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**Review article: the role of butyrate on colonic function**

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1635	Comparative effects of level of dietary fiber and sanitary conditions on the growth and health of weanling pigs. <b>2012</b> , 90, 2556-69	22
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1633	Enzymatic strategies for solvent-free production of short and medium chain phytosteryl esters. <b>2012</b> , 114, 670-676	8
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1630	Impact of polydextrose on the faecal microbiota: a double-blind, crossover, placebo-controlled feeding study in healthy human subjects. <b>2012</b> , 108, 471-81		80
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1627	Oral supplementation of butyrate reduces mucositis and intestinal permeability associated with 5-Fluorouracil administration. <b>2012</b> , 47, 669-78		88
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1625	Protective effect of <i>Clostridium tyrobutyricum</i> in acute dextran sodium sulphate-induced colitis: differential regulation of tumour necrosis factor- $\alpha$ and interleukin-18 in BALB/c and severe combined immunodeficiency mice. <b>2012</b> , 167, 356-65		34
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1623	Diversity and distribution of sulphate-reducing bacteria in human faeces from healthy subjects and patients with inflammatory bowel disease. <b>2012</b> , 65, 55-68		46
1622	In vitro fermentation of 12 dietary fibres by faecal inoculum from pigs and humans. <b>2012</b> , 133, 889-897		107
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1619	Intestinal barrier function in health and gastrointestinal disease. <b>2012</b> , 24, 503-12		401
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1616	A representative of the dominant human colonic Firmicutes, <i>Roseburia faecis</i> M72/1, forms a novel bacteriocin-like substance. <b>2013</b> , 23, 5-8		20
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1614	The gut microbiota and obesity: from correlation to causality. <b>2013</b> , 11, 639-47		478

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1610	A gene-targeted approach to investigate the intestinal butyrate-producing bacterial community. <b>2013</b> , 1, 8	94
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1603	Dysbiosis of bifidobacteria and Clostridium cluster XIVa in the cystic fibrosis fecal microbiota. <b>2013</b> , 12, 206-15	82
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1600	Human gut microbiome and risk for colorectal cancer. <b>2013</b> , 105, 1907-11	541
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1555	Short-chain fatty acids inhibit growth hormone and prolactin gene transcription via cAMP/PKA/CREB signaling pathway in dairy cow anterior pituitary cells. <b>2013</b> , 14, 21474-88	19
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1551	Induction of porcine host defense peptide gene expression by short-chain fatty acids and their analogs. <b>2013</b> , 8, e72922	81
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1252	Anti-inflammatory effects of the hydroxycarboxylic acid receptor 2. <b>2016</b> , 65, 102-13	80
1251	Obesity: An overview of possible role(s) of gut hormones, lipid sensing and gut microbiota. <b>2016</b> , 65, 48-65	101
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1249	A search for synbiotics: effects of enzymatically modified arabinoxylan and <i>Butyrivibrio fibrisolvens</i> on short-chain fatty acids in the cecum content and plasma of rats. <b>2016</b> , 7, 1839-48	11
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1246	Butyrate production from high-fiber diet protects against lymphoma tumor. <b>2016</b> , 57, 2401-8	43
1245	Milk Oligosaccharide Variation in Sow Milk and Milk Oligosaccharide Fermentation in Piglet Intestine. <b>2016</b> , 64, 2087-93	19
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1239	Anaerobic Fermentation for Production of Carboxylic Acids as Bulk Chemicals from Renewable Biomass. <b>2016</b> , 156, 323-361	18
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1237	Sodium butyrate and its synthetic amide derivative modulate nociceptive behaviors in mice. <b>2016</b> , 103, 279-91	45
1236	Arabinoxylans, gut microbiota and immunity. <b>2016</b> , 139, 159-66	99

1235	Induction of regulatory T cells: A role for probiotics and prebiotics to suppress autoimmunity. <b>2016</b> , 15, 379-92	84
1234	Effect of butyrate enemas on gene expression profiles and endoscopic/histopathological scores of diverted colorectal mucosa: A randomized trial. <b>2016</b> , 48, 27-33	55
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1228	Diets enriched with cranberry beans alter the microbiota and mitigate colitis severity and associated inflammation. <b>2016</b> , 28, 129-39	69
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1224	Systemic administration of a nanoemulsion with tributyrin reduces inflammation in experimental colitis. <b>2016</b> , 118, 157-164	0
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1221	Dietary fatty acids specifically modulate phospholipid pattern in colon cells with distinct differentiation capacities. <b>2017</b> , 56, 1493-1508	7
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1216	Gut microbiota, diet, and obesity-related disorders-The good, the bad, and the future challenges. <b>2017</b> , 61, 1600252	106
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1208	Role of Neurochemicals in the Interaction between the Microbiota and the Immune and the Nervous System of the Host Organism. <b>2017</b> , 9, 215-234	29
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1202	Role of short-chain fatty acids in colonic inflammation, carcinogenesis, and mucosal protection and healing. <b>2017</b> , 75, 286-305	156
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1200	Consuming fermented distillers' dried grains with solubles (DDGS) feed reveals a shift in the faecal microbiota of growing and fattening pigs using 454 pyrosequencing. <b>2017</b> , 16, 900-910	18

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1198	Inulin with different degrees of polymerization modulates composition of intestinal microbiota in mice. <b>2017</b> , 364,	41
1197	Secretion metabolites of dairy <i>Kluyveromyces marxianus</i> AS41 isolated as probiotic, induces apoptosis in different human cancer cell lines and exhibit anti-pathogenic effects. <b>2017</b> , 34, 408-421	32
1196	Effects of dietary physical or nutritional factors on morphology of rumen papillae and transcriptome changes in lactating dairy cows based on three different forage-based diets. <b>2017</b> , 18, 353	28
1195	Butyrate reduces high-fat diet-induced metabolic alterations, hepatic steatosis and pancreatic beta cell and intestinal barrier dysfunctions in prediabetic mice. <b>2017</b> , 242, 1214-1226	74
1194	Gut Microbiome Function Predicts Response to Anti-integrin Biologic Therapy in Inflammatory Bowel Diseases. <b>2017</b> , 21, 603-610.e3	187
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1178	Dietary advice provided to those undergoing pelvic radiotherapy. <b>2017</b> , 16, 119-132	3
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1175	Fermentation of Dietetic Fiber from Green Bean and Prickly Pear Shell by Pure and Mixture Culture of Lactobacillus acidophilus LA-5 and Bifidobacterium bifidum 450B. <b>2017</b> , 74, 691-701	3
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1159	Butyrate-producing bacteria supplemented in vitro to Crohn's disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. <b>2017</b> , 7, 11450	203
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1153	Response of Ross 308 and 708 broiler strains in growth performance and lipid metabolism to diets containing tributyrates glycerides. <b>2017</b> ,	2
1152	Intervention of probiotic <i>L. reuteri</i> fermented milk as an adjuvant to combat protein energy malnourishment induced gut disturbances in albino mice. <b>2017</b> , 36, 467-479	7
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1128	Analysis of $\beta$ -glucan molar mass from barley malt and brewer's spent grain with asymmetric flow field-flow fractionation (AF4) and their association to proteins. <b>2017</b> , 157, 541-549	31



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1087	Dietary feeding of freeze-dried whole cranberry inhibits intestinal tumor development in mice. <b>2017</b> , 8, 97787-97800	13
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1062	The nasal microbiome mirrors and potentially shapes olfactory function. <b>2018</b> , 8, 1296	44
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1058	In vitro digestion by saliva, simulated gastric and small intestinal juices and fermentation by human fecal microbiota of sulfated polysaccharides from <i>Gracilaria rubra</i> . <b>2018</b> , 40, 18-27	78
1057	Selenium nanoparticles in poultry feed modify gut microbiota and increase abundance of <i>Faecalibacterium prausnitzii</i> . <b>2018</b> , 102, 1455-1466	58
1056	Sodium butyrate modulates adipocyte expansion, adipogenesis, and insulin receptor signaling by upregulation of PPAR- $\gamma$ in obese Apo E knockout mice. <b>2018</b> , 47, 75-82	18

1055	Simulated Digestion and Fermentation in Vitro by Human Gut Microbiota of Polysaccharides from Bee Collected Pollen of Chinese Wolfberry. <b>2018</b> , 66, 898-907	76
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1051	Dysbiosis of gut microbiota and microbial metabolites in Parkinson's Disease. <b>2018</b> , 45, 53-61	130
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1048	Plant sterols and human gut microbiota relationship: An in vitro colonic fermentation study. <b>2018</b> , 44, 322-329	13
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1045	Role of vitamin D on gut microbiota in cystic fibrosis. <b>2018</b> , 175, 82-87	27
1044	Roles of Probiotic Lactobacilli Inclusion in Helping Piglets Establish Healthy Intestinal Inter-environment for Pathogen Defense. <b>2018</b> , 10, 243-250	30
1043	Determinants of Reduced Genetic Capacity for Butyrate Synthesis by the Gut Microbiome in Crohn's Disease and Ulcerative Colitis. <b>2018</b> , 12, 204-216	52
1042	Enteral feeding with low-methoxyl pectin accelerates colonic anastomosis healing in rats. <b>2018</b> , 45, 94-98	4
1041	Implications of butyrate and its derivatives for gut health and animal production. <b>2018</b> , 4, 151-159	158
1040	Biochemical Features of Beneficial Microbes: Foundations for Therapeutic Microbiology. <b>2017</b> , 5,	43
1039	Isolation, purification and physicochemical properties of polysaccharide from fruiting body of <i>Hericium erinaceus</i> and its effect on colonic health of mice. <b>2018</b> , 107, 1310-1319	38
1038	Probiotics and antibiotic-associated diarrhea in children: A review and new evidence on <i>Lactobacillus rhamnosus</i> GG during and after antibiotic treatment. <b>2018</b> , 128, 63-72	71

1037	The Role of Gut Microbiome in the Pathogenesis of Prostate Cancer: A Prospective, Pilot Study. <b>2018</b> , 111, 122-128	81
1036	Dietary components that counteract the increased risk of colorectal cancer related to red meat consumption. <b>2018</b> , 69, 536-548	14
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1034	Dietary stachyose altered the intestinal microbiota profile and improved the intestinal mucosal barrier function of juvenile turbot, <i>Scophthalmus maximus</i> L.. <b>2018</b> , 486, 98-106	46
1033	Specific substrate-driven changes in human faecal microbiota composition contrast with functional redundancy in short-chain fatty acid production. <b>2018</b> , 12, 610-622	98
1032	Sodium butyrate enhances intestinal integrity, inhibits mast cell activation, inflammatory mediator production and JNK signaling pathway in weaned pigs. <b>2018</b> , 24, 40-46	37
1031	Summary of the 2017 Alcohol and Immunology Research Interest Group (AIRIG) meeting. <b>2018</b> , 69, 51-56	1
1030	Connection Between Fiber, Colonic Microbiota, and Health Across the Human Life Cycle. <b>2018</b> , 67-93	1
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1026	Effects of xylo-oligosaccharide and flavomycin on the immune function of broiler chickens. <b>2018</b> , 6, e4435	20
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1023	Butyrate Producers as Potential Next-Generation Probiotics: Safety Assessment of the Administration of to Healthy Volunteers. <b>2018</b> , 3,	45
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1018	Qualitative modelling of the interplay of inflammatory status and butyrate in the human gut: a hypotheses about robust bi-stability. <b>2018</b> , 12, 144	4
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1015	Perspective and Directions for Future Research. <b>2018</b> , 429-437	
1014	The Dynamic Changes of Gut Microbiota in Deficient Mice. <b>2018</b> , 19,	52
1013	The role of adjuvant probiotics to attenuate intestinal inflammatory responses due to cancer treatments. <b>2018</b> , 9, 899-916	9
1012	Fermentation of Selected Prebiotics and Their Effects on the Composition and Activity of the Adult Gut Microbiota. <b>2018</b> , 19,	86
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1005	Differential effects of dietary fibres on colonic barrier function in elderly individuals with gastrointestinal symptoms. <b>2018</b> , 8, 13404	16
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1003	Biochemical Features of Beneficial Microbes: Foundations for Therapeutic Microbiology. <b>2018</b> , 1-47	
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844	Alterations of the Gut Microbiome in Chronic Hepatitis B Virus Infection Associated with Alanine Aminotransferase Level. <b>2019</b> , 8,	14
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693	Gut microbiota and aging-A focus on centenarians. <b>2020</b> , 1866, 165765	17
692	Bacillus coagulans SANK 70258 suppresses Enterobacteriaceae in the microbiota of ulcerative colitis in vitro and enhances butyrogenesis in healthy microbiota. <b>2020</b> , 104, 3859-3867	4
691	Tributylin differentially regulates inflammatory markers and modulates goblet cells number along the intestinal tract segments of weaning pigs. <b>2020</b> , 234, 103996	3
690	Changes in Microbiota Profiles After Prolonged Frozen Storage of Stool Suspensions. <b>2020</b> , 10, 77	10
689	Effects of Dietary Starch Structure on Growth Performance, Serum Glucose-Insulin Response, and Intestinal Health in Weaned Piglets. <b>2020</b> , 10,	6
688	The gut microbiome in Parkinson's disease: A culprit or a bystander?. <b>2020</b> , 252, 357-450	27
687	Time-restricted feeding is associated with changes in human gut microbiota related to nutrient intake. <b>2020</b> , 78, 110797	12
686	Study on chemopreventive effects of raw and roasted $\beta$ glucan-rich waxy winter barley using an in vitro human colon digestion model. <b>2020</b> , 11, 2626-2638	12
685	Reproductive tract development and histomorphometric analysis of testes in neonatal Zaraibi kids raised on milk replacer supplemented with sodium butyrate. <b>2020</b> , 104, 812-822	3
684	Encapsulation of tributyrin with whey protein isolate (WPI) by spray-drying with a three-fluid nozzle. <b>2020</b> , 281, 109992	6
683	Sodium butyrate as an effective feed additive to improve growth performance and gastrointestinal development in broilers. <b>2020</b> , 6, 491-499	7
682	The link "Cancer and autoimmune diseases" in the light of microbiota: Evidence of a potential culprit. <b>2020</b> , 222, 12-28	8
681	Butyrate mitigates TNF- $\alpha$ -induced attachment of monocytes to endothelial cells. <b>2020</b> , 52, 247-256	7
680	The Use of Microbial Accessible and Fermentable Carbohydrates and/or Butyrate as Supportive Treatment for Patients With Coronavirus SARS-CoV-2 Infection. <b>2020</b> , 7, 292	10
679	Oat Bran Increased Fecal Butyrate and Prevented Gastrointestinal Symptoms in Patients With Quiescent Ulcerative Colitis Randomized Controlled Trial. <b>2020</b> , 2,	1
678	Short-chain fatty acids production by Bifidobacterium species in the presence of salep. <b>2020</b> , 47, 29-35	23

677	Small Intestinal Bacterial Overgrowth and Irritable Bowel Syndrome - An Update. <b>2020</b> , 11, 664	29
676	Transport characteristics of 5-aminosalicylic acid into colonic epithelium: Involvement of sodium-coupled monocarboxylate transporter SMCT1-mediated transport system. <b>2020</b> , 524, 561-566	3
675	Surface components and metabolites of probiotics for regulation of intestinal epithelial barrier. <b>2020</b> , 19, 23	80
674	Supplementation with <i>Chlorella vulgaris</i> , <i>Chlorella protothecoides</i> , and <i>Schizochytrium</i> sp. increases propionate-producing bacteria in in vitro human gut fermentation. <b>2020</b> , 100, 2938-2945	11
673	Acute Sleep-Wake Cycle Shift Results in Community Alteration of Human Gut Microbiome. <b>2020</b> , 5,	19
672	A diet based on cured acorn-fed ham with oleic acid content promotes anti-inflammatory gut microbiota and prevents ulcerative colitis in an animal model. <b>2020</b> , 19, 28	11
671	Routine disaccharidase testing: are we there yet?. <b>2020</b> , 36, 101-109	1
670	Muscadine grapes ( <i>Vitis rotundifolia</i> ) and dealcoholized muscadine wine alleviated symptoms of colitis and protected against dysbiosis in mice exposed to dextran sulfate sodium. <b>2020</b> , 65, 103746	10
669	Gastrointestinal toxicity during induction treatment for childhood acute lymphoblastic leukemia: The impact of the gut microbiota. <b>2020</b> , 147, 1953-1962	15
668	From role of gut microbiota to microbial-based therapies in type 2-diabetes. <b>2020</b> , 81, 104268	36
667	Methyltransferase like 3 promotes colorectal cancer proliferation by stabilizing CCNE1 mRNA in an m6A-dependent manner. <b>2020</b> , 24, 3521-3533	38
666	Effect of tributyrin supplementation in high-soya bean meal diet on growth performance, body composition, intestine morphology and microbiota of juvenile yellow drum ( <i>Nibea albiflora</i> ). <b>2020</b> , 51, 2004-2019	14
665	Diet, Gut Microbiota and Non-Alcoholic Fatty Liver Disease: Three Parts of the Same Axis. <b>2020</b> , 9,	29
664	Temporal Gut Microbial Changes Predict Recurrent <i>Clostridiodes Difficile</i> Infection in Patients With and Without Ulcerative Colitis. <b>2020</b> , 26, 1748-1758	8
663	Pistachio Consumption Alleviates Inflammation and Improves Gut Microbiota Composition in Mice Fed a High-Fat Diet. <b>2020</b> , 21,	35
662	Skin <i>Cutibacterium acnes</i> Mediates Fermentation to Suppress the Calcium Phosphate-Induced Itching: A Butyric Acid Derivative with Potential for Uremic Pruritus. <b>2020</b> , 9,	10
661	From Acidifiers to Intestinal Health Enhancers: How Organic Acids Can Improve Growth Efficiency of Pigs. <b>2020</b> , 10,	32
660	Prebiotics metabolism by gut-isolated probiotics. <b>2020</b> , 57, 2786-2799	8

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658	Microbiota modulation and effects on metabolic biomarkers by orange juice: a controlled clinical trial. <b>2020</b> , 11, 1599-1610	19
657	Dietary supplementation of micro-encapsulated sodium butyrate in healthy horses: effect on gut histology and immunohistochemistry parameters. <b>2020</b> , 16, 121	2
656	Gut microbiota and metabolic syndrome. <b>2020</b> , 133, 808-816	35
655	Improvement of non-specific immunity, growth, and activity of digestive enzymes in <i>Carassius auratus</i> as a result of apple cider vinegar administration to diet. <b>2020</b> , 46, 1387-1395	8
654	Reductions in anti-inflammatory gut bacteria are associated with depression in a sample of young adults. <b>2020</b> , 88, 308-324	45
653	Structure of the Mucosal and Stool Microbiome in Lynch Syndrome. <b>2020</b> , 27, 585-600.e4	20
652	Weaning Alters Intestinal Gene Expression Involved in Nutrient Metabolism by Shaping Gut Microbiota in Pigs. <b>2020</b> , 11, 694	14
651	Microbial Medicine: Prebiotic and Probiotic Functional Foods to Target Obesity and Metabolic Syndrome. <b>2020</b> , 21,	50
650	<i>Lactobacillus plantarum</i> NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation. <b>2020</b> , 104, 5273-5282	25
649	Mechanisms of Action of Prebiotics and Their Effects on Gastro-Intestinal Disorders in Adults. <b>2020</b> , 12,	48
648	Effects of oral butyrate and inulin supplementation on inflammation-induced pyroptosis pathway in type 2 diabetes: A randomized, double-blind, placebo-controlled trial. <b>2020</b> , 131, 155101	18
647	Multi-omic profiling reveals associations between the gut mucosal microbiome, the metabolome, and host DNA methylation associated gene expression in patients with colorectal cancer. <b>2020</b> , 20, 83	11
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642	Chemopreventive effects of raw and roasted oat flakes after fermentation with human faecal microbiota. <b>2021</b> , 72, 57-69	5

641	Monitoring peppermint washout in the breath metabolome by secondary electrospray ionization-high resolution mass spectrometry. <b>2020</b> ,	5
640	Human microbiome and prostate cancer development: current insights into the prevention and treatment. <b>2021</b> , 15, 11-32	7
639	Research progression of blood and fecal metabolites in colorectal cancer. <b>2021</b> , 3, 51	4
638	Microbiota-immune system interactions and enteric virus infection. <b>2021</b> , 46, 15-19	2
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635	Hydrogen Sulfide Oxidation by Sulfide Quinone Oxidoreductase. <b>2021</b> , 22, 949-960	15
634	Primary human colonic mucosal barrier crosstalk with super oxygen-sensitive in continuous culture. <b>2021</b> , 2, 74-98.e9	25
633	Different effects of probiotics and antibiotics on the composition of microbiota, SCFAs concentrations and FFAR2/3 mRNA expression in broiler chickens. <b>2021</b> , 131, 913-924	1
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631	Mucosa-Associated Microbiota in Patients with Irritable Bowel Syndrome: A Comparison of Subtypes. <b>2021</b> , 102, 49-56	4
630	Metabolomic Analysis in Inflammatory Bowel Disease: A Systematic Review. <b>2021</b> , 15, 813-826	18
629	A Perspective Of Intestinal Immune-Microbiome Interactions In Alcohol-Associated Liver Disease. <b>2021</b> , 17, 307-327	3
628	Encapsulating tributyrin during enzymatic cyclodextrin synthesis improves the solubility and bioavailability of tributyrin. <b>2021</b> , 113, 106512	2
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626	Rumen-bypassed tributyrin alleviates heat stress by reducing the inflammatory responses of immune cells. <b>2021</b> , 100, 348-356	1
625	Benefits of bacteria-derived exopolysaccharides on gastrointestinal microbiota, immunity and health. <b>2021</b> , 76, 104289	15
624	Impact of processing degree on fermentation profile and chemopreventive effects of oat and waxy barley in LT97 colon adenoma cells. <b>2021</b> , 247, 569-578	1

623	Narrative review on potential role of gut microbiota in certain substance addiction. <b>2021</b> , 106, 110093	5
622	Changes in fecal short-chain fatty acids following fecal microbiota transplantation in patients with irritable bowel syndrome. <b>2021</b> , 33, e13983	14
621	Long-lasting microbial dysbiosis and altered enteric neurotransmitters in adult rats following adolescent binge ethanol exposure. <b>2021</b> , 26, e12869	2
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618	Gut microbiome profile in psoriatic patients treated and untreated with biologic therapy. <b>2021</b> , 48, 786-793	5
617	Next-Generation Probiotics. <b>2021</b> , 45-79	
616	Drug Disposition in the Lower Gastrointestinal Tract: Targeting and Monitoring. <b>2021</b> , 13,	7
615	Integrative analysis of microbiome and metabolome in rats with Gest-Aid Plus Oral Liquid supplementation reveals mechanism of its healthcare function. <b>2021</b> , 5,	1
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613	Personalized nutrition for colorectal cancer. <b>2021</b> , 151, 109-136	0
612	Carbohydrates effects on nutrition and health functions in pigs. <b>2021</b> , 92, e13557	
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609	Early Life Events With Microbiota Mediated Effects on Brain Functions. <b>2021</b> , 39-39	
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607	Depletion of gut secretory immunoglobulin A coated is associated with gestational diabetes mellitus-related intestinal mucosal barrier damage. <b>2021</b> , 12, 10783-10794	1
606	Alhagi honey polysaccharides attenuate intestinal injury and immune suppression in cyclophosphamide-induced mice. <b>2021</b> , 12, 6863-6877	7

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604	Intestinal Inflammation as a Dysbiosis of Energy Procurement: New Insights into an Old Topic. <b>2021</b> , 13, 1-20	7
603	Cell wall permeability of pinto bean cotyledon cells regulate fecal fermentation and gut microbiota. <b>2021</b> , 12, 6070-6082	3
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598	Role of HCA in Regulating Intestinal Homeostasis and Suppressing Colon Carcinogenesis. <b>2021</b> , 12, 606384	3
597	Functional and taxonomic comparison of mouse and human gut microbiotas using extensive culturing and metagenomics.	2
596	Antidepressants fluoxetine and amitriptyline induce alterations in intestinal microbiota and gut microbiome function in rats exposed to chronic unpredictable mild stress. <b>2021</b> , 11, 131	13
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593	Escalating dose-multiple binge methamphetamine treatment elicits neurotoxicity, altering gut microbiota and fecal metabolites in mice. <b>2021</b> , 148, 111946	11
592	A gene co-association network regulating gut microbial communities in a Duroc pig population. <b>2021</b> , 9, 52	6
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587	Impact of early-life feeding on local intestinal microbiota and digestive system development in piglets. <b>2021</b> , 11, 4213	8
586	The Development of Early Life Microbiota in Human Health and Disease. <b>2021</b> ,	
585	Effects of dietary <i>Macleaya cordata</i> extract inclusion on transcriptomes and inflammatory response in the lower gut of early weaned goats. <b>2021</b> , 272, 114792	5
584	Inhibitory effect of sodium butyrate on colorectal cancer cells and construction of the related molecular network. <b>2021</b> , 21, 127	6
583	Metabolic regulation mechanism of fucoidan via intestinal microecology in diseases. <b>2021</b> , 101, 4456-4463	4
582	Synergistic effects of dietary sodium butyrate and <i>Spirulina platensis</i> on growth performance, carcass composition, blood health, and intestinal histomorphology of Nile tilapia ( <i>Oreochromis niloticus</i> ). <b>2021</b> , 19, 100637	2
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574	Microbial Metabolites in Colorectal Cancer: Basic and Clinical Implications. <b>2021</b> , 11,	12
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563	Health benefits of whole grain: effects on dietary carbohydrate quality, the gut microbiome, and consequences of processing. <b>2021</b> , 20, 2742-2768	16
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529	Factors Affecting Gut Microbiome in Daily Diet. <b>2021</b> , 8, 644138	3
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502	A review on gut microbiota: a central factor in the pathophysiology of obesity. <b>2021</b> , 20, 65	8
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