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Dietary Fiber-Induced Improvement in Glucose Metabolism Is Associated with Increased Abundance of Preve

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#	Paper	IF	Citations
1015	Effect of Young Barley Leaf Extract Powder on the Fecal Gut Microbiota and Cecal Short-Chain Fatty Acids in Rats. <b>2016</b> , 63, 510-515		
1014	[Gut microbiota, the key for a better diet?]. <b>2016</b> , 32, 999-1002		1
1013	Effect of Dietary Bioactive Compounds on Mitochondrial and Metabolic Flexibility. <b>2016</b> , 4,		31
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1011	Effects of different diets on intestinal microbiota and nonalcoholic fatty liver disease development. <b>2016</b> , 22, 7353-64		42
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1009	Metagenome-wide association studies: fine-mining the microbiome. <b>2016</b> , 14, 508-22		244
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819	Contribution of gut microbiota to metabolism of dietary glycine betaine in mice and in vitro colonic fermentation. <b>2019</b> , 7, 103	32

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817	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <b>2019</b> , 4, 1727-1736	100
816	The significance of microbiome in personalized medicine. <b>2019</b> , 8, 16	36
815	Alteration of the Gut Microbiota and Its Effect on AMPK/NADPH Oxidase Signaling Pathway in 2K1C Rats. <b>2019</b> , 2019, 8250619	4
814	Precision Nutrition and the Microbiome Part II: Potential Opportunities and Pathways to Commercialisation. <b>2019</b> , 11,	29
813	Gut microbiota phenotypes of obesity. <b>2019</b> , 5, 18	60
812	Purple Sweet Potato Polyphenols Differentially Influence the Microbial Composition Depending on the Fermentability of Dietary Fiber in a Mixed Culture of Swine Fecal Bacteria. <b>2019</b> , 11,	14
811	Study on the effect of wheat bran dietary fiber on the rheological properties of dough. <b>2019</b> , 2, 1-5	28
810	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. <b>2019</b> , 58, 65-73	6
809	The Prevotella copri Complex Comprises Four Distinct Clades Underrepresented in Westernized Populations. <b>2019</b> , 26, 666-679.e7	141
808	genus associated with visceral fat accumulation in adults 20-76 years of age. <b>2019</b> , 5, 28	113
807	Lactobacillus helveticus R0052 alleviates liver injury by modulating gut microbiome and metabolome in D-galactosamine-treated rats. <b>2019</b> , 103, 9673-9686	17
806	Nutrigenomics and personalized nutrition for the prevention of hyperglycemia and type 2 diabetes mellitus. <b>2019</b> , 339-352	1
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804	Japanese Diet Score Is Associated with Gut Microbiota Composition in Young Japanese Adults. <b>2019</b> , 65, 414-420	6
803	Combined Buckwheat d-Fagomine and Fish Omega-3 PUFAs Stabilize the Populations of Gut and While Reducing Weight Gain in Rats. <b>2019</b> , 11,	10
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784	Modification of wheat bran particle size and tissue composition affects colonisation and metabolism by human faecal microbiota. <b>2019</b> , 10, 379-396	16
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782	The unique composition of Indian gut microbiome, gene catalogue, and associated fecal metabolome deciphered using multi-omics approaches. <b>2019</b> , 8,	73
781	Comparison of hypoglycemic effects of ripened pu-erh tea and raw pu-erh tea in streptozotocin-induced diabetic rats <b>2019</b> , 9, 2967-2977	21
7 <sup>8</sup> 0	Improvements in physicochemical and emulsifying properties of insoluble soybean fiber by physical-chemical treatments. <b>2019</b> , 93, 167-175	39
779	Diet-Gut Microbiota Interactions and Gestational Diabetes Mellitus (GDM). <b>2019</b> , 11,	41
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734	Additional Effect of Dietary Fiber in Patients with Type 2 Diabetes Mellitus Using Metformin and Sulfonylurea: An Open-Label, Pilot Trial. <b>2019</b> , 43, 422-431	4
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718	Hypoglycemic effect of Hypericum attenuatum Choisy extracts on type 2 diabetes by regulating glucolipid metabolism and modulating gut microbiota. <b>2019</b> , 52, 479-491	21
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698	Gut microbiome and its role in obesity and insulin resistance. <b>2020</b> , 1461, 37-52	87
697	Microbial insight into dietary protein source affects intestinal function of pigs with intrauterine growth retardation. <b>2020</b> , 59, 327-344	16
696	Pelargonidin-3glucoside Derived from Wild Raspberry Exerts Antihyperglycemic Effect by Inducing Autophagy and Modulating Gut Microbiota. <b>2020</b> , 68, 13025-13037	38
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661	Discovery of Predictors of Vaccine Response Efficiency in Pigs: 16S rRNA Gene Fecal Microbiota Analysis. <b>2020</b> , 8,	7
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656	Sucrose Matters. The Need to Make Groups Truly Comparable When Assessing Changes Associated with Insulin Sensitivity. Comment on "Consumption of Cooked Black Beans Stimulates a Cluster of Some Clostridia Class Bacteria Decreasing Inflammatory Response and Improving Insulin	1
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651	Microbial signature in IgE-mediated food allergies. <b>2020</b> , 12, 92	18
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644	The Gut Microbiome in Neurodegenerative Disorders. <b>2020</b> ,	
643	Comparison of the effects of soluble corn fiber and fructooligosaccharides on metabolism, inflammation, and gut microbiome of high-fat diet-fed mice. <b>2020</b> , 319, E779-E791	12
642	The public health rationale for increasing dietary fibre: Health benefits with a focus on gut microbiota. <b>2020</b> , 45, 294-308	5
641	Infant gut microbiota characteristics generally do not modify effects of lipid-based nutrient supplementation on growth or inflammation: secondary analysis of a randomized controlled trial in Malawi. <b>2020</b> , 10, 14861	1
640	Gut microbiota modulation with long-chain corn bran arabinoxylan in adults with overweight and obesity is linked to an individualized temporal increase in fecal propionate. <b>2020</b> , 8, 118	30
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376	Chondroitin Sulfate Flourishes Gut Sulfatase-Secreting Bacteria To Damage Mucus Layers, Leak Bacterial Debris, And Trigger Inflammatory Lesions In Mice.	2
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272	Gut-Thyroid axis: How gut microbial dysbiosis associated with euthyroid thyroid cancer <b>2022</b> , 13, 2014-2028	2
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259	Relationships Between Diurnal Changes of Tongue Coating Microbiota and Intestinal Microbiota <b>2022</b> , 12, 813790	O
258	Comparison of Microbial Community and Metabolites in Four Stomach Compartments of Myostatin-Gene-Edited and Non-edited Cattle <b>2022</b> , 13, 844962	2
257	Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study <b>2022</b> , 8, 23	1
256	The effects of dietary fibers from rice bran and wheat bran on gut microbiota: An overview <b>2022</b> , 13, 100252	5
255	Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake <b>2022</b> , 9, 812469	1
254	Multi-Omics Analyses Characterize the Gut Microbiome and Metabolome Signatures of Soldiers Under Sustained Military Training <b>2022</b> , 13, 827071	1
253	Understanding the mechanism underlying the anti-diabetic effect of dietary component: a focus on gut microbiota <b>2022</b> , 1-21	1
252	The gut-liver axis: host microbiota interactions shape hepatocarcinogenesis 2022,	2
251	Physical activity enhances the improvement of body mass index and metabolism by inulin: a multicenter randomized placebo-controlled trial performed in obese individuals <b>2022</b> , 20, 110	1
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249	Socioeconomic disparities and household crowding in association with the fecal microbiome of school-age children <b>2022</b> , 8, 10	O
248	Analysis of gut microbiome profiles in common marmosets (Callithrix jacchus) in health and intestinal disease <b>2022</b> , 12, 4430	3
247	Elevated levels of salivary <code>\(\text{Hamylase}\) activity in saliva</code> associated with reduced odds of obesity in adult <code>Qatari</code> citizens: A cross-sectional study <b>2022</b> , 17, e0264692	
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244	Comprehensive analysis of Sparassis crispa polysaccharide characteristics during the in vitro digestion and fermentation model <b>2022</b> , 154, 111005	O
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242	Polysaccharides derived from Astragalus membranaceus and Glycyrrhiza uralensis improve growth performance of broilers by enhancing intestinal health and modulating gut microbiota <b>2022</b> , 101, 101905	2
241	Investigation of the Ecological Link between Recurrent Microbial Human Gut Communities and Physical Activity <b>2022</b> , e0042022	2
240	Gut microbial utilization of xylan and its implication in gut homeostasis and metabolic response <b>2022</b> , 286, 119271	2
239	Altered fecal microbiota, IgA, and fermentative end-products in adult dogs fed prebiotics and a nonviable Lactobacillus acidophilus <b>2021</b> , 99,	1
238	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 <b>2021</b> ,	1
237	The human symbiont Bacteroides thetaiotaomicron promotes diet-induced obesity by regulating host lipid metabolism <b>2022</b> , 60, 118-127	1
236	Toward Elucidating the Human Gut Microbiota-Brain Axis: Molecules, Biochemistry, and Implications for Health and Diseases <b>2021</b> ,	О
235	sp. nov., derived from human oropharyngeal abscess puncture fluid <b>2021</b> , 71,	1
234	Naturally Acquired Lactic Acid Bacteria from Fermented Cassava Improves Nutrient and Anti-dysbiosis Activity of Soy Tempeh. <b>2021</b> , 9, 1148-1155	
233	Gut microbiomes from Gambian infants reveal the development of a non-industrialized Prevotella-based trophic network <b>2021</b> ,	5
232	Lactoferrin modulates gut microbiota and Toll-like receptors (TLRs) in mice with dysbiosis induced by antibiotics <b>2022</b> ,	1
231	Nutrition and Microbiome 2022,	1
230	Physical and Dietary Intervention with (Nopal) in Women with Obesity Improves Health Condition through Gut Microbiota Adjustment <b>2022</b> , 14,	2
229	(20R)-Panaxadiol as a Natural Active Component with Anti-Obesity Effects on ob/ob Mice via Modulating the Gut Microbiota <b>2022</b> , 27,	O
228	Table1.DOCX. <b>2017</b> ,	
227	Table2.DOCX. <b>2017</b> ,	
226	Table3.DOCX. <b>2017</b> ,	



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188	Table_5.XLS. <b>2018</b> ,	
187	Data_Sheet_1.doc. <b>2020</b> ,	
186	Data_Sheet_2.xls. <b>2020</b> ,	
185	Data_Sheet_1.PDF. <b>2019</b> ,	
184	Table_1.DOCX. <b>2019</b> ,	
183	Table_2.DOCX. <b>2019</b> ,	
182	Table_3.DOCX. <b>2019</b> ,	
181	Table_4.DOCX. <b>2019</b> ,	
180	Table_5.DOCX. <b>2019</b> ,	
179	Data_Sheet_1.docx. <b>2018</b> ,	
178	DataSheet_1.xls. <b>2019</b> ,	
177	Communication between the gut microbiota and peripheral nervous system in health and chronic disease <b>2022</b> , 14, 2068365	O
176	Fecal microbiota transfer between young and aged mice reverses hallmarks of the aging gut, eye, and brain <b>2022</b> , 10, 68	8
175	Developmental Profiling of Dietary Carbohydrate Digestion in Piglets <b>2022</b> , 13, 896660	O
174	Cooked common bean flour, but not its protein hydrolysate, has the potential to improve gut microbiota composition and function in BALB/c mice fed a high-fat diet added with 6-propyl-2-thiouracil <b>2022</b> , 109022	О
173	Biotransformation of Barley Phenolamide by Mice and the Human Gut Microbiota and Quantitative Analysis of the Major Metabolites in Mice <b>2022</b> , e2200134	1
172	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber 2022, 10, 77	2
171	Resistant Maltodextrin Intake Reduces Virulent Metabolites in the Gut Environment: A Randomized Control Study in a Japanese Cohort. <b>2022</b> , 13,	O

170	Gut modulatory effects of flaxseed derived Maillard reaction products in Sprague-Dawley rats during sub-chronic toxicity <b>2022</b> , 165, 113115	1
169	Preparation of soybean dreg fiber solid emulsifier and its effect on the stability of Pickering emulsion. <b>2022</b> ,	
168	Distribution of Vaginal and Gut Microbiome in Advanced Maternal Age. <b>2022</b> , 12,	О
167	Whole-plant corn silage improves rumen fermentation and growth performance of beef cattle by altering rumen microbiota.	O
166	Ecological dynamics of the gut microbiome in response to dietary fiber.	1
165	Arabinoxylan from rice bran protects mice against high-fat diet-induced obesity and metabolic inflammation by modulating gut microbiota and short-chain fatty acids.	O
164	Dietary Cysteamine Supplementation Remarkably Increased Feed Efficiency and Shifted Rumen Fermentation toward Glucogenic Propionate Production via Enrichment of Prevotella in Feedlot Lambs. <b>2022</b> , 10, 1105	О
163	Comparative analysis of the gut microbiota composition between knee osteoarthritis and Kashin-Beck disease in Northwest China. <b>2022</b> , 24,	O
162	Prevotella species in the human gut is primarily comprised of Prevotella copri, Prevotella stercorea and related lineages. <b>2022</b> , 12,	2
161	Gut Microbiota and Antidiabetic Drugs: Perspectives of Personalized Treatment in Type 2 Diabetes Mellitus. <b>2022</b> , 12,	O
160	Obese Individuals With and Without Phlegm-Dampness Constitution Show Different Gut Microbial Composition Associated With Risk of Metabolic Disorders. <b>2022</b> , 12,	2
159	Assessing the influence of the Mediterranean diet on dental calculus microbiome composition: a pilot study.	
158	Multi-Omic Analyses Reveal Bifidogenic Effect and Metabolomic Shifts in Healthy Human Cohort Supplemented With a Prebiotic Dietary Fiber Blend. 9,	O
157	The early faecal microbiota transfer alters bile acid circulation and amino acid transport of the small intestine in piglets.	O
156	Targeting microbiota in dietary obesity management: a systematic review on randomized control trials in adults. 1-33	O
155	Longitudinal Effects of Growth Restriction on the Murine Gut Microbiome and Metabolome.	
154	Effects of Dietary Nutrients on Fatty Liver Disease Associated With Metabolic Dysfunction (MAFLD): Based on the Intestinal-Hepatic Axis. 9,	1
153	Effects of Inulin-Based Prebiotics Alone or in Combination with Probiotics on Human Gut Microbiota and Markers of Immune System: A Randomized, Double-Blind, Placebo-Controlled Study in Healthy Subjects. <b>2022</b> , 10, 1256	1

152	Effects of Different Roughage Diets on Fattening Performance, Meat Quality, Fatty Acid Composition, and Rumen Microbe in Steers. 9,	О
151	Colonic mucosal microbiota is associated with bowel habit subtype and abdominal pain in patients with irritable bowel syndrome.	1
150	Rethinking healthy eating in light of the gut microbiome. <b>2022</b> , 30, 764-785	7
149	Intestinal accumulation of microbiota-produced succinate caused by loss of microRNAs leads to diarrhea in weanling piglets. <b>2022</b> , 14,	2
148	Cannabis Extract Effects on Metabolic Parameters and Gut Microbiota Composition in a Mice Model of NAFLD and Obesity. <b>2022</b> , 2022, 1-13	
147	Impact of Geographical Location on the Gut Microbiota Profile in Egyptian Children with Type 1 Diabetes Mellitus: A Pilot Study. Volume 15, 6173-6187	O
146	Effects of the Lipid Profile, Type 2 Diabetes and Medication on the Metabolic SyndromeAssociated Gut Microbiome. <b>2022</b> , 23, 7509	0
145	Oral and gut dysbiosis leads to functional alterations in Parkinson disease. 2022, 8,	1
144	Better intestine health in fast-growing bullfrogs (Lithobates catesbeianus) fed a soybean meal-based diet than slow-growing bullfrogs.	
143	Effects of Oats, Tartary Buckwheat, and Foxtail Millet Supplementation on Lipid Metabolism, Oxido-Inflammatory Responses, Gut Microbiota, and Colonic SCFA Composition in High-Fat Diet Fed Rats. <b>2022</b> , 14, 2760	1
142	Starch and Fiber Contents of Purified Control Diets Differentially Affect Hepatic Lipid Homeostasis and Gut Microbiota Composition. 9,	O
141	Isolation, Identification, and Function of Rhodotorula mucilaginosa TZR2014 and Its Effects on the Growth and Health of Weaned Piglets. 13,	1
140	Lacticaseibacillus rhamnosus Fmb14 prevents purine induced hyperuricemia and alleviate renal fibrosis through gut-kidney axis. <b>2022</b> , 182, 106350	О
139	Long-term consumption of the sugar substitute sorbitol alters gut microbiome and induces glucose intolerance in mice. <b>2022</b> , 305, 120770	2
138	Conserved developmental trajectories of the cecal microbiota of broiler chickens in a field study.	О
137	The beneficial role of healthy microbiome in metabolic syndrome and cardiovascular health. <b>2022</b> , 109-124	
136	Effect of Methionine Supplementation on Serum Metabolism and the Rumen Bacterial Community of Sika Deer (Cervus nippon). <b>2022</b> , 12, 1950	1
135	Effect of a reduced fat and sugar maternal dietary intervention during lactation on the infant gut microbiome. 13,	O

134	Gastrointestinal Biogeography of Luminal Microbiota and Short-Chain Fatty Acids in Sika Deer (Cervus nippon).	0
133	Effect of Intensity and Duration of Exercise on Gut Microbiota in Humans: A Systematic Review. <b>2022</b> , 19, 9518	O
132	Probiotic Lactiplantibacillus plantarum Tana Isolated from an International Weightlifter Enhances Exercise Performance and Promotes Antifatigue Effects in Mice. <b>2022</b> , 14, 3308	1
131	Fine-scale spatial variation shape fecal microbiome diversity and composition in black- tailed prairie dogs (Cynomys ludovicianus).	
130	From the perspective of genomics and metabolomics, revealing the effects of feeding methods on Jersey cattle on the Qinghai-Tibet Plateau.	
129	Study on the Changes of Intestinal Microflora Structure in Long-Term Night Shift Nurses. <b>2022</b> , 2022, 1-6	
128	Influence of Lonicera japonica and Radix Puerariae Crude Extracts on the Fecal Microbiome and Nutrient Apparent Digestibility of Finishing Pigs. <b>2022</b> , 12, 2109	
127	Orally administered Odoribacter laneus improves glucose control and inflammatory profile in obese mice by depleting circulating succinate. <b>2022</b> , 10,	4
126	Alterations in Microbiota and Metabolites Related to Spontaneous Diabetes and Pre-Diabetes in Rhesus Macaques. <b>2022</b> , 13, 1513	
125	The Human Gut Microbiota and Glucose Metabolism: a Scoping Review of Key Bacteria and the Potential Role of Short Chain Fatty Acids.	1
124	Microbiota-assisted therapy for systemic inflammatory arthritis: advances and mechanistic insights. <b>2022</b> , 79,	O
123	Gut Microbiome Analysis Can Be Used as a Noninvasive Diagnostic Tool and Plays an Essential Role in the Onset of Membranous Nephropathy. 2201581	O
122	Gut microbiota: A new target for T2DM prevention and treatment. 13,	O
121	Metabologenomic Approach Reveals Intestinal Environmental Features Associated with Barley-Induced Glucose Tolerance Improvements in Japanese: A Randomized Controlled Trial. <b>2022</b> , 14, 3468	
120	Personalized microbiome-driven effects of non-nutritive sweeteners on human glucose tolerance. <b>2022</b> ,	7
119	Changes in the Gut Microbiome and Pathologies in Pregnancy. <b>2022</b> , 19, 9961	O
118	Association of Gut Microbiota Enterotypes with Blood Trace Elements in Women with Infertility. <b>2022</b> , 14, 3195	О
117	Physicochemical characteristics of Ganoderma lucidum oligosaccharide and its regulatory effect on intestinal flora in vitro fermentation. <b>2022</b> , 15, 100421	

116	Cultivation of gastrointestinal microbiota in a new growth system revealed dysbiosis and metabolic disruptions in carcinoma-bearing rats. 13,	О
115	Dynamics of microbial communities during inulin fermentation associated with the temporal response in SCFA production. <b>2022</b> , 298, 120057	O
114	Recent insights into the role of microbiome in the pathogenesis of obesity. <b>2022</b> , 15, 175628482211153	1
113	Prevotella merdae sp. nov., a new bacterial species isolated from human faeces. <b>2022</b> , 369,	1
112	Nutrient composition influences the gut microbiota in chronic thoracic spinal cord injured rats.	О
111	Positive effects of dietary fiber from sweet potato [Ipomoea batatas (L.) Lam.] peels by different extraction methods on human fecal microbiota in vitro fermentation. 9,	O
110	High throughput genome scale modeling predicts microbial vitamin requirements contribute to gut microbiome community structure. <b>2022</b> , 14,	0
109	Potential associations between alterations in gut microbiome and obesity-related traits after the bariatric surgery.	О
108	Fine-scale spatial variation shape fecal microbiome diversity and composition in black- tailed prairie dogs (Cynomys ludovicianus).	О
107	Diet-driven microbial ecology underpins associations between cancer immunotherapy outcomes and the gut microbiome.	5
106	Gender-related differences in the effects of Inonotus obliquus polysaccharide on intestinal microorganisms in SD rats model. 9,	0
105	Different oral and gut microbial profiles in those with Alzheimer's disease consuming anti-inflammatory diets. 9,	O
104	Parity modulates impact of BMI and Gestational Weight Gain on gut microbiota in human pregnancy.	0
103	Gut microbiota modulates differential lipid metabolism outcomes associated with FTO gene polymorphisms in response to personalized nutrition intervention. 9,	O
102	Replacing saturated fatty acids with polyunsaturated fatty acids increases the abundance of Lachnospiraceae and is associated with reduced total cholesterol levels randomized controlled trial in healthy individuals. <b>2022</b> , 21,	2
101	Microbiome-based interventions to modulate gut ecology and the immune system.	1
100	Modulating effect of Xuanfei Baidu granule on host metabolism and gut microbiome in rats. 13,	0
99	Wheat supplement with buckwheat affect gut microbiome composition and circulate short-chain fatty acids. 9,	О

98	The Enigma of Prevotella copri. <b>2022</b> , 64-68	О
97	Morchella esculenta mushroom polysaccharide attenuates diabetes and modulates intestinal permeability and gut microbiota in a type 2 diabetic mice model. 9,	1
96	In Vitro Digestion and Fecal Fermentation Behaviors of Polysaccharides from Ziziphus Jujuba cv. Pozao and its Interaction with Human Gut Microbiota. <b>2022</b> , 112022	1
95	Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.	O
94	The in vitro fermentation of compound oral liquid by human colonic microbiota altered the abundance of probiotics and short-chain fatty acid production. <b>2022</b> , 12, 30076-30084	0
93	Updates in the Role of Pre- and Probiotics in Health and Disease: Where Do We Stand Today?. 4-16	O
92	Gut Microbiota in Nutrition and Health with a Special Focus on Specific Bacterial Clusters. 2022, 11, 3091	1
91	Duodenal microbiota and weight-loss following sleeve gastrectomy and Roux-en-Y gastric bypass [] a pilot study.	O
90	A Clinical Outcome of the Anti-PD-1 Therapy of Melanoma in Polish Patients Is Mediated by Population-Specific Gut Microbiome Composition. <b>2022</b> , 14, 5369	O
89	3L, three-Lactobacilli on recovering of microbiome and immune-damage by cyclophosphamide chemotherapy.	Ο
88	Experimental Diets Dictate the Metabolic Benefits ofLactobacillusStrains in Obesity.	Ο
87	Enterotypes in asthenospermia patients with obesity. <b>2022</b> , 12,	Ο
86	Lacticaseibacillus rhamnosus HN001 alters the microbiota composition in the cecum but not the feces in a piglet model. 9,	О
85	Personalized nutrition, microbiota, and metabolism: A triad for eudaimonia. 9,	O
84	The Potential Impact of Age on Gut Microbiota in Patients with Major Depressive Disorder: A Secondary Analysis of the Prospective Observational Study. <b>2022</b> , 12, 1827	0
83	Bittersweet: artificial sweeteners and the gut microbiome.	O
82	Simulated digestion, dynamic changes during fecal fermentation and effects on gut microbiota of Avicennia marina (Forssk.) Vierh. fruit non-starch polysaccharides. <b>2022</b> , 16, 100475	0
81	Hypothalamic integrity is necessary for sustained weight loss after bariatric surgery: A prospective, cross-sectional study. <b>2023</b> , 138, 155341	O

80	Precise Nutrition and Metabolic Syndrome, Remodeling the Microbiome with Polyphenols, Probiotics, and Postbiotics. <b>2022</b> , 145-178	0
79	Fiber-like Action of d-Fagomine on the Gut Microbiota and Body Weight of Healthy Rats. <b>2022</b> , 14, 4656	О
78	Shotgun Metagenomics Study Suggests Alteration in Sulfur Metabolism and Oxidative Stress in Children with Autism and Improvement after Microbiota Transfer Therapy. <b>2022</b> , 23, 13481	О
77	BociobiomelHow do socioeconomic factors influence gut microbiota and enhance pathology susceptibility? - A mini-review. 1,	O
76	The Role of the Gut Microbiota in the Relationship Between Diet and Human Health. 2023, 85,	О
75	The associations of maternal and children gut microbiota with the development of atopic dermatitis for children aged 2 years. 13,	O
74	Interactions between Dietary Micronutrients, Composition of the Microbiome and Efficacy of Immunotherapy in Cancer Patients. <b>2022</b> , 14, 5577	O
73	IgA in human health and diseases: Potential regulator of commensal microbiota. 13,	1
72	Personalized Diets based on the Gut Microbiome as a Target for Health Maintenance: from Current Evidence to Future Possibilities. <b>2022</b> ,	1
71	Integrated multi-omics reveals novel microbe-host lipid metabolism and immune interactions in the donkey hindgut. 13,	O
7º	Structural, in vitro digestion, and fermentation characteristics of Lotus leaf flavonoids. 2022, 135007	О
69	Understanding interactions among diet, host and gut microbiota for personalized nutrition. <b>2023</b> , 312, 121265	1
68	Effects of boiling and steaming process on dietary fiber components and in vitro fermentation characteristics of 9 kinds of whole grains. <b>2023</b> , 164, 112328	1
67	Scrophulariae Radix-Atractylodes sinensis pair and metformin inhibit inflammation by modulating gut microbiota of high-fat diet/streptozotocin-induced diabetes in rats. 13,	O
66	Nourishing neonatal piglets with synthetic milk and Lactobacillus sp. at birth highly modifies the gut microbial communities at the post-weaning stage. 13,	О
65	Gut Microbiome Analysis for Personalized Nutrition: The State of Science. 2200476	O
64	Predicting Personalized Responses to Dietary Fiber Interventions: Opportunities for Modulation of the Gut Microbiome to Improve Health. <b>2023</b> , 14,	O
63	Glycated Proteins, Glycine, Acetate, and Monounsaturated Fatty Acids May Act as New Biomarkers to Predict the Progression of Type 2 Diabetes: Secondary Analyses of a Randomized Controlled Trial. <b>2022</b> , 14, 5165	O

62	Gut microbiome in PCOS associates to serum metabolomics: a cross-sectional study. 2022, 12,	1
61	Prevotella: A Key Player in Ruminal Metabolism. <b>2023</b> , 11, 1	1
60	High-risk genotypes for type 1 diabetes are associated with the imbalance of gut microbiome and serum metabolites. 13,	0
59	Gut Microbiome and Its Impact on Obesity and Obesity-Related Disorders.	2
58	Beneficial Effects of Limosilactobacillus fermentum in the DCA Experimental Model of Irritable Bowel Syndrome in Rats. <b>2023</b> , 15, 24	O
57	The gut microbiome: linking dietary fiber to inflammatory diseases. <b>2022</b> , 14, 100070	O
56	Integrative metagenomic and metabolomic analyses reveal gut microbiota-derived multiple hits connected to development of gestational diabetes mellitus in humans. <b>2023</b> , 15,	O
55	Analysis of the formation mechanism of volatile and non-volatile flavor substances in corn wine fermentation based on high-throughput sequencing and metabolomics. <b>2022</b> , 112350	1
54	Dietary fiber and SCFAs in the regulation of mucosal immunity. 2022,	0
53	Characterization and diagnostic value of the gut microbial composition in patients with minimal change disease. 13,	O
52	Machine learning framework for gut microbiome biomarkers discovery and modulation analysis in large-scale obese population. <b>2022</b> , 23,	1
51	Dental calculus microbiome correlates with dietary intake.	О
50	Differences in dietary patterns related to metabolic health by gut microbial enterotypes of Korean adults. 9,	0
49	Dietary supplement of mushrooms promotes SCFA production and moderately associates with IgA production: A pilot clinical study. 9,	O
48	Effect of urolithin A on the improvement of vascular endothelial function depends on the gut microbiota. 9,	0
47	Akkermansia deficiency and mucin depletion are implicated in intestinal barrier dysfunction as earlier event in the development of inflammation in interleukin-10-deficient mice. 13,	O
46	Gestational diabetes is driven by microbiota-induced inflammation months before diagnosis. gutjnl-2022-3	328406
45	3L, three-Lactobacilli on recovering of microbiome and immune-damage by cyclophosphamide chemotherapy A pilot experiment in rats []	O

44	Characterization of the Gut Microbiota in Urban Thai Individuals Reveals Enterotype-Specific Signature. <b>2023</b> , 11, 136	0
43	Phylogenetic analysis of Prevotella copri from fecal and mucosal microbiota of IBS and IBD patients. <b>2023</b> , 16, 175628482211363	O
42	3L, three-Lactobacilli on recovering of microbiome and immune-damage by cyclophosphamide chemotherapy $\Delta$ pilot experiment $\Box$	О
41	Gut Prevotellaceae-GABAergic septohippocampal pathway mediates spatial memory impairment in high-fat diet-fed ovariectomized mice. <b>2023</b> , 177, 105993	O
40	Improvements in gut microbiota dysbiosis in aged mice transplanted with adipose-derived stem cells.	О
39	Protective role of colitis in inflammatory arthritis via propionate-producing Bacteroides in the gut. 14,	O
38	Rosa roxburghii-edible fungi fermentation broth attenuates hyperglycemia, hyperlipidemia and affects gut microbiota in mice with type 2 diabetes. <b>2023</b> , 102432	0
37	Changes of gut microbiota and tricarboxylic acid metabolites may be helpful in early diagnosis of necrotizing enterocolitis: A pilot study. 14,	O
36	Dietary glutamate enhances intestinal immunity by modulating microbiota and Th17/Treg balance-related immune signaling in piglets after lipopolysaccharide challenge. <b>2023</b> , 166, 112597	О
35	Maternal Rumen Bacteriota Shapes the Offspring Rumen Bacteriota, Affecting the Development of Young Ruminants. <b>2023</b> , 11,	o
34	Mycotoxin deoxynivalenol-induced intestinal flora disorders, dysfunction and organ damage in broilers and pigs. <b>2023</b> , 451, 131172	0
33	Response of murine gut microbiota to a prebiotic based on oligosaccharides derived via hydrolysis of fungal Ң1-₿)-d-glucan: Preclinical trial study on mice. <b>2023</b> , 417, 135928	O
32	Dietary yeast cell wall enhanced intestinal health of broiler chickens by modulating intestinal integrity, immune responses, and microbiota. <b>2023</b> , 102, 102660	О
31	Early response of the gut microbiome and serum metabolites to Cheonggukjang intake in healthy Korean subjects. <b>2023</b> , 101, 105420	O
30	Serum metabolomics combined with 16S rRNA sequencing to reveal the effects of Lycium barbarum polysaccharide on host metabolism and gut microbiota. <b>2023</b> , 165, 112563	О
29	Designing healthier bread through the lens of the gut microbiota. <b>2023</b> , 134, 13-28	0
28	Seasonal Changes in the Structure and Function of Gut Microbiota in the Muskrat (Ondatra zibethicus). <b>2023</b> , 13, 248	0
27	Yeast Cell Wall Compounds on The Formation of Fermentation Products and Fecal Microbiota in Cats: An In Vivo and In Vitro Approach. <b>2023</b> , 13, 637	О

26	Microbiome Changes in Pregnancy Disorders. <b>2023</b> , 12, 463	O
25	Effects of polysaccharides from Lyophyllum decastes (Fr.) Singer on gut microbiota via in vitro-simulated digestion and fermentation. 14,	O
24	Soluble, Diferuloylated Corn Bran Glucuronoarabinoxylans Modulate the Human Gut Microbiota In Vitro. <b>2023</b> , 71, 3885-3897	О
23	Digestion profile, antioxidant, and antidiabetic capacity of Morchella esculenta exopolysaccharide: in vitro, in vivo and microbiota analysis.	O
22	Randomized controlled trial demonstrates response to a probiotic intervention for metabolic syndrome that may correspond to diet. <b>2023</b> , 15,	0
21	Different dietary fibers unequally remodel gut microbiota and charge up anti-obesity effects. <b>2023</b> , 140, 108617	O
20	Diet and high altitude strongly drive convergent adaptation of gut microbiota in wild macaques, humans, and dogs to high altitude environments. 14,	О
19	Dietary intake of recreational cyclists: a cross-sectional study.	О
18	Responses of the gastrointestinal microbiota to the protein metabolism of pond-cultured Japanese flounder (Paralichthys olivaceus). 10,	0
17	Fine-scale spatial variation shape fecal microbiome diversity and composition in black-tailed prairie dogs (Cynomys ludovicianus). <b>2023</b> , 23,	О
16	Comparative metagenomics reveals host-specific functional adaptation of intestinal microbiota across hominids.	О
15	Genomic analysis of cultivated infant microbiomes identifiesBifidobacterium2Ffucosyllactose utilization can be facilitated by co-existing species.	О
14	Cardiometabolic health, diet and the gut microbiome: a meta-omics perspective. 2023, 29, 551-561	О
13	Succinate metabolism and its regulation of host-microbe interactions. <b>2023</b> , 15,	O
12	Experimental diets dictate the metabolic benefits of probiotics in obesity. 2023, 15,	О
11	Associations between dysbiosis gut microbiota and changes of neurotransmitters and short-chain fatty acids in valproic acid model rats. 14,	O
10	Alteration of Community Metabolism by Prebiotics and Medicinal Herbs. 2023, 11, 868	Ο
9	Effects of Tiaopi Xiezhuo decoction on constipation and gut dysbiosis in patients with peritoneal dialysis. <b>2023</b> , 61, 531-540	O

8	Assessment of cecal microbiota modulation from piglet dietary supplementation with copper. <b>2023</b> , 23,	0
7	Understanding of the efficacy of gut microbiota-directed foods on human health. <b>2023</b> , 136, 92-99	0
6	The regulatory effects of Lonicera japonica flos on fecal microbiota from humans with type 2 diabetes in a SHIME model. <b>2023</b> , 100654	0
5	Effects of whole-grain cereals on fecal microbiota and short-chain fatty acids in dogs - A comparison of rye, oats and wheat.	O
4	Sodium butyrate supplementation impacts the gastrointestinal bacteria of dairy calves before weaning.	0
3	Effects of Simulated In Vitro Digestion on the Structural Characteristics, Inhibitory Activity on Eglucosidase, and Fermentation Behaviours of a Polysaccharide from Anemarrhena asphodeloides Bunge. <b>2023</b> , 15, 1965	O
2	Microbiome: Impact of sex on function and characteristics of gut microbiome. <b>2023</b> , 313-329	0
1	Relationship between Vitamin D status and microbiome changes in Bulgarian patients with type 2 diabetes mellitus. <b>2023</b> , 37,	O