

The role of short-chain fatty acids in the interplay between energy metabolism

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Gut-derived short-chain fatty acids are vividly assimilated into host carbohydrates and lipids. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G900-G910.	1.6	401
2	A Rosemary Extract Rich in Carnosic Acid Selectively Modulates Caecum Microbiota and Inhibits β -Glucosidase Activity, Altering Fiber and Short Chain Fatty Acids Fecal Excretion in Lean and Obese Female Rats. <i>PLoS ONE</i> , 2014, 9, e94687.	1.1	55
3	Gut microbiome of the Hadza hunter-gatherers. <i>Nature Communications</i> , 2014, 5, 3654.	5.8	1,067
4	Receptors for short-chain fatty acids in brush cells at the gastric groove. <i>Frontiers in Physiology</i> , 2014, 5, 152.	1.3	26
5	Animal-microbial symbioses in changing environments. <i>Journal of Thermal Biology</i> , 2014, 44, 78-84.	1.1	23
6	Recent developments and applications of metabolomics in microbiological investigations. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 56, 37-48.	5.8	68
7	Specialized Metabolites from the Microbiome in Health and Disease. <i>Cell Metabolism</i> , 2014, 20, 719-730.	7.2	454
8	Different oral sensitivities to and sensations of short-, medium-, and long-chain fatty acids in humans. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G381-G389.	1.6	34
9	Gut microbiota, the pharmabiotics they produce and host health. <i>Proceedings of the Nutrition Society</i> , 2014, 73, 477-489.	0.4	126
10	Whole Grains and Pulses: A Comparison of the Nutritional and Health Benefits. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7029-7049.	2.4	176
11	Molecular mechanisms for inhibition of colon cancer cells by combined epigenetic-modulating epigallocatechin gallate and sodium butyrate. <i>Experimental Cell Research</i> , 2014, 324, 40-53.	1.2	107
12	Mechanistic links between gut microbial community dynamics, microbial functions and metabolic health. <i>World Journal of Gastroenterology</i> , 2014, 20, 16498.	1.4	89
13	Towards microbial fermentation metabolites as markers for health benefits of prebiotics. <i>Nutrition Research Reviews</i> , 2015, 28, 42-66.	2.1	251
14	Dysbiosis of the gut microbiota in disease. <i>Microbial Ecology in Health and Disease</i> , 2015, 26, 26191.	3.8	949
15	Reevaluating the hype: four bacterial metabolites under scrutiny. <i>European Journal of Microbiology and Immunology</i> , 2015, 5, 1-13.	1.5	6
16	The role of polydextrose in body weight control and glucose regulation. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 395-400.	1.3	28
17	The effect of <i>Bacillus coagulans</i> -fermented and nonfermented <i>Ginkgo biloba</i> on the immunity status of broiler chickens ^{1,2} . <i>Journal of Animal Science</i> , 2015, 93, 3384-3394.	0.2	6
18	New-found link between microbiota and obesity. <i>World Journal of Gastrointestinal Pathophysiology</i> , 2015, 6, 110.	0.5	313

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19	Does Whole Grain Consumption Alter Gut Microbiota and Satiety?. Healthcare (Switzerland), 2015, 3, 364-392.	1.0	29
20	Gut Microbiota: A Modulator of Brain Plasticity and Cognitive Function in Ageing. Healthcare (Switzerland), 2015, 3, 898-916.	1.0	67
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39	The effects of fermented wheat powder (Lisosan G) on the blood lipids and oxidative status of healthy rabbits. <i>Food and Chemical Toxicology</i> , 2015, 84, 1-7.	1.8	12
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1357	How Microbial Food Fermentation Supports a Tolerant Gut. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2000036.	1.5	3
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1477	Intestinal Dysbiosis in Young Cystic Fibrosis Rabbits. <i>Journal of Personalized Medicine</i> , 2021, 11, 132.	1.1	6
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1506	A Postbiotic Consisting of Heat-Treated Lactobacilli Has a Bifidogenic Effect in Pure Culture and in Human Fermented Fecal Communities. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	17
1507	Impaired Intestinal Barrier and Tissue Bacteria: Pathomechanisms for Metabolic Diseases. <i>Frontiers in Endocrinology</i> , 2021, 12, 616506.	1.5	56
1508	Purging black soldier fly larvae (<i>Hermetia illucens</i>) compromises their nutritive value as a feedstuff. <i>International Journal of Tropical Insect Science</i> , 2021, 41, 3279-3286.	0.4	2
1509	Early probiotic supplementation with <i>B. infantis</i> in breastfed infants leads to persistent colonization at 1 year. <i>Pediatric Research</i> , 2022, 91, 627-636.	1.1	31
1510	CODY enables quantitatively spatiotemporal predictions on in vivo gut microbial variability induced by diet intervention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
1511	How Changes in the Nutritional Landscape Shape Gut Immunometabolism. <i>Nutrients</i> , 2021, 13, 823.	1.7	14
1512	Recent advances in the therapeutic application of short-chain fatty acids (SCFAs): An updated review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 6034-6054.	5.4	57
1513	Plant Prebiotics and Their Role in the Amelioration of Diseases. <i>Biomolecules</i> , 2021, 11, 440.	1.8	47
1514	The role of two-component regulatory systems in environmental sensing and virulence in <i>Salmonella</i> . <i>Critical Reviews in Microbiology</i> , 2021, 47, 397-434.	2.7	13
1515	The Kobe University Human Intestinal Microbiota Model for gut intervention studies. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2625-2632.	1.7	9
1516	Replacing dietary antibiotics with 0.20% γ -glutamine in swine nursery diets: impact on intestinal physiology and the microbiome following weaning and transport. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	5
1517	Microplastics affected black soldier fly (<i>Hermetia illucens</i>) pupation and short chain fatty acids. <i>Journal of Applied Entomology</i> , 2021, 145, 731-736.	0.8	17
1518	Health benefits of whole grain: effects on dietary carbohydrate quality, the gut microbiome, and consequences of processing. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 2742-2768.	5.9	71
1519	Gut microbiota composition associated with hepatic fibrosis in non-obese patients with non-alcoholic fatty liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021, 36, 2275-2284.	1.4	26
1520	Immune System, Microbiota, and Microbial Metabolites: The Unresolved Triad in Colorectal Cancer Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 612826.	2.2	70
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1524	Current innovations in nutraceuticals and functional foods for intervention of non-alcoholic fatty liver disease. <i>Pharmacological Research</i> , 2021, 166, 105517.	3.1	16
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1567	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> YB0411 Inhibits Adipogenesis in 3T3-L1 Pre-adipocytes and Reduces High-Fat-Diet-Induced Obesity in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6032-6042.	2.4	10
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1576	Recent advances in marine algae oligosaccharides: structure, analysis, and potential prebiotic activities. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7703-7717.	5.4	26
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1583	Erythritol Ameliorates Small Intestinal Inflammation Induced by High-Fat Diets and Improves Glucose Tolerance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5558.	1.8	23
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1606	The Link between Obesity, Microbiota Dysbiosis, and Neurodegenerative Pathogenesis. <i>Diseases (Basel)</i> , 2021, 9, 46.	1.0	46
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1610	Novel GPR43 Agonists Exert an Anti-Inflammatory Effect in a Colitis Model. <i>Biomolecules and Therapeutics</i> , 2021, , .	1.1	12
1611	Intestinal microbiota and its interaction to intestinal health in nursery pigs. <i>Animal Nutrition</i> , 2022, 8, 169-184.	2.1	49
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1624	Probiotics ameliorate alveolar bone loss by regulating gut microbiota. <i>Cell Proliferation</i> , 2021, 54, e13075.	2.4	30
1625	Antihyperglycemic and cholesterol-lowering potential of dietary fibre from lemongrass (<i>Cymbopogon</i>) Tj ETQqO 0 0 rgBT /Overlock 10 T	0.2	2
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1631	The Keystone commensal bacterium <i>Christensenella minuta</i> DSM 22607 displays anti-inflammatory properties both in vitro and in vivo. <i>Scientific Reports</i> , 2021, 11, 11494.	1.6	26
1632	Metabolome-Microbiome Responses of Growing Pigs Induced by Time-Restricted Feeding. <i>Frontiers in Veterinary Science</i> , 2021, 8, 681202.	0.9	12
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1639	Gut Microbiota: Critical Controller and Intervention Target in Brain Aging and Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 671142.	1.7	20
1640	Focus on gut microbiota in age-associated body changes. <i>Medical Alphabet</i> , 2021, , 44-51.	0.0	0
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1646	Faecal microbial metabolites of proteolytic and saccharolytic fermentation in relation to degree of insulin resistance in adult individuals. <i>Beneficial Microbes</i> , 2021, 12, 259-266.	1.0	4
1647	Unhealthy Lifestyle and Gut Dysbiosis: A Better Understanding of the Effects of Poor Diet and Nicotine on the Intestinal Microbiome. <i>Frontiers in Endocrinology</i> , 2021, 12, 667066.	1.5	82
1648	Use of Legumes and Yeast as Novel Dietary Protein Sources in Extruded Canine Diets. <i>Frontiers in Veterinary Science</i> , 2021, 8, 667642.	0.9	9
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1650	Dynamic metabolic modelling predicts efficient acetogenâ€“gut bacterium cocultures for COâ€“toâ€“butyrate conversion. <i>Journal of Applied Microbiology</i> , 2021, 131, 2899-2917.	1.4	2
1651	Shifts in gut microbiota and their metabolites induced by bariatric surgery. Impact of factors shaping gut microbiota on bariatric surgery outcomes. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2021, 22, 1137-1156.	2.6	17
1652	Polysaccharide Structures and Their Hypocholesterolemic Potential. <i>Molecules</i> , 2021, 26, 4559.	1.7	32
1653	Herbal Medicine, Gut Microbiota, and COVID-19. <i>Frontiers in Pharmacology</i> , 2021, 12, 646560.	1.6	15
1654	Metagenome-wide association study of gut microbiome revealed potential microbial marker set for diagnosis of pediatric myasthenia gravis. <i>BMC Medicine</i> , 2021, 19, 159.	2.3	27
1655	Impact of Sodium Butyrate Treatment in LPS-Stimulated Peripheral Blood Mononuclear Cells of Poorly Controlled Type 2 DM. <i>Frontiers in Endocrinology</i> , 2021, 12, 652942.	1.5	10

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1804	Effect of Short Chain Fatty Acids on Age-Related Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1260, 85-105.	0.8	17

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1944	Galactooligosaccharides and substrate and energy metabolism, dietary intake and body composition. <i>MaRBL</i> , 0, 6, .	0.0	0
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1948	METABOLIC PROFILE OF BIFIDOFLORES UNDER DIFFERENT MICROECO-LOGICAL CONDITIONS OF THE COLON BIOTOPE IN HUMAN. <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , 2017, 94, 3-11.	0.3	2
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1955	Effects of Oral Administration of Camel Milk and Urine on Gut Microbiota: Biochemical and Microbiological Profiling in Rats. <i>American Journal of Molecular Biology</i> , 2018, 08, 1-12.	0.1	2
1956	The Potential Of Gluten Free Flour Enriched With Resistant Starch Type 3 From <i>Canna Edulis</i> For The Management Profile Of Glucose, Lipids And Short Chain Fatty Acid In Healthy Mice. , 2018, , .		0
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2014	Role of the Gut Flora in Human Nutrition and Gut Health. , 2020, , 105-132.		0
2015	The Mucosally-Adherent Rectal Microbiota Contains Features Unique to Alcohol-Related Cirrhosis. <i>Gut Microbes</i> , 2021, 13, 1987781.	4.3	10
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2021	Physiological Functions of Kestose and Practical Approaches for Its Commercial Application. Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science, 2020, 73, 123-131.	0.2	0
2022	The Role of Microorganisms in Removal of Sulfates from Artistic Stonework. , 2020, , 103-135.		0
2024	Gut Microbes and Metabolites. Fascinating Life Sciences, 2020, , 109-118.	0.5	1
2025	Physiological concentrations of short-chain fatty acids induce the formation of neutrophil extracellular traps in vitro. International Journal of Immunopathology and Pharmacology, 2020, 34, 205873842095894.	1.0	16
2026	The Effect of Probiotic Intervention in Ameliorating the Altered Central Nervous System Functions in Neurological Disorders: A Review. Open Microbiology Journal, 2020, 14, 18-29.	0.2	4
2027	Necrotic enteritis in broiler chickens: disease characteristics and prevention using organic antibiotic alternatives â€“ a comprehensive review. Poultry Science, 2022, 101, 101590.	1.5	61
2028	Sex Differences in Cardiovascular Impact of Early Metabolic Impairment: Interplay between Dysbiosis and Adipose Inflammation. Molecular Pharmacology, 2022, 102, 60-79.	1.0	2
2029	A metaproteomic-based gut microbiota profiling in children affected by autism spectrum disorders. Journal of Proteomics, 2022, 251, 104407.	1.2	14
2030	Untargeted Gut Metabolomics to Delve the Interplay between Selenium Supplementation and Gut Microbiota. Journal of Proteome Research, 2022, 21, 758-767.	1.8	15
2031	The role of the host microbiome in autism and neurodegenerative disorders and effect of epigenetic procedures in the brain functions. Neuroscience and Biobehavioral Reviews, 2022, 132, 998-1009.	2.9	16
2032	Targeting DNA Methylation in the Adult Brain through Diet. Nutrients, 2021, 13, 3979.	1.7	25
2033	<i>Schizochytrium</i> Oil and Its Mixture with Fish Oil and Sacha inchi Oil Ameliorate Gut Microbiota Composition and Lipid Metabolism via the Fatty Acid Synthetase/3â€“hydroxyâ€“3â€“methyl Glutaryl Coenzyme A Reductase/Sterol Regulatory Element Binding Protein Signaling Pathway. European Journal of Lipid Science and Technology, 2022, 124, 2100108.	1.0	3
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2035	A Low to Medium-Shear Extruded Kibble with Greater Resistant Starch Increased Fecal Oligosaccharides, Butyric Acid, and Other Saccharolytic Fermentation By-Products in Dogs. Microorganisms, 2021, 9, 2293.	1.6	2
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2037	Development of the Korean Form of the Premonitory Urge for Tics Scale: A Reliability and Validity Study. SoaÅ•\$ceongso'nyeon Jeongsin Yihag, 2020, 31, 146-153.	0.3	3
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2042	The Biochemical Linkage between Gut Microbiota and Obesity: a Mini Review. Human Physiology, 2020, 46, 703-708.	0.1	0
2043	The Influence of the Gut Microbiota on Host Physiology: In Pursuit of Mechanisms. Yale Journal of Biology and Medicine, 2016, 89, 285-297.	0.2	44
2044	Role of gut microbiota in the pathogenesis of colorectal cancer; a review article. Gastroenterology and Hepatology From Bed To Bench, 2018, 11, 101-109.	0.6	76
2045	Importance of Nutrients and Nutrient Metabolism on Human Health. Yale Journal of Biology and Medicine, 2018, 91, 95-103.	0.2	34
2046	Treatment of Chronic Atopy and Irritable Bowel Syndrome in a 7-year-old: A Case Report. Integrative Medicine, 2017, 16, 48-52.	0.1	0
2047	The effect of saturated and unsaturated fatty acids on the production of outer membrane vesicles from and. Gastroenterology and Hepatology From Bed To Bench, 2019, 12, 155-162.	0.6	8
2048	Probiotic IS 10506 supplementation increase SCFA of women with functional constipation. Iranian Journal of Microbiology, 2019, 11, 389-396.	0.8	7
2049	The microbiome: an emerging key player in aging and longevity. Translational Medicine of Aging, 2020, 4, 103-116.	0.6	23
2050	Western lifestyle as a driver of dysbiosis in colorectal cancer. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	0
2051	<i>Lactobacillus plantarum</i> SHY130 isolated from yak yogurt attenuates hyperglycemia in C57BL/6J mice by regulating the enteroinsular axis. Food and Function, 2022, 13, 675-687.	2.1	17
2052	<i>Bacteroidota</i> and <i>Lachnospiraceae</i> integration into the gut microbiome at key time points in early life are linked to infant neurodevelopment. Gut Microbes, 2021, 13, 1997560.	4.3	39
2053	Gut microbes: Role in production of nutraceuticals. , 2022, , 273-299.		0
2054	Role of probiotics in the prevention and treatment of oral diseases. , 2022, , 251-264.		0
2055	Type 1 resistant starch: Nutritional properties and industry applications. Food Hydrocolloids, 2022, 125, 107369.	5.6	25
2056	Early life feeding accelerates gut microbiome maturation and suppresses acute postweaning stress in piglets. Environmental Microbiology, 2021, 23, 7201-7213.	1.8	36
2057	Development of Anti-inflammatory Probiotic <i>Limosilactobacillus reuteri</i> EFEL6901 as Kimchi Starter: in vitro and In vivo Evidence. Frontiers in Microbiology, 2021, 12, 760476.	1.5	11
2058	Impact of Exercise on Gut Microbiota in Obesity. Nutrients, 2021, 13, 3999.	1.7	31

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2060	Fatty acid metabolism and acyl-CoA synthetases in the liver-gut axis. <i>World Journal of Hepatology</i> , 2021, 13, 1512-1533.	0.8	12
2061	Resistant starch: Implications of dietary inclusion on gut health and growth in pigs: a review. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 124.	2.1	43
2062	Short-chain fatty acids promote jejunal barrier function and caecal muscle contractility in laying hens <i>in vivo</i> . <i>British Poultry Science</i> , 2022, 63, 406-413.	0.8	5
2063	Reconstruction of intestinal microecology of Type 2 diabetes by Fecal Microbiota Transplantation: Why and How. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021, , .	0.6	11
2064	A Mix of Dietary Fibres Changes Interorgan Nutrients Exchanges and Muscle-Adipose Energy Handling in Overfed Mini-Pigs. <i>Nutrients</i> , 2021, 13, 4202.	1.7	2
2065	Simultaneous quantification of eleven short-chain fatty acids by derivatization and solid phase microextraction - Gas chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1661, 462680.	1.8	17
2066	Dual role of microbiota-derived short-chain fatty acids on host and pathogen. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112352.	2.5	70
2067	Lactiplantibacillus plantarum ATG-K2 Exerts an Anti-Obesity Effect in High-Fat Diet-Induced Obese Mice by Modulating the Gut Microbiome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12665.	1.8	5
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2069	The Impact of Dysmetabolic Sarcopenia Among Insulin Sensitive Tissues: A Narrative Review. <i>Frontiers in Endocrinology</i> , 2021, 12, 716533.	1.5	27
2070	In Vivo Healthy Benefits of Galacto-Oligosaccharides from <i>Lupinus albus</i> (LA-GOS) in Butyrate Production through Intestinal Microbiota. <i>Biomolecules</i> , 2021, 11, 1658.	1.8	13
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2072	Gut Microbiota and Their Derived Metabolites, a Search for Potential Targets to Limit Accumulation of Protein-Bound Uremic Toxins in Chronic Kidney Disease. <i>Toxins</i> , 2021, 13, 809.	1.5	8
2073	A fiber-deprived diet causes cognitive impairment and hippocampal microglia-mediated synaptic loss through the gut microbiota and metabolites. <i>Microbiome</i> , 2021, 9, 223.	4.9	83
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2075	Overwintering honeybees maintained dynamic and stable intestinal bacteria. <i>Scientific Reports</i> , 2021, 11, 22233.	1.6	5
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2080	The Gut Microbiota and Immunopathophysiology. , 2021, , .		0
2081	Salmonella enterica serovar Typhimurium uses anaerobic respiration to overcome propionate-mediated colonization resistance. Cell Reports, 2022, 38, 110180.	2.9	32
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2083	In vitro digestion and colonic fermentation of an Alicante Bouschet (<i>Vitis vinifera</i> L.) skin extract. LWT - Food Science and Technology, 2022, 157, 113083.	2.5	5
2084	Effects of Dietary Cereal and Protein Source on Fiber Digestibility, Composition, and Metabolic Activity of the Intestinal Microbiota in Weaner Piglets. Animals, 2022, 12, 109.	1.0	8
2086	Assessment of the prebiotic potential and bioactive components of common edible mushrooms in India and formulation of synbiotic microcapsules. LWT - Food Science and Technology, 2022, 156, 113050.	2.5	16
2087	The mitigating role of probiotics against the adverse effects of suboptimal temperature in farmed fish: A review. Aquaculture, 2022, 550, 737877.	1.7	19
2088	Structure and fermentation characteristics of five polysaccharides sequentially extracted from sugar beet pulp by different methods. Food Hydrocolloids, 2022, 126, 107462.	5.6	52
2089	Formononetin reshapes the gut microbiota, prevents progression of obesity and improves host metabolism. Food and Function, 2021, 12, 12303-12324.	2.1	18
2090	Factors behind higher COVID-19 recovery and lower fatality rates in India - need for a focused study. , 2021, , .		0
2091	Gut Dysbiosis and Clostridioides difficile Infection in Neonates and Adults. Frontiers in Microbiology, 2021, 12, 651081.	1.5	14
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2093	Understanding the pathways leading to gut dysbiosis and enteric environmental dysfunction in infants: the influence of maternal dysbiosis and other microbiota determinants during early life. FEMS Microbiology Reviews, 2022, 46, .	3.9	4
2094	The control of poultry salmonellosis using organic agents: an updated overview. Poultry Science, 2022, 101, 101716.	1.5	47
2095	Differential Effects of Transition Metals on Growth and Metal Uptake for Two Distinct <i>Lactobacillus</i> Species. Microbiology Spectrum, 2022, 10, e0100621.	1.2	10

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2097	Genetic tools for the redirection of the central carbon flow towards the production of lactate in the human gut bacterium <i>Phocaeicola (Bacteroides) vulgatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1211-1225.	1.7	20
2098	Designer foods as an effective approach to enhance disease preventative properties of food through its health functionalities. , 2022, , 469-497.		2
2099	Recent advancements in prebiotic oligomers synthesis via enzymatic hydrolysis of lignocellulosic biomass. <i>Bioengineered</i> , 2022, 13, 2139-2172.	1.4	22
2100	Understanding the Effects of Antipsychotics on Appetite Control. <i>Frontiers in Nutrition</i> , 2021, 8, 815456.	1.6	17
2101	Colonic expression of calcium transporter TRPV6 is regulated by dietary sodium butyrate. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 293-302.	1.3	3
2102	Adult schistosomes have an epithelial bacterial population distinct from the surrounding mammalian host blood. <i>PLoS ONE</i> , 2022, 17, e0263188.	1.1	5
2104	Microbiome mediation of animal life histories <i>via</i> metabolites and insulin-like signalling. <i>Biological Reviews</i> , 2022, 97, 1118-1130.	4.7	10
2105	Intestinal Inflammation and Alterations in the Gut Microbiota in Cystic Fibrosis: A Review of the Current Evidence, Pathophysiology and Future Directions. <i>Journal of Clinical Medicine</i> , 2022, 11, 649.	1.0	20
2108	The influence of food processing methods on serum parameters, apparent total-tract macronutrient digestibility, fecal microbiota and SCFA content in adult beagles. <i>PLoS ONE</i> , 2022, 17, e0262284.	1.1	0
2109	The Role of Gut Microbiota and Metabolites in Obesity-Associated Chronic Gastrointestinal Disorders. <i>Nutrients</i> , 2022, 14, 624.	1.7	19
2110	Probiotic Characteristics of <i>Lactiplantibacillus Plantarum</i> N-1 and Its Cholesterol-Lowering Effect in Hypercholesterolemic Rats. <i>Probiotics and Antimicrobial Proteins</i> , 2022, 14, 337-348.	1.9	7
2111	Food-gut microbiota interactions. , 2022, , 233-256.		0
2112	Nicotinamide Riboside-Conditioned Microbiota Deflects High-Fat Diet-Induced Weight Gain in Mice. <i>MSystems</i> , 2022, 7, e0023021.	1.7	12
2113	Gut microbiome-immune system interaction in reptiles. <i>Journal of Applied Microbiology</i> , 2022, 132, 2558-2571.	1.4	11
2114	A comprehensive framework for early-onset colorectal cancer research. <i>Lancet Oncology</i> , The, 2022, 23, e116-e128.	5.1	49
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2118	Gut microbiota and physical exercise in obesity and diabetes – A systematic review. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2022, 32, 863-877.	1.1	14
2119	Exploring New Drug Targets for Type 2 Diabetes: Success, Challenges and Opportunities. <i>Biomedicines</i> , 2022, 10, 331.	1.4	17
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2121	Sodium butyrate reduces endoplasmic reticulum stress by modulating CHOP and empowers favorable anti-inflammatory adipose tissue immune-metabolism in HFD fed mice model of obesity. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100079.	0.9	10
2122	Efficacy of N-SORB, a proprietary KD120 MEC metabolically activated enzyme formulation in digestion. , 2022, , 311-325.		0
2123	Allium-Based Phytobiotic for Laying Hens' Supplementation: Effects on Productivity, Egg Quality, and Fecal Microbiota. <i>Microorganisms</i> , 2022, 10, 117.	1.6	3
2124	Effects of Herbal Tea Residue on Growth Performance, Meat Quality, Muscle Metabolome, and Rumen Microbiota Characteristics in Finishing Steers. <i>Frontiers in Microbiology</i> , 2021, 12, 821293.	1.5	10
2125	Tea Polyphenols: A Natural Antioxidant Regulates Gut Flora to Protect the Intestinal Mucosa and Prevent Chronic Diseases. <i>Antioxidants</i> , 2022, 11, 253.	2.2	18
2126	Polysaccharides from edible brown seaweed <i>Undaria pinnatifida</i> are effective against high-fat diet-induced obesity in mice through the modulation of intestinal microecology. <i>Food and Function</i> , 2022, 13, 2581-2593.	2.1	15
2127	Differences in gut microbiome by insulin sensitivity status in Black and White women of the National Growth and Health Study (NGHS): A pilot study. <i>PLoS ONE</i> , 2022, 17, e0259889.	1.1	5
2129	Sesquiterpene glycoside isolated from loquat leaf targets gut microbiota to prevent type 2 diabetes mellitus in db/db mice. <i>Food and Function</i> , 2022, 13, 1519-1534.	2.1	14
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2132	A Graph-Based Molecular Communications Model Analysis of the Human Gut Bacteriome. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 3567-3577.	3.9	5
2133	Oral Administration of Water Extract from <i>Euglena gracilis</i> Alters the Intestinal Microbiota and Prevents Lung Carcinoma Growth in Mice. <i>Nutrients</i> , 2022, 14, 678.	1.7	5
2134	The Potential Role of Gut Microbiota in Alzheimer's Disease: From Diagnosis to Treatment. <i>Nutrients</i> , 2022, 14, 668.	1.7	79
2135	Identification and validation of small molecule analytes in mouse plasma by liquid chromatography-tandem mass spectrometry: A case study of misidentification of a short-chain fatty acid with a ketone body. <i>Talanta</i> , 2022, 242, 123298.	2.9	1

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2137	Gastrointestinal Microbiota Dysbiosis Associated with SARS-CoV-2 Infection in Colorectal Cancer: The Implication of Probiotics. <i>Gastroenterology Insights</i> , 2022, 13, 35-59.	0.7	10
2138	COVID-19 and gut dysbiosis, understanding the role of probiotic supplements in reversing gut dysbiosis and immunity. <i>Nutrition Clinique Et Metabolisme</i> , 2022, 36, 153-161.	0.2	3
2139	Systematic Review of the Effects of Exercise and Physical Activity on the Gut Microbiome of Older Adults. <i>Nutrients</i> , 2022, 14, 674.	1.7	28
2140	Distinct microbiota composition and fermentation products indicate functional compartmentalization in the hindgut of a marine herbivorous fish. <i>Molecular Ecology</i> , 2022, 31, 2494-2509.	2.0	19
2141	An overview of the role of probiotics in pregnancy-associated pathologies with a special focus on preterm birth. <i>Journal of Reproductive Immunology</i> , 2022, 150, 103493.	0.8	7
2142	A Gas Chromatography Mass Spectrometry-Based Method for the Quantification of Short Chain Fatty Acids. <i>Metabolites</i> , 2022, 12, 170.	1.3	10
2143	The crewed journey to Mars and its implications for the human microbiome. <i>Microbiome</i> , 2022, 10, 26.	4.9	14
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2145	The links between gut microbiota and obesity and obesity related diseases. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112678.	2.5	86
2146	Emerging connections between gut microbiome bioenergetics and chronic metabolic diseases. <i>Cell Reports</i> , 2021, 37, 110087.	2.9	31
2147	Dietary fiber and probiotics influence the gut microbiome and melanoma immunotherapy response. <i>Science</i> , 2021, 374, 1632-1640.	6.0	369
2148	Dietary Quercetin Supplementation Attenuates Diarrhea and Intestinal Damage by Regulating Gut Microbiota in Weanling Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	38
2149	Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students. <i>Journal of the International Society of Sports Nutrition</i> , 2021, 18, 74.	1.7	12
2150	Factors influencing development of the infant microbiota: from prenatal period to early infancy. <i>Clinical and Experimental Pediatrics</i> , 2022, 65, 438-447.	0.9	9
2151	Intestinal Barrier and Permeability in Health, Obesity and NAFLD. <i>Biomedicines</i> , 2022, 10, 83.	1.4	71
2152	Research Progress of Physiological Function of Short-Chain Fatty Acids in the Intestine. <i>Advances in Clinical Medicine</i> , 2022, 12, 939-945.	0.0	0
2153	Effect of <i>Lycopus lucidus</i> Turcz. supplementation on gut microflora and short chain fatty acid composition in Crj: CD-1 mice. <i>Biocell</i> , 2022, 46, 1-9.	0.4	1

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2157	Preliminary Report on Intestinal Flora Disorder, Faecal Short-Chain Fatty Acid Level Decline and Intestinal Mucosal Tissue Weakening Caused by Litchi Extract to Induce Systemic Inflammation in HFA Mice. <i>Nutrients</i> , 2022, 14, 776.	1.7	2
2158	The Human Microbiome: An Acquired Organ?. <i>Resonance</i> , 2022, 27, 247-272.	0.2	3
2159	Differences in the Gut Microbiota Composition and Metabolites Associated With Feeding Intolerance in VLBW Infants With a Gestational Age of \geq 30 Weeks: A Pilot Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 726322.	1.8	5
2160	Malnutrition and Dietary Habits Alter the Immune System Which May Consequently Influence SARS-CoV-2 Virulence: A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2654.	1.8	18
2161	Enzymatic Preparation of Low-Molecular-Weight <i>Laminaria japonica</i> Polysaccharides and Evaluation of Its Effect on Modulating Intestinal Microbiota in High-Fat-Diet-Fed Mice. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 820892.	2.0	7
2162	Role of Dietary Supplements and Probiotics in Modulating Microbiota and Bone Health: The Gut-Bone Axis. <i>Cells</i> , 2022, 11, 743.	1.8	36
2163	The role of key gut microbial metabolites in the development and treatment of cancer. <i>Gut Microbes</i> , 2022, 14, 2038865.	4.3	35
2164	Effect of Dietary <i>Bacillus licheniformis</i> Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks. <i>Frontiers in Veterinary Science</i> , 2022, 9, 832141.	0.9	1
2165	Effects of COVID-19 protective face masks and wearing durations on respiratory haemodynamic physiology and exhaled breath constituents. <i>European Respiratory Journal</i> , 2022, 60, 2200009.	3.1	34
2166	Gut Microbiome in Non-Alcoholic Fatty Liver Disease: From Mechanisms to Therapeutic Role. <i>Biomedicines</i> , 2022, 10, 550.	1.4	16
2167	From the Dish to the Real World: Modeling Interactions between the Gut and Microorganisms in Gut Organoids by Tailoring the Gut Milieu. <i>International Journal of Stem Cells</i> , 2022, 15, 70-84.	0.8	7
2168	The improvement of parturition duration by high intake of dietary fibre in late gestation is associated with gut microbiota and metabolome in sows. <i>British Journal of Nutrition</i> , 2022, 128, 2341-2352.	1.2	3
2170	Structural and functional intestinal barrier abnormalities and chronic kidney disease. Literature review. Part I. <i>Nephrology (Saint-Petersburg)</i> , 2022, 26, 10-26.	0.1	7
2171	Weight Loss and Short-Chain Fatty Acids Reduce Systemic Inflammation in Monocytes and Adipose Tissue Macrophages from Obese Subjects. <i>Nutrients</i> , 2022, 14, 765.	1.7	26
2172	<i>Albica bracteata</i> Polysaccharides Attenuate AOM/DSS Induced Colon Tumorigenesis via Regulating Oxidative Stress, Inflammation and Gut Microbiota in Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 833077.	1.6	17
2173	Changes to Gut Microbiota Following Systemic Antibiotic Administration in Infants. <i>Antibiotics</i> , 2022, 11, 470.	1.5	11
2174	Psychobiotics in diet: significance and applications of neuroactive and psychoactive microbial metabolites. <i>Nutrition Reviews</i> , 2022, , .	2.6	2

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2175	In Vitro Gut Fermentation of Whey Protein Hydrolysate: An Evaluation of Its Potential Modulation on Infant Gut Microbiome. <i>Nutrients</i> , 2022, 14, 1374.	1.7	10
2176	Perspective: Utilizing High Amylose Wheat Flour to Increase Dietary Fiber Intake of Children and Adolescents: A Health by Stealth Approach. <i>Frontiers in Public Health</i> , 2022, 10, 817967.	1.3	6
2177	Comparison of Microbial Community and Metabolites in Four Stomach Compartments of Myostatin-Gene-Edited and Non-edited Cattle. <i>Frontiers in Microbiology</i> , 2022, 13, 844962.	1.5	5
2178	Characterization of metabolites and biomarkers for the probiotic effects of <i>Clostridium cochlearium</i> on high-fat diet-induced obese C57BL/6 mice. <i>European Journal of Nutrition</i> , 2022, 61, 2217-2229.	1.8	2
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2434	Acetate, a metabolic product of <i>Heligmosomoides polygyrus</i> , facilitates intestinal epithelial barrier breakdown in a FFAR2-dependent manner. <i>International Journal for Parasitology</i> , 2022, 52, 591-601.	1.3	3
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2471	Effects of Fermented Milk Containing <i>Bifidobacterium animalis</i> Subsp. <i>lactis</i> MN-Gup (MN-Gup) and MN-Gup-Based Synbiotics on Obesity Induced by High Fat Diet in Rats. <i>Nutrients</i> , 2022, 14, 2631.	1.7	2
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2534	The prebiotic and anti-fatigue effects of hyaluronan. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
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2559	Role of gut microbe-derived metabolites in cardiometabolic diseases: Systems based approach. <i>Molecular Metabolism</i> , 2022, 64, 101557.	3.0	7
2560	Psoriasis: Interplay between dysbiosis and host immune system. <i>Autoimmunity Reviews</i> , 2022, 21, 103169.	2.5	15
2561	Pectin supplementation ameliorates intestinal epithelial barrier function damage by modulating intestinal microbiota in lipopolysaccharide-challenged piglets. <i>Journal of Nutritional Biochemistry</i> , 2022, 109, 109107.	1.9	14
2562	Prebiotics modify host metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>) fed with a total plant-based diet: Potential implications for microbiome-mediated diet optimization. <i>Aquaculture</i> , 2022, 561, 738699.	1.7	11

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2564	The Burden of Carbohydrates in Health and Disease. <i>Nutrients</i> , 2022, 14, 3809.	1.7	29
2565	SARS-CoV-2-associated gut microbiome alteration; A new contributor to colorectal cancer pathogenesis. <i>Pathology Research and Practice</i> , 2022, 239, 154131.	1.0	7
2566	Effect of Hesperidin Supplementation on Liver Metabolomics and Gut Microbiota in a High-Fat Diet-Induced NAFLD Mice Model. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 11224-11235.	2.4	19
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2570	Bioactive lipids: Chemistry, biochemistry, and biological properties. , 2023, , 1-35.		0
2571	Polysaccharide extract from <i>Rosa laevigata</i> fruit attenuates inflammatory obesity by targeting redox balance and gut interface in high-fat diet-fed rats. <i>Food Science and Human Wellness</i> , 2023, 12, 442-453.	2.2	6
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2573	Saccharide Sweet (SS) Principles, Classification and Structural and Functional Details of SS Sweeteners and Plants. , 2022, , 113-223.		0
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2578	Microplastic toxicity and the gut microbiome. , 2022, , 345-358.		1
2579	Les lipides bactériens dans la douleur viscérale intestinale. <i>Douleur Et Analgesie</i> , 2022, 35, 127-136.	0.2	0
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