changes Gut Flora and Reduces Cholesterolemia and Weight Gain in Hyperlipidemia Mice. SOJ Microbiology & Infectious Diseases, 2014, 2, .	0.7	0
1447	Nutrition Care Across the Weight Loss Surgery Process. , 2014, , 129-144.		3
1448	Review of Nutritional Gastrointestinal Physiology Imposed by Bariatric Surgical Procedures. , 2014, , 1-22.		0

#	Article	IF	Citations
1450	Commensal Bugs from the Gut-Shaping Human Health and Disease. Journal of Investigative Genomics, 2014, 1, .	0.2	0
1451	Inulin and Health Benefits. , 2015, , 675-715.		3
1452	Gut microbiome dysbiosis in metabolic disorders: implications for probiotics as prospective investigational new drugs. Journal of Gastrointestinal Infections, 2015, 5, 5-12.	0.1	0
1453	Gut Microbiome, Obesity and Metabolic Syndrome. , 2015, , 1-14.		2
1454	Fecal microbiota analysis of obese dogs with underlying diseases: a pilot study. Korean Journal of Veterinary Research, 2015, 55, 205-208.	0.2	2
1455	Obesitas bij volwassenen. , 2016, , 65-95.		0
1456	Oral Lichen Planus and Features in the Short Chain Fatty Acid Pattern Produced by Colonic Fermentation. International Journal of Biomedicine, 2016, 6, 74-77.	0.1	0
1457	Effect of Virgin Coconut Oil Supplementation on Obese Ratsâ€™ Anthropometrical Parameters and Gut Bacteroidetes and Firmicutes Change Ratio. Cord, 2020, 32, 14.	0.1	0
1459	The role of gut microbiota in metabolic regulation. Diabetes Mellitus, 2016, 19, 280-285.	0.5	5
1460	24. Heart health and microorganisms: the unexpected beat. Human Health Handbooks, 2017, , 511-531.	0.1	0
1462	Protective Effect of Inulin and the Integrity of the Microvasculature in Diabetes Mellitus. Biomedical and Pharmacology Journal, 2018, 11, 807-813.	0.2	1
1464	COLONIC MICROBIOTA AND CHRONIC KIDNEY DISEASE. MESSAGE ONE. Nephrology (Saint-Petersburg), 2018, 22, 57-73.	0.1	8
1466	An Overview of the Therapeutic Aspect of Living Drugs Probiotics. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2019, , 1-34.	0.1	0
1467	Gut Microbiota Dysbiosis and Their Impact on Biochemical and Inflammatory Profiles in Cafeteria Diet Fed Sprague Dawley Rats. Advances in Microbiology, 2019, 09, 775-789.	0.3	2
1468	â€œWe Are What We Eatâ€: How Diet Impacts the Gut Microbiota in Adulthood. , 2019, , 259-283.		1
1469	FEATURES OF THE INTESTINAL MICROBIOTA IN CHILDREN WITH ALLERGIC DISEASES AND VARIOUS BODY WEIGHT. Russian Pediatric Journal, 2019, 20, 202-206.	0.0	0
1470	Akkermansia muciniphila: Obezite ve Diyabetten Korunmada Yeni Bir Alternatif Olabilir mi?. European Journal of Science and Technology, 0, , 533-543.	0.5	3
1471	The Role of the Gut Microbiota in Obesity. Korean Journal of Medicine, 2019, 94, 410-413.	0.1	1

#	Article	IF	Citations
1473	Physiological Characteristics and Anti-diabetic Effect of Lactobacillus plantarum KI69. Journal of Milk Science and Biotechnology, 2019, 37, 223-236.	0.3	4
1474	Vaccine therapy for dysbiosis-related diseases. World Journal of Gastroenterology, 2020, 26, 2758-2767.	1.4	4
1475	Alleviation of Metabolic Endotoxemia by Milk Fat Globule Membrane: Rationale, Design, and Methods of a Double-Blind, Randomized, Controlled, Crossover Dietary Intervention in Adults with Metabolic Syndrome. Current Developments in Nutrition, 2020, 4, nzaa130.	0.1	4
1476	Probiotic Bacteriotherapy and Its Oral Health Perspective. Journal of Evolution of Medical and Dental Sciences, 2020, 9, 2479-2483.	0.1	0
1477	Gut Microbiome in Chronic Coronary Syndrome Patients. Journal of Clinical Medicine, 2021, 10, 5074.	1.0	13
1478	Alterations in the gut microbiota and metabolite profiles of patients with Kashin-Beck disease, an endemic osteoarthritis in China. Cell Death and Disease, 2021, 12, 1015.	2.7	13
1479	The ratio of xylooligosaccharide to ferulic acid affects faecal ferulic acid content, short chain fatty acid output, and gut stress. Acta Alimentaria, 2021, 50, 494-504.	0.3	0
1480	Comprehensive functional core microbiome comparison in genetically obese and lean hosts under the same environment. Communications Biology, 2021, 4, 1246.	2.0	14
1482	Philotypes of intestinal microbiotes in patients with arterial hypertension and abdominal obesity. PatologÃa, 2020, .	0.1	1
1483	Characteristics of intestinal dysbiosis in patients with non-alcoholic fatty liver disease. Modern Gastroenterology, 2020, .	0.1	1
1484	Etiopathogenesis of NAFLD: Diet, Gut, and NASH. , 2020, , 73-95.		0
1485	Do My Microbes Make Me Fat? Potential for the Gut Microbiota to Influence Energy Balance, Obesity and Metabolic Health in Humans. Fascinating Life Sciences, 2020, , 97-108.	0.5	0
1486	The Gut Microbiome: Connecting Diet, Glucose Homeostasis, and Disease. Annual Review of Medicine, 2022, 73, 469-481.	5.0	20
1487	The effect of cereal Î²â€glucan on body weight and adiposity: A review of efficacy and mechanism of action. Critical Reviews in Food Science and Nutrition, 2023, 63, 3838-3850.	5.4	6
1488	Sex Differences in Cardiovascular Impact of Early Metabolic Impairment: Interplay between Dysbiosis and Adipose Inflammation. Molecular Pharmacology, 2022, 102, 60-79.	1.0	2
1489	Gut Microbiome-Mediated Alteration of Immunity, Inflammation, and Metabolism Involved in the Regulation of Non-alcoholic Fatty Liver Disease. Frontiers in Microbiology, 2021, 12, 761836.	1.5	21
1490	Impact of Gut Microbiota on the Risk of Cardiometabolic Diseases Development. Rational Pharmacotherapy in Cardiology, 2021, 17, 743-751.	0.3	2
1491	Paediatric obesity: a systematic review and pathway mapping of metabolic alterations underlying early disease processes. Molecular Medicine, 2021, 27, 145.	1.9	13

#	Article	IF	Citations
1492	Contributions of Lactobacillus plantarum PC170 administration on the recovery of gut microbiota after short-term ceftriaxone exposure in mice. Beneficial Microbes, 2020, 11, 489-509.	1.0	7
1493	Composition and metabolic activity of the gut microbiota in obese children and adolescents. Sibirskij Å¾urnal KliniÄeskoj I Ã¨ksperimentalÊ¹noj Mediciny, 2020, 35, 38-46.	0.1	2
1494	Probable alterations in fecal bacterial microbiota by somatostatin receptor analogs in acromegaly. Turkish Journal of Biochemistry, 2020, 45, 695-700.	0.3	0
1495	Characterization of Gut Microbiome in Liver Transplant Recipients With Nonalcoholic Steatohepatitis. Transplantation Direct, 2020, 6, e625.	0.8	12
1496	The Biochemical Linkage between Gut Microbiota and Obesity: a Mini Review. Human Physiology, 2020, 46, 703-708.	0.1	0
1497	Metagenomic Analysis of the Dynamic Changes in the Gut Microbiome of the Participants of the MARS-500 Experiment, Simulating Long Term Space Flight. Acta Naturae, 2013, 5, 116-25.	1.7	22
1498	Gut bacteria in health and disease. Gastroenterology and Hepatology, 2013, 9, 560-9.	0.2	120
1499	Part 1: The Human Gut Microbiome in Health and Disease. Integrative Medicine, 2014, 13, 17-22.	0.1	104
1500	Part 2: Treatments for Chronic Gastrointestinal Disease and Gut Dysbiosis. Integrative Medicine, 2015, 14, 25-33.	0.1	12
1501	Intermittent Fasting Improves Lipid Metabolism Through Changes in Gut Microbiota in Diet-Induced Obese Mice. Medical Science Monitor, 2020, 26, e926789.	0.5	4
1502	Probiotics and postbiotics: focus on metabolic syndrome. , 2022, , 311-329.		1
1503	The association between body mass index and the oral Firmicutes and Bacteroidetes profiles of healthy individuals. Malaysian Family Physician, 2021, 16, 36-43.	0.2	7
1504	Is Colectomy Associated with the Risk of Type 2 Diabetes in Patients without Colorectal Cancer? A Population-Based Cohort Study. Journal of Clinical Medicine, 2021, 10, 5313.	1.0	3
1505	Dietary Patterns and Associated Microbiome Changes that Promote Oncogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 725821.	1.8	8
1506	The interaction among gut microbes, the intestinal barrier and short chain fatty acids. Animal Nutrition, 2022, 9, 159-174.	2.1	59
1507	Anti-Inflammatory Function of Fatty Acids and Involvement of Their Metabolites in the Resolution of Inflammation in Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2021, 22, 12803.	1.8	26
1508	Linking Gut Microbiota, Metabolic Syndrome and Metabolic Health among a Sample of Obese Egyptian Females. Open Access Macedonian Journal of Medical Sciences, 2021, 9, 1123-1131.	0.1	2
1509	Das Mikrobiom: Einfluss auf Adipositas und Diabetes. , 0, , .		0

#	Article	IF	Citations
1510	Structural modification and dynamic <i>in vitro</i> fermentation profiles of precooked pea starch as affected by different drying methods. Food and Function, 2021, 12, 12706-12723.	2.1	5
1511	The differential modulatory effects of <i>Eurotium cristatum</i> on the gut microbiota of obese dogs and mice are associated with improvements in metabolic disturbances. Food and Function, 2021, 12, 12812-12825.	2.1	7
1513	Ð—ÐÐ¾Ñ€Ð¾Ð²Ð° ÑÑƒÑ‡Ð°ÑÐ½Ð° Ð»ÑŽÐÐ¸Ð½Ð°: ÑÑŒÐ¾Ð³Ð¾ÐÐµÐ½Ð½Ñ•Ñ‚Ð° Ð¼Ð°Ð¹Ð±ÑƒÑ‚Ð½Ñ” Gastroenterologia	0.0	0
1514	Intermittent Fasting Improves Lipid Metabolism Through Changes in Gut Microbiota in Diet-Induced Obese Mice. Medical Science Monitor, 2020, 26, e926789.	0.5	23
1515	Metabolic and Neural Mechanisms Underlying the Associations Between Gut Bacteroides and Cognition: A Large-Scale Functional Network Connectivity Study. Frontiers in Neuroscience, 2021, 15, 750704.	1.4	6
1516	Gut microbiota in patients with Alzheimerâ€™s disease spectrum: a systematic review and meta-analysis. Aging, 2022, 14, 477-496.	1.4	61
1517	A Highâ€Fat Highâ€Fructose Diet Dysregulates the Homeostatic Crosstalk Between Gut Microbiome, Metabolome, and Immunity in an Experimental Model of Obesity. Molecular Nutrition and Food Research, 2022, 66, e2100950.	1.5	15
1518	Association between Fecal Short-Chain Fatty Acid Levels, Diet, and Body Mass Index in Patients with Inflammatory Bowel Disease. Biology, 2022, 11, 108.	1.3	12
1519	Understanding the Effects of Antipsychotics on Appetite Control. Frontiers in Nutrition, 2021, 8, 815456.	1.6	17
1520	Positive Effect of Lactobacillus acidophilus EG004 on Cognitive Ability of Healthy Mice by Fecal Microbiome Analysis Using Full-Length 16S-23S rRNA Metagenome Sequencing. Microbiology Spectrum, 2022, 10, e0181521.	1.2	8
1521	The Interaction between the Gut Microbiome and Bile Acids in Cardiometabolic Diseases. Metabolites, 2022, 12, 65.	1.3	16
1522	Impact of antibiotics on the human microbiome and consequences for host health. MicrobiologyOpen, 2022, 11, e1260.	1.2	169
1524	Impact of microplastics on the intestinal microbiota: A systematic review of preclinical evidence. Life Sciences, 2022, 294, 120366.	2.0	16
1525	Weight-loss in obese dogs promotes important shifts in fecal microbiota profile to the extent of resembling microbiota of lean dogs. Animal Microbiome, 2022, 4, 6.	1.5	7
1526	Why Do These Microbes Like Me and How Could There Be a Link with Cardiovascular Risk Factors?. Journal of Clinical Medicine, 2022, 11, 599.	1.0	0
1527	Therapeutic applications of probiotics and its regulatory framework. , 2022, , 635-665.		0
1528	Theabrownin-targeted regulation of intestinal microorganisms to improve glucose and lipid metabolism in Goto-Kakizaki rats. Food and Function, 2022, 13, 1921-1940.	2.1	19
1529	Differences in gut microbiome by insulin sensitivity status in Black and White women of the National Growth and Health Study (NGHS): A pilot study. PLoS ONE, 2022, 17, e0259889.	1.1	5

#	Article	IF	Citations
1530	The gut microbiotaâ€"brain axis: Role of the gut microbial metabolites of dietary food in obesity. Food Research International, 2022, 153, 110971.	2.9	16
1531	Interactions between the environmental and human microbiota in the preservation of health and genesis of disease: symposium report. Current Opinion in Gastroenterology, 2022, 38, 146-155.	1.0	1
1532	Nostoc flagelliforme capsular polysaccharides from different culture conditions improve hyperlipidemia and regulate intestinal flora in C57BL/6J mice to varying degrees. International Journal of Biological Macromolecules, 2022, 202, 224-233.	3.6	9
1533	Raspberry consumption: identification of distinct immune-metabolic response profiles by whole blood transcriptome profiling. Journal of Nutritional Biochemistry, 2022, 101, 108946.	1.9	9
1534	Integrative analysis of fecal metabolome and gut microbiota in high-fat diet-induced hyperlipidemic rats treated with Rosa Roxburghii Tratt juice. Journal of Functional Foods, 2022, 90, 104978.	1.6	13
1535	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling. Molecular and Cellular Endocrinology, 2022, 546, 111572.	1.6	117
1536	The model of litter size reduction induces longâ€term disruption of the gutâ€brain axis: An explanation for the hyperphagia of Wistar rats of both sexes. Physiological Reports, 2022, 10, e15191.	0.7	5
1537	Dietary macronutrients and the gut microbiome: a precision nutrition approach to improve cardiometabolic health. Gut, 2022, 71, 1214-1226.	6.1	50
1538	Dietary Blueberry Ameliorates Vascular Complications in Diabetic Mice Possibly through NOX4 and Modulates Composition and Functional Diversity of Gut Microbes. Molecular Nutrition and Food Research, 2022, 66, e2100784.	1.5	12
1539	Dietary Succinoglycan Riclin Improves Glycemia Control in Mice with Type 2 Diabetes. Journal of Agricultural and Food Chemistry, 2022, 70, 1819-1829.	2.4	9
1540	The Origins of NAFLD: The Potential Implication of Intrauterine Life and Early Postnatal Period. Cells, 2022, 11, 562.	1.8	6
1541	Microbiota and body weight control: Weight watchers within?. Molecular Metabolism, 2022, 57, 101427.	3.0	25
1542	Intestinal Barrier and Permeability in Health, Obesity and NAFLD. Biomedicines, 2022, 10, 83.	1.4	71
1544	The Gut Microbiome. , 2022, , .		0
1545	Pulse Crop Biofortification Toward Human Health, Targeting Prebiotic Carbohydrates, Protein, and Minerals. , 2022, , 205-224.		0
1546	Gut Microbiome and the Role of Metabolites in the Study of Gravesâ€™ Disease. Frontiers in Molecular Biosciences, 2022, 9, 841223.	1.6	8
1547	Relationships Among Gut Microbiota, Ischemic Stroke and Its Risk Factors: Based on Research Evidence. International Journal of General Medicine, 0, Volume 15, 2003-2023.	0.8	1
1548	Two Blautia Species Associated with Visceral Fat Accumulation: A One-Year Longitudinal Study. Biology, 2022, 11, 318.	1.3	16

#	Article	IF	Citations
1549	Blood Bacterial 16S rRNA Gene Alterations in Women With Polycystic Ovary Syndrome. Frontiers in Endocrinology, 2022, 13, 814520.	1.5	8
1550	Sarecycline Demonstrated Reduced Activity Compared to Minocycline against Microbial Species Representing Human Gastrointestinal Microbiota. Antibiotics, 2022, 11, 324.	1.5	7
1551	A review on the potential use of natural products in overweight and obesity. Phytotherapy Research, 2022, 36, 1990-2015.	2.8	7
1552	Differences in the composition and predicted functions of the intestinal microbiome of obese and normal weight adult dogs. PeerJ, 2022, 10, e12695.	0.9	6
1553	Gut microbiota and BMI throughout childhood: the role of firmicutes, bacteroidetes, and short-chain fatty acid producers. Scientific Reports, 2022, 12, 3140.	1.6	65
1554	Gut Microbiome in Non-Alcoholic Fatty Liver Disease: From Mechanisms to Therapeutic Role. Biomedicines, 2022, 10, 550.	1.4	16
1555	Multi-Omics Association Reveals the Effects of Intestinal Microbiomeâ€"Host Interactions on Fat Deposition in Broilers. Frontiers in Microbiology, 2021, 12, 815538.	1.5	11
1556	Personal dietâ€"microbiota interactions and weight loss. Proceedings of the Nutrition Society, 2022, 81, 243-254.	0.4	8
1557	ACSS3 in brown fat drives propionate catabolism and its deficiency leads to autophagy and systemic metabolic dysfunction. Clinical and Translational Medicine, 2022, 12, e665.	1.7	6
1558	Obesity is associated with a distinct brain-gut microbiome signature that connects Prevotella and Bacteroides to the brainâ€™s reward center. Gut Microbes, 2022, 14, 2051999.	4.3	28
1559	Higher total faecal short-chain fatty acid concentrations correlate with increasing proportions of butyrate and decreasing proportions of branched-chain fatty acids across multiple human studies. Gut Microbiome, 2022, 3, .	0.8	8
1560	Digestive Characteristics of Hericium erinaceus Polysaccharides and Their Positive Effects on Fecal Microbiota of Male and Female Volunteers During in vitro Fermentation. Frontiers in Nutrition, 2022, 9, 858585.	1.6	16
1561	Characterization of metabolites and biomarkers for the probiotic effects of Clostridium cochlearium on high-fat diet-induced obese C57BL/6 mice. European Journal of Nutrition, 2022, 61, 2217-2229.	1.8	2
1562	Type, Intensity, and Duration of Exercise as Regulator of Gut Microbiome Profile. Current Sports Medicine Reports, 2022, 21, 84-91.	0.5	8
1563	Immunoregulatory Effect of Short-Chain Fatty Acids from Gut Microbiota on Obstructive Sleep Apnea-Associated Hypertension. Nature and Science of Sleep, 2022, Volume 14, 393-405.	1.4	8
1564	Changes in intestinal parameters and their association with dietary patterns in rotational shift workers. Chronobiology International, 2022, 39, 872-885.	0.9	6
1565	Dietary fiber combinations to mitigate the metabolic, microbial, and cognitive imbalances resulting from dietâ€induced obesity in rats. FASEB Journal, 2022, 36, e22269.	0.2	4
1566	Impact of wheat aleurone on biomarkers of cardiovascular disease, gut microbiota and metabolites in adults with high body mass index: a double-blind, placebo-controlled, randomized clinical trial. European Journal of Nutrition, 2022, 61, 2651-2671.	1.8	5

#	Article	IF	Citations
1567	Neurohormonal Changes in the Gutâ€"Brain Axis and Underlying Neuroendocrine Mechanisms following Bariatric Surgery. International Journal of Molecular Sciences, 2022, 23, 3339.	1.8	21
1568	Effects of Konjaku Flour on the Gut Microbiota of Obese Patients. Frontiers in Cellular and Infection Microbiology, 2022, 12, 771748.	1.8	12
1569	Ulva prolifera polysaccharide exerts anti-obesity effects via upregulation of adiponectin expression and gut microbiota modulation in high-fat diet-fed C57BL/6 mice. Journal of Food and Drug Analysis, 2022, 30, 46-61.	0.9	12
1570	The next generation beneficial actions of novel probiotics as potential therapeutic targets and prediction tool for metabolic diseases. Journal of Food and Drug Analysis, 2022, 30, 1-10.	0.9	6
1571	Fucoidan Is Not Completely Dependent on Degradation to Fucose to Relieve Ulcerative Colitis. Pharmaceuticals, 2022, 15, 430.	1.7	5
1572	Composition and short-term stability of gut microbiota in lean and spontaneously overweight healthy Labrador retriever dogs. Acta Veterinaria Scandinavica, 2022, 64, 8.	0.5	7
1573	Fecal Microbiota Transplant in a Pre-Clinical Model of Type 2 Diabetes Mellitus, Obesity and Diabetic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 3842.	1.8	23
1574	Hydrolyzed Bound Phenolics from Rice Bran Alleviate Hyperlipidemia and Improve Gut Microbiota Dysbiosis in High-Fat-Diet Fed Mice. Nutrients, 2022, 14, 1277.	1.7	6
1575	Gut Mucosal Microbiome Is Perturbed in Rheumatoid Arthritis Mice and Partly Restored after TDAG8 Deficiency or Suppression by Salicylanilide Derivative. International Journal of Molecular Sciences, 2022, 23, 3527.	1.8	8
1576	Comparison between Egg Intake versus Choline Supplementation on Gut Microbiota and Plasma Carotenoids in Subjects with Metabolic Syndrome. Nutrients, 2022, 14, 1179.	1.7	13
1577	Correlation Analysis of Gut Microbiota and Serum Metabolome With Porphyromonas gingivalis-Induced Metabolic Disorders. Frontiers in Cellular and Infection Microbiology, 2022, 12, 858902.	1.8	16
1578	Dietary Fats and the Gut Microbiota: Their impacts on lipid-induced metabolic syndrome. Journal of Functional Foods, 2022, 91, 105026.	1.6	12
1579	Pharmacologically induced weight loss is associated with distinct gut microbiome changes in obese rats. BMC Microbiology, 2022, 22, 91.	1.3	4
1580	Gut microbiome and prostate cancer. International Journal of Urology, 2022, 29, 793-798.	0.5	35
1581	Characteristics of the gut microbiota in pregnant women with fetal growth restriction. BMC Pregnancy and Childbirth, 2022, 22, 297.	0.9	10
1582	Evaluating the effects of a standardized polyphenol mixture extracted from poplar-type propolis on healthy and diseased human gut microbiota. Biomedicine and Pharmacotherapy, 2022, 148, 112759.	2.5	13
1583	A multi-omics approach to elucidate the mechanisms of action of a dietary muramidase administered to broiler chickens. Scientific Reports, 2022, 12, 5559.	1.6	13
1584	Identification and action mechanism of lipid regulating components from Rhei Radix et rhizoma. Journal of Ethnopharmacology, 2022, 292, 115179.	2.0	9

#	Article	IF	Citations
1585	Butylated starch alleviates polycystic ovary syndrome by stimulating the secretion of peptide tyrosine-tyrosine and regulating faecal microbiota. Carbohydrate Polymers, 2022, 287, 119304.	5.1	18
1586	Postprandial consequences of lipid absorption in the onset of obesity: Role of intestinal CD36. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159154.	1.2	3
1587	The development of the cure of the functional intestinal disorder based on the differences of gut microbiota in aged patients. Medicine (United States), 2021, 100, e27696.	0.4	1
1588	Weight loss and high-protein, high-fiber diet consumption impact blood metabolite profiles, body composition, voluntary physical activity, fecal microbiota, and fecal metabolites of adult dogs. Journal of Animal Science, 2022, 100, .	0.2	13
1590	Toward Elucidating the Human Gut Microbiotaâ€"Brain Axis: Molecules, Biochemistry, and Implications for Health and Diseases. Biochemistry, 2022, 61, 2806-2821.	1.2	6
1591	The gut microbiome and microbial metabolites in acute myocardial infarction. Journal of Genetics and Genomics, 2022, 49, 569-578.	1.7	11
1592	Gut microbiota and obesity. Can probiotics help?. PediatriÃ¢ Consilium Medicum, 2021, , 330-334.	0.1	0
1593	An In Vitro Protocol to Study the Modulatory Effects of a Food or Biocompound on Human Gut Microbiome and Metabolome. Foods, 2021, 10, 3020.	1.9	1
1594	Role of Microbiota-Derived Metabolites in Alcoholic and Non-Alcoholic Fatty Liver Diseases. International Journal of Molecular Sciences, 2022, 23, 426.	1.8	37
1595	Asthma and obesity: endotoxin another insult to add to injury?. Clinical Science, 2021, 135, 2729-2748.	1.8	9
1596	It Is High Time Physicians Thought of Natural Products for Alleviating NAFLD. Is There Sufficient Evidence to Use Them?. International Journal of Molecular Sciences, 2021, 22, 13424.	1.8	61
1597	Metaproteomics Approach and Pathway Modulation in Obesity and Diabetes: A Narrative Review. Nutrients, 2022, 14, 47.	1.7	7
1598	Interactions of Non-Nutritive Artificial Sweeteners with the Microbiome in Metabolic Syndrome. Immunometabolism, 2022, 4, .	0.7	6
1599	Beneficial Effects of Three Dietary Cyclodextrins on Preventing Fat Accumulation and Remodeling Gut Microbiota in Mice Fed a High-Fat Diet. Foods, 2022, 11, 1118.	1.9	3
1600	The Effects of High Fiber Rye, Compared to Refined Wheat, on Gut Microbiota Composition, Plasma Short Chain Fatty Acids, and Implications for Weight Loss and Metabolic Risk Factors (the RyeWeight) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	32
1664	Health effects of yogurt consumption during paediatric age: a narrative review. International Journal of Food Sciences and Nutrition, 2022, 73, 738-759.	1.3	4
1665	Dietary fiber in the prevention of obesity and obesity-related chronic diseases: From epidemiological evidence to potential molecular mechanisms. Critical Reviews in Food Science and Nutrition, 2023, 63, 8752-8767.	5.4	43
1666	Whole-Genome Shotgun Metagenomic Sequencing Reveals Distinct Gut Microbiome Signatures of Obese Cats. Microbiology Spectrum, 2022, 10, e0083722.	1.2	15

#	Article	IF	Citations
1667	Novel Bacillus ginsengihumi CMRO6 Inhibits Adipogenesis via p38MAPK/Erk44/42 and Stimulates Glucose Uptake in 3T3-L1 Pre-Adipocytes through Akt/AS160 Signaling. International Journal of Molecular Sciences, 2022, 23, 4727.	1.8	5
1668	Role of Short-Chain Fatty Acids Produced by Gut Microbiota in Innate Lung Immunity and Pathogenesis of the Heterogeneous Course of Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2022, 23, 4768.	1.8	22
1669	Pleurotus Ostreatus Ameliorates Obesity by Modulating the Gut Microbiota in Obese Mice Induced by High-Fat Diet. Nutrients, 2022, 14, 1868.	1.7	19
1670	Prebiotic Potential of Dietary Beans and Pulses and Their Resistant Starch for Aging-Associated Gut and Metabolic Health. Nutrients, 2022, 14, 1726.	1.7	21
1671	Intestinal Microbiota-Derived Short Chain Fatty Acids in Host Health and Disease. Nutrients, 2022, 14, 1977.	1.7	65
1672	Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice. Food and Nutrition Research, 0, 66, .	1.2	5
1673	Metabolites of Gut Microbiota and Possible Implication in Development of Diabetes Mellitus. Journal of Agricultural and Food Chemistry, 2022, 70, 5945-5960.	2.4	19
1674	Bacteroides ovatus-mediated CD27â˜ MAIT cell activation is associated with obesity-related T2D progression. , 2022, 19, 791-804.		10
1675	Associations of Blautia Genus With Early-Life Events and Later Phenotype in the NutriHS. Frontiers in Cellular and Infection Microbiology, 2022, 12, .	1.8	6
1676	Rifaximin and lubiprostone mitigate liver fibrosis development by repairing gut barrier function in dietâ€“induced rat steatohepatitis. Digestive and Liver Disease, 2022, 54, 1392-1402.	0.4	7
1677	Effects of Low-Carbohydrate Diet and Exercise Training on Gut Microbiota. Frontiers in Nutrition, 2022, 9, 884550.	1.6	12
1679	Any Future for Faecal Microbiota Transplantation as a Novel Strategy for Gut Microbiota Modulation in Human and Veterinary Medicine?. Life, 2022, 12, 723.	1.1	5
1680	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. Microbiology Spectrum, 2022, 10, e0267421.	1.2	3
1681	A Nine-Strain Bacterial Consortium Improves Portal Hypertension and Insulin Signaling and Delays NAFLD Progression In Vivo. Biomedicines, 2022, 10, 1191.	1.4	2
1682	From Gut Microbiota through Low-Grade Inflammation to Obesity: Key Players and Potential Targets. Nutrients, 2022, 14, 2103.	1.7	29
1683	Overview of Nutraceuticals and Cardiometabolic Diseases following Socio-Economic Analysis. Endocrines, 2022, 3, 255-295.	0.4	1
1684	Interplay between PCOS and microbiome: The road less travelled. American Journal of Reproductive Immunology, 2022, 88, .	1.2	5
1685	Comparative Analysis of Original and Replaced Gut Microbiomes within Same Individuals Identified the Intestinal Microbes Associated with Weight Gaining. Microorganisms, 2022, 10, 1062.	1.6	4

#	Article	IF	Citations
1686	Genome-scale metabolic modelling of the human gut microbiome reveals changes in the glyoxylate and dicarboxylate metabolism in metabolic disorders. IScience, 2022, 25, 104513.	1.9	15
1687	Interrelations between Gut Microbiota Composition, Nutrient Intake and Diabetes Status in an Adult Japanese Population. Journal of Clinical Medicine, 2022, 11, 3216.	1.0	1
1688	Changes of Short-Chain Fatty Acids and Their Receptors in an Obese Rat Model After Sleeve Gastrectomy. Obesity Surgery, 2022, 32, 2649-2657.	1.1	5
1689	Alteration of fecal microbiome and metabolome by mung bean coat improves diet-induced non-alcoholic fatty liver disease in mice. Food Science and Human Wellness, 2022, 11, 1259-1272.	2.2	15
1690	Does bisphenol-A affect alteration of gut microbiome after bariatric/metabolic surgery?: a comparative metagenomic analysis in a long-term high-fat diet induced-obesity rat model. Annals of Surgical Treatment and Research, 2022, 102, 342.	0.4	1
1691	Probiotics for obesity and metabolic syndrome prevention and treatment. , 2022, , 463-484.		0
1692	Gut microbiota is associated with metabolic health in children with obesity. Clinical Nutrition, 2022, 41, 1680-1688.	2.3	23
1693	Clinical-social and psychological-pedagogical approaches in the prevention and treatment of obesity and metabolic syndrome in children. Kazan Medical Journal, 2022, 103, 492-503.	0.1	1
1694	Dietary Influences on Gut Microbiota with a Focus on Metabolic Syndrome. Metabolic Syndrome and Related Disorders, 2022, 20, 429-439.	0.5	16
1695	Microbiological Investigation of the Effects of Olanzapine with Timokinon on the Intestine. AdÄ±yaman University Journal of Science, 0, , .	0.0	0
1696	Increases in Circulating and Fecal Butyrate are Associated With Reduced Blood Pressure and Hypertension: Results From the SPIRIT Trial. Journal of the American Heart Association, 2022, 11, .	1.6	12
1697	Antidiabetogenic mechanisms of probiotic action in food matrices: A review. PharmaNutrition, 2022, , 100302.	0.8	0
1698	Personalized Strategy of Obesity Prevention and Management Based on the Analysis of Pathogenetic, Genetic, and Microbiotic Factors. , 0, , .		2
1699	Anti-Obesity and Gut Microbiota Regulation Effects of Phospholipids from the Eggs of Crab, Portunus Trituberculatus, in High Fat Diet-Fed Mice. Marine Drugs, 2022, 20, 411.	2.2	3
1700	Effects of Dietary Nutrients on Fatty Liver Disease Associated With Metabolic Dysfunction (MAFLD): Based on the Intestinal-Hepatic Axis. Frontiers in Nutrition, 0, 9, .	1.6	9
1701	Alteration of Gut Microbiota in Alzheimerâ€™s Disease and Their Relation to the Cognitive Impairment. Journal of Alzheimer's Disease, 2022, 88, 1103-1114.	1.2	18
1702	The Role of Nutritional Factors in the Modulation of the Composition of the Gut Microbiota in People with Autoimmune Diabetes. Nutrients, 2022, 14, 2498.	1.7	12
1703	Clinical and Metabolomic Effects of LactiplantibacillusÂplantarum and Pediococcus acidilactici in Fructose Intolerant Patients. Nutrients, 2022, 14, 2488.	1.7	4

#	Article	IF	Citations
1704	The emerging role of microbiota-derived short-chain fatty acids in immunometabolism. International Immunopharmacology, 2022, 110, 108983.	1.7	19
1705	Human Adult Microbiota in a Static Colon Model: AhR Transcriptional Activity at the Crossroads of Hostâ€"Microbe Interaction. Foods, 2022, 11, 1946.	1.9	9
1706	Obesity and Gut Microbiota. , 0, , .		1
1707	Potential Role of Gastrointestinal Microbiota in Growth Regulation of Yellowtail Kingfish Seriola lalandi in Different Stocking Densities. Fishes, 2022, 7, 154.	0.7	3
1708	Cross-Talk Between Gut Microbiota and Adipose Tissues in Obesity and Related Metabolic Diseases. Frontiers in Endocrinology, 0, 13, .	1.5	20
1709	Breastfeeding Affects Concentration of Faecal Short Chain Fatty Acids During the First Year of Life: Results of the Systematic Review and Meta-Analysis. Frontiers in Nutrition, 0, 9, .	1.6	11
1710	Probiotics: Protecting Our Health from the Gut. Microorganisms, 2022, 10, 1428.	1.6	20
1711	Prebiotic effects of plant-derived (poly)phenols on host metabolism: Is there a role for short-chain fatty acids?. Critical Reviews in Food Science and Nutrition, 2023, 63, 12285-12293.	5.4	2
1712	Tryptophan Supplementation Enhances Intestinal Health by Improving Gut Barrier Function, Alleviating Inflammation, and Modulating Intestinal Microbiome in Lipopolysaccharide-Challenged Piglets. Frontiers in Microbiology, 0, 13, .	1.5	11
1713	In Silico Genomic and Metabolic Atlas of Limosilactobacillus reuteri DSM 20016: An Insight into Human Health. Microorganisms, 2022, 10, 1341.	1.6	3
1714	Cranberry Arabino-Xyloglucan and Pectic Oligosaccharides Induce Lactobacillus Growth and Short-Chain Fatty Acid Production. Microorganisms, 2022, 10, 1346.	1.6	9
1715	Oligofructose restores postprandial shortâ€chain fatty acid levels during highâ€fat feeding. Obesity, 2022, 30, 1442-1452.	1.5	7
1717	Nutraceutical Properties of Unripe Banana Flour Resistant Starch: A Review. Starch/Staerke, 2023, 75, .	1.1	6
1718	Gut microbiota induces DNA methylation via SCFAs predisposing obesity-prone individuals to diabetes. Pharmacological Research, 2022, 182, 106355.	3.1	27
1719	Gut Microbiota Characteristics of People with Obesity by Meta-Analysis of Existing Datasets. Nutrients, 2022, 14, 2993.	1.7	22
1720	Butyrate to combat obesity and obesityâ€associated metabolic disorders: Current status and future implications for therapeutic use. Obesity Reviews, 2022, 23, .	3.1	36
1722	The beneficial role of healthy microbiome in metabolic syndrome and cardiovascular health. , 2022, , 109-124.		1
1723	The abundance of bifidobacterium in relation to visceral obesity and serum uric acid. Scientific Reports, 2022, 12, .	1.6	12

#	Article	IF	Citations
1724	Fecal Metabolome and Bacterial Composition in Severe Obesity: Impact of Diet and Bariatric Surgery. Gut Microbes, 2022, 14, .	4.3	13
1725	Alteration of the Gut Microbiome in Inflammatory Bowel Disease. Digestion, 2023, 104, 16-23.	1.2	18
1726	Nicotine Exposure during Rodent Pregnancy Alters the Composition of Maternal Gut Microbiota and Abundance of Maternal and Amniotic Short Chain Fatty Acids. Metabolites, 2022, 12, 735.	1.3	5
1727	Orlistat and ezetimibe could differently alleviate the high-fat diet-induced obesity phenotype by modulating the gut microbiota. Frontiers in Microbiology, 0, 13, .	1.5	12
1729	Probiotic Mechanisms Affecting Glucose Homeostasis: A Scoping Review. Life, 2022, 12, 1187.	1.1	5
1731	Gut microbiota: A new target for T2DM prevention and treatment. Frontiers in Endocrinology, 0, 13, .	1.5	29
1732	Different Intestinal Microbiota with Growth Stages of Three-Breed Hybrid Pig. BioMed Research International, 2022, 2022, 1-9.	0.9	2
1733	Bile acids, gut microbiota and metabolic surgery. Frontiers in Endocrinology, 0, 13, .	1.5	11
1734	Changes in the Gut Microbiome and Pathologies in Pregnancy. International Journal of Environmental Research and Public Health, 2022, 19, 9961.	1.2	25
1735	In-depth investigation of the hypoglycemic mechanism of Morchella importuna polysaccharide via metabonomics combined with 16S rRNA sequencing. International Journal of Biological Macromolecules, 2022, 220, 659-670.	3.6	14
1736	Inulin mitigates high fructose-induced gut dysbiosis and metabolic dysfunction in mice. Journal of Functional Foods, 2022, 97, 105236.	1.6	6
1737	Modulatory role of gut microbiota in cholesterol and glucose metabolism: Potential implications for atherosclerotic cardiovascular disease. Atherosclerosis, 2022, 359, 1-12.	0.4	8
1738	Short-chain fatty acid receptors and gut microbiota as therapeutic targets in metabolic, immune, and neurological diseases. , 2022, 239, 108273.		42
1739	The Link Between Gut Microbiota and Autoimmune Diseases. , 2022, , 33-68.		0
1740	The role of the intestinal microbiota in weight loss in overweight and obese humans. , 2022, , 125-135.		0
1741	Dietary influence on human microbiome. , 2022, , 59-80.		0
1742	Recent insights into the role of microbiome in the pathogenesis of obesity. Therapeutic Advances in Gastroenterology, 2022, 15, 175628482211153.	1.4	6
1743	The effect of resveratrol-mediated gut microbiota remodeling on metabolic disorders. , 2022, , 193-202.		0

#	Article	IF	Citations
1744	Intergenerational Transfer of Decabromodiphenyl Ethane and the Associated Long-Term Effects on the Gut Microbial Profile and Metabolic Homeostasis in SD Rats Offspring. SSRN Electronic Journal, 0, , .	0.4	0
1745	Obesity biomarkers, pathways, and risk factors. , 2023, , 237-261.		0
1746	Nutrient composition influences the gut microbiota in chronic thoracic spinal cord-injured rats. Physiological Genomics, 2022, 54, 402-415.	1.0	2
1747	Mitigating Diabetic Foot Ulcers: The Effect of Diet and Microbiome. , 0, , .		0
1748	Ketogenic Diet: A Dietary Intervention via Gut Microbiome Modulation for the Treatment of Neurological and Nutritional Disorders (a Narrative Review). Nutrients, 2022, 14, 3566.	1.7	24
1749	Gut Microbiota across Normal Gestation and Gestational Diabetes Mellitus: A Cohort Analysis. Metabolites, 2022, 12, 796.	1.3	7
1750	Gut Microbiome and Mycobiome Alterations in an In Vivo Model of Alzheimerâ€™s Disease. Genes, 2022, 13, 1564.	1.0	14
1751	Plant-Derived (Poly)phenols and Their Metabolic Outcomes: The Pursuit of a Role for the Gut Microbiota. Nutrients, 2022, 14, 3510.	1.7	8
1753	Beneficial Effects of Anti-Inflammatory Diet in Modulating Gut Microbiota and Controlling Obesity. Nutrients, 2022, 14, 3985.	1.7	17
1755	Food and Gut Microbiota-Derived Metabolites in Nonalcoholic Fatty Liver Disease. Foods, 2022, 11, 2703.	1.9	3
1756	Nicotinamide adenine dinucleotide supplementation drives gut microbiota variation in Alzheimerâ€™s mouse model. Frontiers in Aging Neuroscience, 0, 14, .	1.7	8
1757	Probiotic effects of Lacticaseibacillus rhamnosus 1155 and Limosilactobacillus fermentum 2644 on hyperuricemic rats. Frontiers in Nutrition, 0, 9, .	1.6	5
1758	Roles of gut microbiota and metabolites in overweight and obesity of children. Frontiers in Endocrinology, 0, 13, .	1.5	9
1759	Reduced gut microbiota diversity in patients with congenital generalized lipodystrophy. Diabetology and Metabolic Syndrome, 2022, 14, .	1.2	2
1760	Breastfeeding might partially contribute to gut microbiota construction and stabilization of propionate metabolism in cesarean-section infants. European Journal of Nutrition, 0, , .	1.8	0
1761	NMR-Based Metabolomics to Decipher the Molecular Mechanisms in the Action of Gut-Modulating Foods. Foods, 2022, 11, 2707.	1.9	3
1762	Gut Microbiota Interventions for the Management of Obesity: A Literature Review. Cureus, 2022, , .	0.2	2
1763	The Skin and Gut Microbiome in Hidradenitis Suppurativa: Current Understanding and Future Considerations for Research and Treatment. American Journal of Clinical Dermatology, 2022, 23, 841-852.	3.3	8

#	Article	IF	Citations
1764	Dynamics Changes of the Fecal Bacterial Community Fed Diets with Different Concentrate-to-Forage Ratios in Qinghai Yaks. Animals, 2022, 12, 2334.	1.0	1
1765	Sex hormones, intestinal inflammation, and the gut microbiome: Major influencers of the sexual dimorphisms in obesity. Frontiers in Immunology, 0, 13, .	2.2	16
1766	The gut microbiome and obstructive sleep apnea syndrome in children. Sleep Medicine, 2022, 100, 462-471.	0.8	4
1767	Lipidomics for Determining Giant Panda Responses in Serum and Feces Following Exposure to Different Amount of Bamboo Shoot Consumption: A First Step towards Lipidomic Atlas of Bamboo, Giant Panda Serum and Feces by Means of GC-MS and UHPLC-HRMS/MS. International Journal of Molecular Sciences, 2022, 23, 11544.	1.8	2
1768	Different gender-derived gut microbiota influence stroke outcomes by mitigating inflammation. Journal of Neuroinflammation, 2022, 19, .	3.1	15
1769	Intestinal imbalance in young people as a marker of chronic somatic diseases. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2022, , 153-159.	0.1	1
1770	Multi-omic phenotyping reveals host-microbe responses to bariatric surgery, glycaemic control and obesity. Communications Medicine, 2022, 2, .	1.9	2
1772	Combined Effects of Polystyrene Nanoplastics and Enrofloxacin on the Life Histories and Gut Microbiota of Daphnia magna. Water (Switzerland), 2022, 14, 3403.	1.2	3
1773	Research Progress on the Therapeutic Effect of Polysaccharides on Non-Alcoholic Fatty Liver Disease through the Regulation of the Gutâ€"Liver Axis. International Journal of Molecular Sciences, 2022, 23, 11710.	1.8	7
1774	Association of body mass index and intestinal (faecal) Streptococcus in adults in Xining city, China P.R.. Beneficial Microbes, 2022, 13, 465-471.	1.0	5
1775	Personalized nutrition, microbiota, and metabolism: A triad for eudaimonia. Frontiers in Molecular Biosciences, 0, 9, .	1.6	0
1776	D-galactose protects the intestine from ionizing radiation-induced injury by altering the gut microbiome. Journal of Radiation Research, 2022, 63, 805-816.	0.8	10
1777	Ultra-early weaning alters growth performance, hematology parameters, and fecal microbiota in piglets with same genetic background. Frontiers in Microbiology, 0, 13, .	1.5	2
1778	Intestinal microbiota and melatonin in the treatment of secondary injury and complications after spinal cord injury. Frontiers in Neuroscience, 0, 16, .	1.4	5
1779	Gutâ€"Liver Axis and Non-Alcoholic Fatty Liver Disease: A Vicious Circle of Dysfunctions Orchestrated by the Gut Microbiome. Biology, 2022, 11, 1622.	1.3	16
1780	Fiber-like Action of d-Fagomine on the Gut Microbiota and Body Weight of Healthy Rats. Nutrients, 2022, 14, 4656.	1.7	0
1781	Fecal Microbiota and Hair Glucocorticoid Concentration Show Associations with Growth during Early Life in a Pig Model. Nutrients, 2022, 14, 4639.	1.7	0
1782	Inactivation of the MSTN gene expression changes the composition and function of the gut microbiome in sheep. BMC Microbiology, 2022, 22, .	1.3	4

#	Article	IF	Citations
1783	Dietary organic acids ameliorate high stocking density stress-induced intestinal inflammation through the restoration of intestinal microbiota in broilers. Journal of Animal Science and Biotechnology, 2022, 13, .	2.1	6
1784	Associations of disordered eating with the intestinal microbiota and short-chain fatty acids among young adults with type 1 diabetes. Nutrition, Metabolism and Cardiovascular Diseases, 2023, 33, 388-398.	1.1	0
1785	Microbiota Dysbiosis and Gut Barrier Dysfunction Associated with Non-Alcoholic Fatty Liver Disease Are Modulated by a Specific Metabolic Cofactorsâ€™ Combination. International Journal of Molecular Sciences, 2022, 23, 13675.	1.8	7
1786	<i>Salvia miltiorrhiza</i> extract may exert an anti-obesity effect in rats with high-fat diet-induced obesity by modulating gut microbiome and lipid metabolism. World Journal of Gastroenterology, 0, 28, 6131-6156.	1.4	2
1787	Effect of Intermittent Fasting, Probiotic-Fermented Camel Milk, and Probiotic-Fermented Camel Milk Incorporating Sukkari Date on Diet-Induced Obesity in Rats. Fermentation, 2022, 8, 619.	1.4	5
1788	Insufficient or excessive dietary carbohydrates affect gut health through change in gut microbiota and regulation of gene expression of gut epithelial cells in grass carp (Ctenopharyngodon idella). Fish and Shellfish Immunology, 2023, 132, 108442.	1.6	8
1789	Use of antibiotics and risk of type 2 diabetes, overweight and obesity: the Cardiovascular Risk in Young Finns Study and the national FINRISK study. BMC Endocrine Disorders, 2022, 22, .	0.9	2
1790	Pathogenetic Role of the Intestinal Microflora in the Obesity Development. UkraÃ¯nsÊ¹kij Å¾urnal Medicini BÃ¬ologÃ¬Ã¯ Ta Sportu, 2022, 7, 41-48.	0.0	0
1792	Skeletal muscle insulin resistance and adipose tissue hypertrophy persist beyond the reshaping of gut microbiota in young rats fed a fructose-rich diet. Journal of Nutritional Biochemistry, 2023, 113, 109247.	1.9	2
1793	Scrophulariae Radix-Atractylodes sinensis pair and metformin inhibit inflammation by modulating gut microbiota of high-fat diet/streptozotocin-induced diabetes in rats. Frontiers in Microbiology, 0, 13, .	1.5	3
1794	Huoxue Jiangtang Decoction Alleviates Type 2 Diabetes Mellitus by Regulating the Oral Microbiota and Food Preferences. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 15, 3739-3751.	1.1	0
1795	Protective role of butyrate in obesity and diabetes: New insights. Frontiers in Nutrition, 0, 9, .	1.6	19
1796	Analysis of correlations between gut microbiota, stool short chain fatty acids, calprotectin and cardiometabolic risk factors in postmenopausal women with obesity: a cross-sectional study. Journal of Translational Medicine, 2022, 20, .	1.8	5
1797	Ruminococcaceae_UCG-013 Promotes Obesity Resistance in Mice. Biomedicines, 2022, 10, 3272.	1.4	9
1798	Fecal level of butyric acid, a microbiome-derived metabolite, is increased in patients with severe carotid atherosclerosis. Scientific Reports, 2022, 12, .	1.6	2
1799	The gut microbiome: a core regulator of metabolism. Journal of Endocrinology, 2023, 256, .	1.2	18
1800	Involvement of Intestinal Microbiota in Adult Neurogenesis and the Expression of Brain-Derived Neurotrophic Factor. International Journal of Molecular Sciences, 2022, 23, 15934.	1.8	5
1801	Plasma Concentrations of Short-Chain Fatty Acids in Active and Recovered Anorexia Nervosa. Nutrients, 2022, 14, 5247.	1.7	3

#	Article	IF	Citations
1802	Distinct factors associated with short-term and long-term weight loss induced by low-fat or low-carbohydrate diet intervention. Cell Reports Medicine, 2022, 3, 100870.	3.3	6
1803	Human Microbiome Mixture Analysis Using Weighted Quantile Sum Regression. International Journal of Environmental Research and Public Health, 2023, 20, 94.	1.2	8
1804	Interpreting tree ensemble machine learning models with endoR. PLoS Computational Biology, 2022, 18, e1010714.	1.5	1
1805	The association of phthalate metabolites with childhood waist circumference and abdominal obesity. European Journal of Pediatrics, 2023, 182, 803-812.	1.3	5
1806	Dietary Polyphenols in Relation to Gut Microbiota Composition in Saudi Arabian Females. Metabolites, 2023, 13, 6.	1.3	1
1807	Methionine-Restricted Diet: A Feasible Strategy Against Chronic or Aging-Related Diseases. Journal of Agricultural and Food Chemistry, 2023, 71, 5-19.	2.4	1
1808	Probiotic induced synthesis of microbiota polyamine as a nutraceutical for metabolic syndrome and obesity-related type 2 diabetes. Frontiers in Endocrinology, 0, 13, .	1.5	1
1809	Microbiome Dysbiosis: A Pathological Mechanism at the Intersection of Obesity and Glaucoma. International Journal of Molecular Sciences, 2023, 24, 1166.	1.8	9
1810	Analysis of Fecal Short-Chain Fatty Acids (SCFAs) in Healthy Children during the First Two Years of Life: An Observational Prospective Cohort Study. Nutrients, 2023, 15, 367.	1.7	8
1811	Obese dogs exhibit different fecal microbiome and specific microbial networks compared with normal weight dogs. Scientific Reports, 2023, 13, .	1.6	1
1812	Lorcaserin and phentermine exert anti-obesity effects with modulation of the gut microbiota. Frontiers in Microbiology, 0, 13, .	1.5	2
1813	MAFLD and Celiac Disease in Children. International Journal of Molecular Sciences, 2023, 24, 1764.	1.8	3
1814	Gut Microbial-Derived Short Chain Fatty Acids: Impact on Adipose Tissue Physiology. Nutrients, 2023, 15, 272.	1.7	9
1815	Bear bile powder ameliorates type 2 diabetes via modulation of metabolic profiles, gut microbiota, and metabolites. Frontiers in Pharmacology, 0, 13, .	1.6	5
1816	Multi-Omics Data Analysis for Inflammation Disease Research: Correlation Analysis, Causal Analysis and Network Analysis. Translational Bioinformatics, 2023, , 101-118.	0.0	0
1817	Dietary and phytogenic inclusion effects on the broiler chicken cecal ecosystem. Frontiers in Animal Science, 0, 3, .	0.8	0
1818	Fecal microbiota and inflammatory and antioxidant status of obese and lean dogs, and the effect of caloric restriction. Frontiers in Microbiology, 0, 13, .	1.5	2
1819	Prediction of high fecal propionate-to-butyrate ratios using 16S rRNA-based detection of bacterial groups with liquid array diagnostics. BioTechniques, 2023, 74, 9-21.	0.8	1

#	Article	IF	Citations
1820	Variation in the Early Life and Adult Intestinal Microbiome of Intra-Uterine Growth Restricted Rat Offspring Exposed to a High Fat and Fructose Diet. Nutrients, 2023, 15, 217.	1.7	1
1821	Bariatric Surgery as Treatment Strategy of Obesity in Saudi People: Effects of Gut Microbiota. Nutrients, 2023, 15, 361.	1.7	2
1822	Title: Obesogenic microbial signatures and the development of obesity in childhood acute lymphoblastic leukemia. Leukemia Research, 2023, 126, 107017.	0.4	0
1823	Lactobacillus pentosus MJM60383 Inhibits Lipid Accumulation in Caenorhabditis elegans Induced by Enterobacter cloacae and Glucose. International Journal of Molecular Sciences, 2023, 24, 280.	1.8	2
1824	Intestinal dysbiosis, obesity and metabolic syndrome: how to quit this tricky triangle?. Modern Gastroenterology, 2019, , 45-56.	0.1	0
1825	The therapeutic role of microbial metabolites in human health and diseases. , 2023, , 1-38.		1
1826	The regulatory effects of second-generation antipsychotics on lipid metabolism: Potential mechanisms mediated by the gut microbiota and therapeutic implications. Frontiers in Pharmacology, 0, 14, .	1.6	2
1827	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
1828	Plasma short-chain fatty acid changes after bariatric surgery in patients with severe obesity. Surgery for Obesity and Related Diseases, 2023, 19, 727-734.	1.0	5
1829	Polysaccharides from Artocarpus heterophyllus Lam. (jackfruit) pulp alleviate obesity by modulating gut microbiota in high fat diet-induced rats. Food Hydrocolloids, 2023, 139, 108521.	5.6	4
1830	Associations between Accelerometer-Measured Physical Activity and Fecal Microbiota in Adults with Overweight and Obesity. Medicine and Science in Sports and Exercise, 2023, 55, 680-689.	0.2	4
1831	Characterization of gut microbial and metabolite alterations in faeces of Goto Kakizaki rats using metagenomic and untargeted metabolomic approach. World Journal of Diabetes, 0, 14, 255-270.	1.3	1
1832	Randomized controlled trials reporting the effects of probiotics in individuals with overweight and obesity: A critical review of the interventions and body adiposity parameters. Clinical Nutrition, 2023, 42, 835-847.	2.3	3
1833	Alleviating effects and mechanisms of action of large-leaf yellow tea drinking on diabetes and diabetic nephropathy in mice. Food Science and Human Wellness, 2023, 12, 1660-1673.	2.2	7
1834	Evaluation of a Natural Phytogenic Formulation as an Alternative to Pharmaceutical Zinc Oxide in the Diet of Weaned Piglets. Animals, 2023, 13, 431.	1.0	3
1835	Multi-omics approaches for precision obesity management. Wiener Klinische Wochenschrift, 0, , .	1.0	1
1836	Associated long-term effects of decabromodiphenyl ethane on the gut microbial profiles and metabolic homeostasis in Sprague-Dawley rat offspring. Environment International, 2023, 172, 107802.	4.8	3
1837	Gut Micro- and Mycobiota in Preeclampsia: Bacterial Composition Differences Suggest Role in Pathophysiology. Biomolecules, 2023, 13, 346.	1.8	4

#	Article	IF	Citations
1838	Modulation of gut flore by dietary fibers from Pyrus bretschneideri Rehd.: Evaluation of fermentation characteristics using a colonic in vitro fermentation model. Journal of Functional Foods, 2023, 102, 105466.	1.6	0
1839	A Pilot Study: The Reduction in Fecal Acetate in Obese Patients after Probiotic Administration and Percutaneous Electrical Neurostimulation. Nutrients, 2023, 15, 1067.	1.7	2
1840	Diet Gut Microbiota Axis in Pregnancy: A Systematic Review of Recent Evidence. Current Nutrition Reports, 2023, 12, 203-214.	2.1	4
1841	The Gut-Prostate Axis: A New Perspective of Prostate Cancer Biology through the Gut Microbiome. Cancers, 2023, 15, 1375.	1.7	8
1842	Metabolic profiling of probiotic strain <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> L14 cultivated in presence of prebiotic oligosaccharides and polysaccharides in simulating in vitro gastrointestinal tract system. Biotechnology and Biotechnological Equipment, 2023, 37, 260-272.	0.5	0
1843	Gut microbiota facilitates adaptation of the plateau zokor (Myospalax baileyi) to the plateau living environment. Frontiers in Microbiology, 0, 14, .	1.5	0
1844	Mechanisms linking bariatric surgery to adipose tissue, glucose metabolism, fatty liver disease and gut microbiota. Langenbeck's Archives of Surgery, 2023, 408, .	0.8	5
1845	Butyrate and obesity: Current research status and future prospect. Frontiers in Endocrinology, 0, 14, .	1.5	5
1846	Emerging Relationship between the Gut Microbiome and Prostate Cancer. World Journal of Men?s Health, 2023, 41, 759.	1.7	7
1847	Fine-scale spatial variation shape fecal microbiome diversity and composition in black-tailed prairie dogs (Cynomys ludovicianus). BMC Microbiology, 2023, 23, .	1.3	1
1848	Dietary administration with hydrolyzed silk sericin improves the intestinal health of diabetic rats. Frontiers in Microbiology, 0, 14, .	1.5	1
1849	Proanthocyanidins: Impact on Gut Microbiota and Intestinal Action Mechanisms in the Prevention and Treatment of Metabolic Syndrome. International Journal of Molecular Sciences, 2023, 24, 5369.	1.8	7
1850	Prevalence of Small Intestinal Bacterial Overgrowth Syndrome in Patients with Non-Alcoholic Fatty Liver Disease/Non-Alcoholic Steatohepatitis: A Cross-Sectional Study. Microorganisms, 2023, 11, 723.	1.6	1
1851	Microbiota metabolites in the female reproductive system: Focused on the short-chain fatty acids. Heliyon, 2023, 9, e14562.	1.4	6
1853	Dysbiosis of gut microbiota due to diet, alcohol intake, body mass index, and gastrointestinal diseases in India. Applied Microbiology and Biotechnology, 2023, 107, 2547-2560.	1.7	0
1854	A Systematic Review on the Association between Obesity and Mood Disorders and the Role of Gut Microbiota. Metabolites, 2023, 13, 488.	1.3	2
1855	Characterization of the oral and gut microbiome in children with obesity aged 3 to 5 years. Frontiers in Cellular and Infection Microbiology, 0, 13, .	1.8	3
1856	The Crosstalk between Gut Microbiota and White Adipose Tissue Mitochondria in Obesity. Nutrients, 2023, 15, 1723.	1.7	7

#	Article	IF	Citations
1857	Select human milk oligosaccharide supplementation in postâ€weanling rats affects metabolism and gut microbiota into adulthood. Obesity, 2023, 31, 1362-1375.	1.5	1
1858	Schizophrenia and obesity: May the gut microbiota serve as a link for the pathogenesis?. , 2023, 2, .		2
1859	Gut Microbiota in Autophagy Regulation: New Therapeutic Perspective in Neurodegeneration. Life, 2023, 13, 957.	1.1	0
1860	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
1861	Short-chain fatty acids are associated with adiposity, energy and glucose homeostasis among different metabolic phenotypes in the Nutritionistsâ€™ Health Study. Endocrine, 2023, 80, 529-540.	1.1	0
1863	Health benefits of anthocyanin-containing foods, beverages, and supplements have unpredictable relation to gastrointestinal microbiota: A systematic review and meta-analysis of random clinical trials. Nutrition Research, 2023, 116, 48-59.	1.3	3
1864	Dietary Polyphenols, Microbiome, and Multiple Sclerosis: From Molecular Anti-Inflammatory and Neuroprotective Mechanisms to Clinical Evidence. International Journal of Molecular Sciences, 2023, 24, 7247.	1.8	9
1865	Effects of Forsythin Extract in <i>Forsythia</i> Leaves on Intestinal Microbiota and Short Chain Fatty Acids in Rats Fed a High-fat Diet. , 2023, , 1-18.		0
1866	Fermented Vegetables and Legumes vs. Lifestyle Diseases: Microbiota and More. Life, 2023, 13, 1044.	1.1	5
1869	Short-Chain Fatty Acidsâ€"A Product of the Microbiome and Its Participation in Two-Way Communication on the Microbiome-Host Mammal Line. Current Obesity Reports, 2023, 12, 108-126.	3.5	8
1891	The Emerging Role of Microbiome in Cardiovascular Diseases. , 2023, , 90-111.		0
1938	Gut Microbiome and Liver Diseases from the Perspective of 3PM: The Predictive, Preventive, and Personalized Medicine. Advances in Predictive, Preventive and Personalised Medicine, 2023, , 141-175.	0.6	0
1955	Role of Gut Microbiome Composition in Shaping Host Immune System Development and Health. , 2023, , 39-65.		0
1957	Role of Microbiomes in Defining the Metabolic and Regulatory Networks that Distinguishes Between Good Health and a Continuum of Disease States. , 2023, , 219-240.		0
1958	Influence of the Gut Microbiome on Cardiovascular Health and Hypertension. , 2023, , 335-359.		0
1961	Microbiome and pregnancy: focus on microbial dysbiosis coupled with maternal obesity. International Journal of Obesity, 0, , .	1.6	0
1965	Enzymatic Biosensing Platforms for Gut Diseases. , 2023, , 151-171.		0
1967	Gut Microbiota and Type 2 Diabetes Mellitus. Endocrinology, 2023, , 1-31.	0.1	0

#	Article	IF	Citations
1973	Correlating the Gut Microbiome to Health and Disease. , 2024, , 1-36.		0
1976	Gut Microbiota and Type 2 Diabetes Mellitus. Endocrinology, 2024, , 199-229.	0.1	0
1979	Effects of dietary fibre on metabolic health and obesity. Nature Reviews Gastroenterology and Hepatology, 0, , .	8.2	0
1983	Gut Microbes: The Gut Brain Connection. , 2023, , 33-59.		0