CITATION REPORT List of articles citing

Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells

DOI: 10.1038/nature12721 Nature, 2013, 504, 446-50.

Source: https://exaly.com/paper-pdf/55119812/citation-report.pdf

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2245	Microbiota: host interactions in mucosal homeostasis and systemic autoimmunity. 2013 , 78, 193-201		35
2244	Differential responses of cecal microbiota to fishmeal, Eimeria and Clostridium perfringens in a necrotic enteritis challenge model in chickens. 2014 , 9, e104739		110
2243	???????®??????????????????????????????		
2242	Gut microbiota-derived short-chain Fatty acids, T cells, and inflammation. 2014 , 14, 277-88		330
2241	Epigenetics in T-cell Development and Function. 2014 , 5, 161-170		1
2240	Friends with social benefits: host-microbe interactions as a driver of brain evolution and development?. 2014 , 4, 147		101
2239	Natural killer cells and regulatory T cells in early pregnancy loss. 2014 , 58, 219-29		86
2238	Interplay between Intestinal Microbiota and Host Immune System. 2014 , 44, 1		9
2237	Association among genetic predisposition, gut microbiota, and host immune response in the etiopathogenesis of inflammatory bowel disease. 2014 , 47, 727-37		37
2236	Short-chain fatty acids enhance adipocyte differentiation in the stromal vascular fraction of porcine adipose tissue. 2014 , 144, 1887-95		66
2235	Interplay of nutrients and microbial metabolites in intestinal immune homeostasis: distinct and common mechanisms of immune regulation in the small bowel and colon. 2014 , 79, 57-71		8
2234	Microorganism-induced suppression of allergic airway disease: novel therapies on the horizon?. 2014 , 8, 717-30		7
2233	Commensal-pathogen interactions in the intestinal tract: lactobacilli promote infection with, and are promoted by, helminth parasites. 2014 , 5, 522-32		152
2232	Suppressive action of acetate on interleukin-8 production via tubulin-acetylation. 2014 , 92, 624-30		9
2231	Rad50 and CARD9, missing links in cytosolic DNA-stimulated inflammation. 2014 , 15, 534-6		8
2230	Gut microbes and adverse food reactions: Focus on gluten related disorders. 2014 , 5, 594-605		30
2229	Probiotics and antibiotics in IBD. 2014 , 32 Suppl 1, 10-7		33

2228	Potential of epigenetic therapies in non-cancerous conditions. 2014 , 5, 438	26
2227	Organ-specific and memory treg cells: specificity, development, function, and maintenance. 2014 , 5, 333	90
2226	Teleost microbiomes: the state of the art in their characterization, manipulation and importance in aquaculture and fisheries. 2014 , 5, 207	341
2225	Fatty acids, lipid mediators, and T-cell function. 2014 , 5, 483	77
2224	Keeping peace with the microbiome: acetate dampens inflammatory cytokine production in intestinal epithelial cells. 2014 , 92, 561-2	8
2223	Carbadox has both temporary and lasting effects on the swine gut microbiota. 2014 , 5, 276	48
2222	The role of Fatty Acid oxidation in the metabolic reprograming of activated t-cells. 2014 , 5, 641	22
2221	Blowing on embers: commensal microbiota and our immune system. 2014 , 5, 318	47
2220	Commensal bacteria regulate thymic Aire expression. 2014 , 9, e105904	13
2219	Regulatory T cells occupy an isolated niche in the intestine that is antigen independent. 2014 , 9, 1567-1573	18
2218	Erratum: Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. <i>Nature</i> , 2014 , 506, 254-254	5
2217	The intestinal microbiota in inflammatory bowel diseases. 2014 , 79, 29-39	28
2216	Defining dysbiosis and its influence on host immunity and disease. 2014 , 16, 1024-33	481
2215	Gut microbiome and the risk factors in central nervous system autoimmunity. 2014 , 588, 4214-22	46
2214	The role of the microbiome in immune cell development. 2014 , 113, 593-8	18
2214	The role of the microbiome in immune cell development. 2014 , 113, 593-8 The short chain fatty acids, butyrate and propionate, have differential effects on the motility of the guinea pig colon. 2014 , 26, 1586-96	18 69
,	The short chain fatty acids, butyrate and propionate, have differential effects on the motility of the	

2210	Characterization of the 17 strains of regulatory T cell-inducing human-derived Clostridia. 2014 , 5, 333-9	130
2209	The neonatal bowel microbiome in health and infection. 2014 , 27, 236-43	49
2208	Epithelial transport in inflammatory bowel diseases. 2014 , 20, 1099-109	43
2207	The dual role of MAPK pathway in the regulation of intestinal barrier: the role of the commensal bacterium Faecalibacterium prausnitzii on this regulation. 2014 , 20, E17-8	4
2206	Identifying gut microbe-host phenotype relationships using combinatorial communities in gnotobiotic mice. 2014 , 6, 220ra11	255
2205	Dysbiotic events in gut microbiota: impact on human health. 2014 , 6, 5786-805	119
2204	The central role of the gut microbiota in chronic inflammatory diseases. 2014 , 2014, 689492	110
2203	Transcriptional Control of Lineage Differentiation in Immune Cells. 2014 ,	
2202	Regulatory T-cell differentiation and their function in immune regulation. 2014 , 841, 67-97	14
2201	Understanding host-adherent-invasive Escherichia coli interaction in Crohn's disease: opening up new therapeutic strategies. 2014 , 2014, 567929	44
2200	Shuttling of information between the mucosal and luminal environment drives intestinal homeostasis. 2014 , 588, 4148-57	21
2199	The role of commensal bacteria in the regulation of sensitization to food allergens. 2014 , 588, 4258-66	41
2198	Microbial and dietary factors modulating intestinal regulatory T cell homeostasis. 2014 , 588, 4182-7	10
2197	Commensal bacteria mediated defenses against pathogens. 2014 , 29, 16-22	82
2196	Foetal immune programming: hormones, cytokines, microbes and regulatory T cells. 2014 , 104-105, 2-7	24
2195	Segmented filamentous bacteria antigens presented by intestinal dendritic cells drive mucosal Th17 cell differentiation. 2014 , 40, 594-607	299
2194	Metagenomic analysis of the stool microbiome in patients receiving allogeneic stem cell transplantation: loss of diversity is associated with use of systemic antibiotics and more pronounced in gastrointestinal graft-versus-host disease. 2014 , 20, 640-5	336
2193	Life at the beginning: perturbation of the microbiota by antibiotics in early life and its role in health and disease. 2014 , 15, 307-10	146

2192	Role of the microbiota in immunity and inflammation. 2014 , 157, 121-41	2330
2191	Intestinal microbiota and its effects on the immune system. 2014 , 16, 1004-13	77
2190	Relationship between gut microbiota and development of T cell associated disease. 2014 , 588, 4195-206	65
2189	Compositional and functional features of the gastrointestinal microbiome and their effects on human health. 2014 , 146, 1449-58	276
2188	Regulation of the immune system by the resident intestinal bacteria. 2014 , 146, 1477-88	176
2187	The multifaceted role of the intestinal microbiota in colon cancer. 2014 , 54, 309-20	215
2186	From promotion to management: the wide impact of bacteria on cancer and its treatment. 2014 , 36, 658-64	7
2185	The epigenetic regulator Uhrf1 facilitates the proliferation and maturation of colonic regulatory T cells. 2014 , 15, 571-9	125
2184	The treatment-naive microbiome in new-onset Crohn's disease. 2014 , 15, 382-392	1836
2183	NLRPs, microbiota, and gut homeostasis: unravelling the connection. 2014 , 233, 321-30	44
2182	Helper T cell plasticity: impact of extrinsic and intrinsic signals on transcriptomes and epigenomes. 2014 , 381, 279-326	36
2181	Microbiota-dependent crosstalk between macrophages and ILC3 promotes intestinal homeostasis. 2014 , 343, 1249288	539
2180	Uhrf to Treg cells: reinforcing the mucosal peacekeepers. 2014 , 15, 533-4	2
2179	Gut microbiota-generated metabolites in animal health and disease. 2014 , 10, 416-24	388
2178	Microbial metabolites control gut inflammatory responses. 2014 , 111, 2058-9	60
2177	GPR109a: the missing link between microbiome and good health?. 2014 , 40, 8-10	22
2176	The microbial metabolite butyrate regulates intestinal macrophage function via histone deacetylase inhibition. 2014 , 111, 2247-52	987
2175	Mucosal immunology: Bacteria get T(Reg) cells into shape. 2014 , 14, 2-3	9

2174	Th17 cells at the crossroads of autoimmunity, inflammation, and atherosclerosis. 2014 , 40, 10-2	24
2173	The mucosal immune system for vaccine development. 2014 , 32, 6711-23	92
2172	Specialized metabolites from the microbiome in health and disease. 2014 , 20, 719-730	337
2171	Histone deacetylase inhibitors upregulate B cell microRNAs that silence AID and Blimp-1 expression for epigenetic modulation of antibody and autoantibody responses. 2014 , 193, 5933-50	77
2170	Modulation of immune development and function by intestinal microbiota. 2014 , 35, 507-17	186
2169	Development and survival of Th17 cells within the intestines: the influence of microbiome- and diet-derived signals. 2014 , 193, 4769-77	39
2168	Epigenomic regulation of host-microbiota interactions. 2014 , 35, 518-25	51
2167	Microbiome in human immunodeficiency virus infection. 2014 , 34, 733-45	25
2166	Cellular and molecular pathways through which commensal bacteria modulate sensitization to dietary antigens. 2014 , 31, 79-86	10
2165	New aspects of IgA synthesis in the gut. 2014 , 26, 489-94	14
2164	Diet, metabolites, and "western-lifestyle" inflammatory diseases. 2014 , 40, 833-42	546
2163	The interplay between the gut microbiota and the immune system. 2014 , 5, 411-8	125
2162	Dynamics of gut microbiota in autoimmune lupus. 2014 , 80, 7551-60	167
2161	A gnotobiotic mouse model demonstrates that dietary fiber protects against colorectal tumorigenesis in a microbiota- and butyrate-dependent manner. 2014 , 4, 1387-97	256
2160	Evaluation of therapeutic properties of fermented vegetables extract (OM- $X^{\text{\tiny []}}$) in the model of colitis induced by Citrobacter rodentium in mice. 2014 , 10, 117-127	6
2159	High-fat-diet-mediated dysbiosis promotes intestinal carcinogenesis independently of obesity. Nature, 2014 , 514, 508-12	284
2158	Finding the missing links among metabolites, microbes, and the host. 2014 , 40, 824-32	198
2157	T Helper Cell Differentiation and Their Function. 2014 ,	5

2156	Inflammatory bowel disease as a model for translating the microbiome. 2014 , 40, 843-54	237
2155	T-cell-receptor-dependent signal intensity dominantly controls CD4(+) T cell polarization In Vivo. 2014 , 41, 63-74	161
2154	Commensal bacteria protect against food allergen sensitization. 2014 , 111, 13145-50	476
2153	Commensal microbes drive intestinal inflammation by IL-17-producing CD4+ T cells through ICOSL and OX40L costimulation in the absence of B7-1 and B7-2. 2014 , 111, 10672-7	15
2152	Pitfalls in global normalization of ChIP-seq data in CD4(+) T cells treated with butyrate: A possible solution strategy. 2014 , 2, 176-80	2
2151	Digesting the emerging role for the gut microbiome in central nervous system demyelination. 2014 , 20, 1553-9	49
2150	Collateral damage: microbiota-derived metabolites and immune function in the antibiotic era. 2014 , 16, 156-163	40
2149	Deciphering the epigenetic code of T lymphocytes. 2014 , 261, 50-61	15
2148	T cells and intestinal commensal bacteriaignorance, rejection, and acceptance. 2014 , 588, 4167-75	12
2147	The gut microbiota, bacterial metabolites and colorectal cancer. 2014 , 12, 661-72	1390
2147 2146	The gut microbiota, bacterial metabolites and colorectal cancer. 2014 , 12, 661-72 Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786	1390 423
2146	Starving our microbial self: the deleterious consequences of a diet deficient in	
2146	Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786	423
2146 2145	Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786 Microbial priming of plant and animal immunity: symbionts as developmental signals. 2014 , 22, 607-13	4 ² 3
2146 2145 2144	Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786 Microbial priming of plant and animal immunity: symbionts as developmental signals. 2014 , 22, 607-13 Regulation of regulatory T cells: epigenetics and plasticity. 2014 , 124, 249-73	4 ² 3 65 23
2146 2145 2144 2143	Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786 Microbial priming of plant and animal immunity: symbionts as developmental signals. 2014 , 22, 607-13 Regulation of regulatory T cells: epigenetics and plasticity. 2014 , 124, 249-73 Regional specialization within the intestinal immune system. 2014 , 14, 667-85 Short-chain fatty acids from periodontal pathogens suppress histone deacetylases, EZH2, and	4 ² 3 65 23 756
2146 2145 2144 2143 2142	Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786 Microbial priming of plant and animal immunity: symbionts as developmental signals. 2014 , 22, 607-13 Regulation of regulatory T cells: epigenetics and plasticity. 2014 , 124, 249-73 Regional specialization within the intestinal immune system. 2014 , 14, 667-85 Short-chain fatty acids from periodontal pathogens suppress histone deacetylases, EZH2, and SUV39H1 to promote Kaposi's sarcoma-associated herpesvirus replication. 2014 , 88, 4466-79 Foxp3(+) T cells regulate immunoglobulin a selection and facilitate diversification of bacterial	423 65 23 756 63

2138	Anatomical localization of commensal bacteria in immune cell homeostasis and disease. 2014 , 260, 35-49	46
2137	Treg functional stability and its responsiveness to the microenvironment. 2014 , 259, 115-39	119
2136	Microbiota activation and regulation of innate and adaptive immunity. 2014 , 260, 206-20	81
2135	Regulation of the gut microbiota by the mucosal immune system in mice. 2014 , 26, 481-7	19
2134	B cells as a critical node in the microbiota-host immune system network. 2014 , 260, 50-66	32
2133	Fusobacterium and Enterobacteriaceae: important players for CRC?. 2014 , 162, 54-61	89
2132	The microbiota, the immune system and the allograft. 2014 , 14, 1236-48	45
2131	TREG-cell therapies for autoimmune rheumatic diseases. 2014 , 10, 543-51	144
2130	Metabolism of stromal and immune cells in health and disease. <i>Nature</i> , 2014 , 511, 167-76	298
2129	Microbiota and diabetes: an evolving relationship. 2014 , 63, 1513-21	461
2128	Mining the human gut microbiota for effector strains that shape the immune system. 2014 , 40, 815-23	82
2127	Dendritic cell-epithelial cell crosstalk in the gut. 2014 , 260, 118-28	41
2126	T-cell selection and intestinal homeostasis. 2014 , 259, 60-74	34
2125	Lipid metabolites as metabolic messengers in inter-organ communication. 2014 , 25, 356-63	28
2124	[The Cutting-edge of Medicine; Human gut microbiome and its implication in endocrinology and metabolism]. 2014 , 103, 2813-9	
2123	Deciphering the tte-^-tte between the microbiota and the immune system. 2014 , 124, 4197-203	79
2122	Mechanistic links between gut microbial community dynamics, microbial functions and metabolic health. 2014 , 20, 16498-517	74
2121	The common prophylactic therapy for bowel surgery is ineffective for clearing Bacteroidetes, the primary inducers of systemic inflammation, and causes faster death in response to intestinal barrier damage in mice. 2014 , 1, e000009	4

2120	[Gut microbiota, host defense and immunity: analysis with integrative omics approach]. 2014, 37, 403-11	4
2119	[Advanced technologies for the human gut microbiome analysis]. 2014 , 37, 412-22	2
2118	Beneficial effects of exclusive enteral nutrition in Crohn's disease are not mediated by Faecalibacterium prausnitzii. 2014 , 20, E18	5
2117	Intake of indigestible carbohydrates influences IgA response and polymeric Ig receptor expression in the rat submandibular gland. 2015 , 113, 1895-902	17
2116	Fungal Signature in the Gut Microbiota of Pediatric Patients With Inflammatory Bowel Disease. 2015 , 21, 1948-56	131
2115	Asthma, Atopy, and Intestinal Microbiota. 2015 , 05, 071-076	
2114	The extracellular RNA complement of Escherichia coli. 2015 , 4, 252-266	107
2113	The role of gut microbiota and diet in experimental autoimmune encephalitis and multiple sclerosis. 2015 , 6, 30-37	2
2112	Extra-thymically induced T regulatory cell subsets: the optimal target for antigen-specific immunotherapy. 2015 , 145, 171-81	21
2111	Intestinal Immunity and Gut Microbiota as Therapeutic Targets for Preventing Atherosclerotic Cardiovascular Diseases. 2015 , 79, 1882-90	36
2110	Propionate Promotes Fatty Acid Oxidation through the Up-Regulation of Peroxisome Proliferator-Activated Receptor In Intestinal Epithelial Cells. 2015 , 61, 511-5	11
2109	Immune Response, Autoimmunity and Microbiota. 2015 , 104, 1665-1671	
2108	[Gut Microbiota and Internal Diseases: Update Information. Topics: IV. Obesity, diabetes and gut microbiota]. 2015 , 104, 57-65	2
2107	Identification of Reliable Components in Multivariate Curve Resolution-Alternating Least Squares (MCR-ALS): a Data-Driven Approach across Metabolic Processes. 2015 , 5, 15710	40
2106	Probiotic Bifidobacterium longum alters gut luminal metabolism through modification of the gut microbial community. 2015 , 5, 13548	95
2105	Plasmodium berghei ANKA causes intestinal malaria associated with dysbiosis. 2015 , 5, 15699	40
2104	Probiotic supplementation influences faecal short chain fatty acids in infants at high risk for eczema. 2015 , 6, 783-90	32
2103	Congress report of the sixth triennial joint Americas Committee for Treatment and Research in Multiple Sclerosis-European Committee for Treatment and Research in Multiple Sclerosis meeting in Boston. 2015 , 6, 103-106	O

2102	Nutritional approaches for the primary prevention of allergic disease: An update. 2015 , 51, 962-9; quiz 968-9	11
2101	Immunoregulation of multiple sclerosis by gut environmental factors. 2015 , 6, 362-369	4
2100	Harnessing regulatory T cells for the treatment of inflammatory bowel disease. 2015 , 21, 1409-18	31
2099	The functional impact of the intestinal microbiome on mucosal immunity and systemic autoimmunity. 2015 , 27, 381-7	48
2098	A breakdown in communication? Understanding the effects of aging on the human small intestine epithelium. 2015 , 129, 529-31	22
2097	Food for thought: progress in understanding the causes and mechanisms of food allergy. 2015 , 15, 237-42	9
2096	The intestinal microbiome in spondyloarthritis. 2015 , 27, 319-25	79
2095	Gut feelings of safety: tolerance to the microbiota mediated by innate immune receptors. 2015 , 59, 573-85	29
2094	The gut microbiota and inflammatory bowel disease. 2015 , 27, 388-96	39
2093	The role of the commensal microbiota in the regulation of tolerance to dietary allergens. 2015 , 15, 243-9	41
2092	In-utero exposures and the evolving epidemiology of paediatric allergy. 2015 , 15, 402-8	23
2091	Gut Function-Enhancing Properties and Metabolic Effects of Dietary Indigestible Sugars in Rodents and Rabbits. 2015 , 7, 8348-65	11
2090	Towards large-cohort comparative studies to define the factors influencing the gut microbial community structure of ASD patients. 2015 , 26, 26555	13
2089	Commensal microbiota-derived signals regulate host immune system through epigenetic modifications. 2015 , 35, 129-136	1
2088	Regulation of intestinal inflammation through interaction of intestinal environmental factors and innate immune cells. 2015 , 35, 028-041	
2087	Translational research into gut microbiota: new horizons on obesity treatment: updated 2014. 2015 , 59, 154-60	18
2086	Pathogenesis of Crohn's disease. 2015 , 7, 44	48
2085	An Integrated Outlook on the Metagenome and Metabolome of Intestinal Diseases. 2015 , 3, 341-359	5

2084	Metabolic Interactions in the Gastrointestinal Tract (GIT): Host, Commensal, Probiotics, and Bacteriophage Influences. 2015 , 3, 913-32	8
2083	Regulatory T-Cells at the Interface between Human Host and Pathogens in Infectious Diseases and Vaccination. 2015 , 6, 217	99
2082	Epigenetic Codes Programing Class Switch Recombination. 2015 , 6, 405	9
2081	SLE: Another Autoimmune Disorder Influenced by Microbes and Diet?. 2015 , 6, 608	70
2080	Epigenetics of Peripheral B-Cell Differentiation and the Antibody Response. 2015 , 6, 631	58
2079	The Treg/Th17 Axis: A Dynamic Balance Regulated by the Gut Microbiome. 2015 , 6, 639	247
2078	Regulation of lung immunity and host defense by the intestinal microbiota. 2015 , 6, 1085	194
2077	Conditional Deletion of TAK1 in T Cells Reveals a Pivotal Role of TCRH Intraepithelial Lymphocytes in Preventing Lymphopenia-Associated Colitis. 2015 , 10, e0128761	6
2076	Dysbiosis in the Gut Microbiota of Patients with Multiple Sclerosis, with a Striking Depletion of Species Belonging to Clostridia XIVa and IV Clusters. 2015 , 10, e0137429	424
2075	Antimicrobial and immune modulatory effects of lactic acid and short chain fatty acids produced by vaginal microbiota associated with eubiosis and bacterial vaginosis. 2015 , 6, 164	169
2074	Non-celiac gluten sensitivity triggers gut dysbiosis, neuroinflammation, gut-brain axis dysfunction, and vulnerability for dementia. 2015 , 14, 110-31	46
2073	Regulation of intestinal Th17 and Treg cells by gut microbiota. 2015 , 35, 099-105	2
2072	Role of the normal gut microbiota. 2015 , 21, 8787-803	1021
2071	The unfolded protein response, inflammation, oscillators, and disease: a systems biology approach. 2015 , 2,	O
2070	Th17 Cells in Type 1 Diabetes: Role in the Pathogenesis and Regulation by Gut Microbiome. 2015 , 2015, 638470	28
2069	The Consumption of Bicarbonate-Rich Mineral Water Improves Glycemic Control. 2015 , 2015, 824395	31
2068	Intestinal microbiota as modulators of the immune system and neuroimmune system: impact on the host health and homeostasis. 2015 , 2015, 931574	69
2067	T Lymphocyte Dynamics in Inflammatory Bowel Diseases: Role of the Microbiome. 2015 , 2015, 504638	31

The kinase DYRK1A reciprocally regulates the differentiation of Th17 and regulatory T cells. 2015 , 4,	33
2065 Roles of Commensal Microbiota in Pancreas Homeostasis and Pancreatic Pathologies. 2015 , 2015, 2846	580 25
2064 Gut microbial short-chain fatty acids in host defense and immune regulation. 2015 , 35, 114-121	5
2063 Gut microbiota and host metabolism in liver cirrhosis. 2015 , 21, 11597-608	68
2062 Are obesity-related insulin resistance and type 2 diabetes autoimmune diseases?. 2015 , 64, 1886-97	63
2061 Regulatory T cell identity: formation and maintenance. 2015 , 36, 344-53	98
2060 Intestinal microbiota-related effects on graft-versus-host disease. 2015 , 101, 428-37	42
2059 The composition of the gut microbiota throughout life, with an emphasis on early life. 2015 , 26, 26050	505
2058 Novel players in coeliac disease pathogenesis: role of the gut microbiota. 2015 , 12, 497-506	136
2057 Gut bacteria and cancer. 2015 , 1856, 86-90	31
Metabolic dynamics analysis by massive data integration: application to tsunami-affected field soils in Japan. 2015 , 10, 1908-15	14
A breakthrough in probiotics: Clostridium butyricum regulates gut homeostasis and anti-inflammatory response in inflammatory bowel disease. 2015 , 50, 928-39	81
2054 Mucosal Dendritic Cells. 2015 , 489-541	3
2053 T cells in the control of organ-specific autoimmunity. 2015 , 125, 2250-60	97
2052 The gut microbiota and Type 1 Diabetes. 2015 , 159, 143-53	108
Genomic and phenotypic analyses of Carnobacterium jeotgali strain MS3(T), a lactate-producing candidate biopreservative bacterium isolated from salt-fermented shrimp. 2015 , 362,	2
2050 The Tumor Macroenvironment: Cancer-Promoting Networks Beyond Tumor Beds. 2015 , 128, 235-62	38
Metagenomic cross-talk: the regulatory interplay between immunogenomics and the microbiome. 2049 2015 , 7, 120	48

2048 . **2015**,

2047 Beneficial	Microorganisms in Medical and Health Applications. 2015 ,	5
2046 Immuno-e	cology: how the microbiome regulates tolerance and autoimmunity. 2015 , 37, 34-9	31
2045 From Hype	e to Hope: The Gut Microbiota in Enteric Infectious Disease. 2015 , 163, 1326-32	112
2044 Reply to B	rown et al. 2015 , 145, 1029-30	
	onment Matters: Unique Conditions Within Gut-Draining Lymph Nodes Favor Efficient aduction of Regulatory T Cells. 2015 , 136, 35-56	4
2042 The Molec	ular Control of Regulatory T Cell Induction. 2015 , 136, 69-97	6
2041 Complete	Genome Sequence of the Novel Leech Symbiont Mucinivorans hirudinis M3T. 2015 , 3,	5
2040 SCFA Prod	lucing Gut Microbiota and its Effects on the Epigenetic Regulation of Inflammation. 2015 , 181-197	1
2039 Gut bacter	ia mediate aggregation in the German cockroach. 2015 , 112, 15678-83	105
Targeting and Movin	the Microbiome in Inflammatory Bowel Disease: Critical Evaluation of Current Concepts g to New Horizons. 2015 , 33 Suppl 1, 105-112	22
2037 The Role o	of Integrated Omics in Elucidating the Gut Microbiota Health Potentials. 2015 , 73-100	2
	us host-microbiota relationship in inflammatory bowel diseasecan foes become friends 15 , 50, 34-42	25
	of the Intestinal Environment by Lubiprostone Is Associated with Amelioration of nduced CKD. 2015 , 26, 1787-94	127
2034 The role o	f IL-10 in microbiome-associated immune modulation and disease tolerance. 2015 , 75, 291-301	22
	onal families: Clostridium scindens and secondary bile acids inhibit the growth of m difficile. 2015 , 21, 9-10	19
2032 Epigenetic	modifications of the immune system in health and disease. 2015 , 93, 226-32	73
2031 Feeding in	nmunity: skepticism, delicacies and delights. 2015 , 16, 215-9	13

2030	Behët's syndrome patients exhibit specific microbiome signature. 2015 , 14, 269-76	153
2029	Therapeutic Manipulation of the Microbiome in IBD: Current Results and Future Approaches. 2015 , 13, 105-20	80
2028	The rural-urban enigma of allergy: what can we learn from studies around the world?. 2015 , 26, 95-102	36
2027	Severity of atopic disease inversely correlates with intestinal microbiota diversity and butyrate-producing bacteria. 2015 , 70, 241-4	121
2026	Comparative metabolomic and ionomic approach for abundant fishes in estuarine environments of Japan. 2014 , 4, 7005	46
2025	Targeting T cell metabolism for therapy. 2015 , 36, 71-80	167
2024	Food, immunity, and the microbiome. 2015 , 148, 1107-19	193
2023	Microbiota-mediated inflammation and antimicrobial defense in the intestine. 2015 , 33, 227-56	167
2022	Fatty acid metabolism in the regulation of T cell function. 2015 , 36, 81-91	225
2021	Preventing postoperative recurrence of Crohn's disease: how can we improve results?. 2015 , 13, 936-9	5
2021	Preventing postoperative recurrence of Crohn's disease: how can we improve results?. 2015 , 13, 936-9 Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. Nature, 2015 , 519, 92-6	
2020	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome.	
2020	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. Nature, 2015, 519, 92-6	.4 1016
2020	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. Nature, 2015, 519, 92-6 The gut microbiota and inflammatory bowel disease. 2015, 37, 47-55 Intestinales Mikrobiom und chronisch-entzfidliche Darmerkrankungen: Feindschaft oder	.4 1016 392
2020 2019 2018	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. Nature, 2015, 519, 92-6 The gut microbiota and inflammatory bowel disease. 2015, 37, 47-55 Intestinales Mikrobiom und chronisch-entzfidliche Darmerkrankungen: Feindschaft oder Freundschaft?. 2015, 10, 87-101 Cohort Profile: The Barwon Infant Study. 2015, 44, 1148-60 Revisit dietary fiber on colorectal cancer: butyrate and its role on prevention and treatment. 2015	.4 1016 392 2
2020 2019 2018 2017	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. Nature, 2015, 519, 92-6 The gut microbiota and inflammatory bowel disease. 2015, 37, 47-55 Intestinales Mikrobiom und chronisch-entzfidliche Darmerkrankungen: Feindschaft oder Freundschaft?. 2015, 10, 87-101 Cohort Profile: The Barwon Infant Study. 2015, 44, 1148-60 Revisit dietary fiber on colorectal cancer: butyrate and its role on prevention and treatment. 2015,	.4 1016 392 2
2020 2019 2018 2017 2016	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. Nature, 2015, 519, 92-6 The gut microbiota and inflammatory bowel disease. 2015, 37, 47-55 Intestinales Mikrobiom und chronisch-entzfidliche Darmerkrankungen: Feindschaft oder Freundschaft?. 2015, 10, 87-101 Cohort Profile: The Barwon Infant Study. 2015, 44, 1148-60 Revisit dietary fiber on colorectal cancer: butyrate and its role on prevention and treatment. 2015, 34, 465-78 Pancreatic ECells Limit Autoimmune Diabetes via an Immunoregulatory Antimicrobial Peptide	.4 1016 392 2 67 69

Microbiota metabolite regulation of host immune homeostasis: a mechanistic missing lin 15, 24	k. 2015 ,
The role of butyrate, a histone deacetylase inhibitor in diabetes mellitus: experimental extension therapeutic intervention. 2015 , 7, 669-80	vidence for 50
2010 Vitamin B12 modulates the transcriptome of the skin microbiota in acne pathogenesis. 20	015 , 7, 293ra103 8 ₇
Evidence that asthma is a developmental origin disease influenced by maternal diet and l metabolites. 2015 , 6, 7320	bacterial 474
2008 IL-6 and ICOS Antagonize Bim and Promote Regulatory T Cell Accrual with Age. 2015 , 195	5, 944-52 43
2007 The environment of regulatory T cell biology: cytokines, metabolites, and the microbiom	e. 2015 , 6, 61 90
2006 Deciphering the crosstalk among IL-1 and IL-10 family cytokines in intestinal immunity. 20	015 , 36, 471-8 ₂₁
Engineering the Microbiome: a Novel Approach to Immunotherapy for Allergic and Immu 2005 Diseases. 2015 , 15, 39	ne 12
2004 Regulatory immune cells in regulation of intestinal inflammatory response to microbiota	. 2015 , 8, 969-978 1 ₅₂
2003 Peritoneal wash contents used to predict mortality in a murine sepsis model. 2015 , 199, 2	211-9 9
2003 Peritoneal wash contents used to predict mortality in a murine sepsis model. 2015 , 199, 2 Smad2 and Smad3 Inversely Regulate TGF-l'Autoinduction in Clostridium butyricum-Active Dendritic Cells. 2015 , 43, 65-79	Ź
Smad2 and Smad3 Inversely Regulate TGF-[Autoinduction in Clostridium butyricum-Active	ated
Smad2 and Smad3 Inversely Regulate TGF-[Autoinduction in Clostridium butyricum-Active Dendritic Cells. 2015 , 43, 65-79	ated 113
Smad2 and Smad3 Inversely Regulate TGF-IAutoinduction in Clostridium butyricum-Active Dendritic Cells. 2015 , 43, 65-79 2001 Influence of nutrient-derived metabolites on lymphocyte immunity. 2015 , 21, 709-18 New insights from animal models of colon cancer: inflammation control as a new facet or	ated 113 41 n the
Smad2 and Smad3 Inversely Regulate TGF-DAutoinduction in Clostridium butyricum-Active Dendritic Cells. 2015 , 43, 65-79 2001 Influence of nutrient-derived metabolites on lymphocyte immunity. 2015 , 21, 709-18 New insights from animal models of colon cancer: inflammation control as a new facet or tumor suppressor APC gem. 2015 , 39	ated 113 41
Smad2 and Smad3 Inversely Regulate TGF-[Autoinduction in Clostridium butyricum-Active Dendritic Cells. 2015, 43, 65-79 Influence of nutrient-derived metabolites on lymphocyte immunity. 2015, 21, 709-18 New insights from animal models of colon cancer: inflammation control as a new facet or tumor suppressor APC gem. 2015, 39 Tissue resident regulatory T cells: novel therapeutic targets for human disease. 2015, 12,	ated 113 41
Smad2 and Smad3 Inversely Regulate TGF-l'Autoinduction in Clostridium butyricum-Active Dendritic Cells. 2015, 43, 65-79 2001 Influence of nutrient-derived metabolites on lymphocyte immunity. 2015, 21, 709-18 2000 New insights from animal models of colon cancer: inflammation control as a new facet or tumor suppressor APC gem. 2015, 39 1999 Tissue resident regulatory T cells: novel therapeutic targets for human disease. 2015, 12, 1998 Sequencing and beyond: integrating molecular 'omics' for microbial community profiling.	ated 113 41 2 543-52 36 2015, 13, 360-72 394

1994	Humoral autoimmunity: a failure of regulatory T cells?. 2015 , 14, 735-41	37
1993	Le microbiome et la rgulation des rponses allergiques : dans lintestin. 2015 , 55, 104-105	1
1992	Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets. 2015 , 113, 1558-70	66
1991	Reprogramming of human somatic cells by bacteria. 2015 , 57, 305-12	15
1990	The Microbiome and Graft Versus Host Disease. 2015 , 1, 39-47	12
1989	Manipulation of the quorum sensing signal AI-2 affects the antibiotic-treated gut microbiota. 2015 , 10, 1861-71	222
1988	Mucosal Immune Development in Early Life: Setting the Stage. 2015 , 63, 251-68	44
1987	Innate immunity: actuating the gears of celiac disease pathogenesis. 2015 , 29, 425-35	44
1986	Microbiotal Implications for immunity and transplantation. 2015, 11, 342-53	36
1985	The Src kinase Fyn is protective in acute chemical-induced colitis and promotes recovery from disease. 2015 , 97, 1089-99	5
1985 1984	disease. 2015 , 97, 1089-99	242
1984	disease. 2015 , 97, 1089-99	
1984	disease. 2015 , 97, 1089-99 Microbiota in allergy and asthma and the emerging relationship with the gut microbiome. 2015 , 17, 592-602	242
1984	Microbiota in allergy and asthma and the emerging relationship with the gut microbiome. 2015 , 17, 592-602 An integrative view of microbiome-host interactions in inflammatory bowel diseases. 2015 , 17, 577-91 Intestinal anti-inflammatory activity of apigenin K in two rat colitis models induced by	242 178
1984 1983 1982	Microbiota in allergy and asthma and the emerging relationship with the gut microbiome. 2015, 17, 592-602 An integrative view of microbiome-host interactions in inflammatory bowel diseases. 2015, 17, 577-91 Intestinal anti-inflammatory activity of apigenin K in two rat colitis models induced by trinitrobenzenesulfonic acid and dextran sulphate sodium. 2015, 113, 618-26 A gut microbial metabolite of linoleic acid, 10-hydroxy-cis-12-octadecenoic acid, ameliorates	24217839
1984 1983 1982	Microbiota in allergy and asthma and the emerging relationship with the gut microbiome. 2015, 17, 592-602 An integrative view of microbiome-host interactions in inflammatory bowel diseases. 2015, 17, 577-91 Intestinal anti-inflammatory activity of apigenin K in two rat colitis models induced by trinitrobenzenesulfonic acid and dextran sulphate sodium. 2015, 113, 618-26 A gut microbial metabolite of linoleic acid, 10-hydroxy-cis-12-octadecenoic acid, ameliorates intestinal epithelial barrier impairment partially via GPR40-MEK-ERK pathway. 2015, 290, 2902-18	24217839134
1984 1983 1982 1981 1980	Microbiota in allergy and asthma and the emerging relationship with the gut microbiome. 2015, 17, 592-602 An integrative view of microbiome-host interactions in inflammatory bowel diseases. 2015, 17, 577-91 Intestinal anti-inflammatory activity of apigenin K in two rat colitis models induced by trinitrobenzenesulfonic acid and dextran sulphate sodium. 2015, 113, 618-26 A gut microbial metabolite of linoleic acid, 10-hydroxy-cis-12-octadecenoic acid, ameliorates intestinal epithelial barrier impairment partially via GPR40-MEK-ERK pathway. 2015, 290, 2902-18 The gut microbiome in autoimmunity: Sex matters. 2015, 159, 154-62	2421783913483

1976	The influence of the microbiota on the immune response to transplantation. 2015 , 20, 1-7	22
1975	Towards a more comprehensive concept for prebiotics. 2015 , 12, 303-10	490
1974	Prebiotics, probiotics, synbiotics, and the immune system: experimental data and clinical evidence. 2015 , 31, 153-8	139
1973	The gut microbiome in health and in disease. 2015 , 31, 69-75	721
1972	Metabolite-sensing receptors GPR43 and GPR109A facilitate dietary fibre-induced gut homeostasis through regulation of the inflammasome. 2015 , 6, 6734	658
1971	Cancer and the microbiota. 2015 , 348, 80-6	623
1970	Autoimmune host-microbiota interactions at barrier sites and beyond. 2015 , 21, 233-44	68
1969	Why is initial bacterial colonization of the intestine important to infants' and children's health?. 2015 , 60, 294-307	175
1968	Novel substrate specificities of two lacto-N-biosidases towards Elinked galacto-N-biose-containing oligosaccharides of globo H, Gb5, and GA1. 2015 , 408, 18-24	13
1967	Novel microbiome-based therapeutics for chronic rhinosinusitis. 2015 , 15, 504	29
1966	Gut Microbiome and Obesity: A Plausible Explanation for Obesity. 2015 , 4, 250-61	106
1965	Mast Cell Activation Disease and Microbiotic Interactions. 2015 , 37, 941-53	13
1964	Fumarates modulate microglia activation through a novel HCAR2 signaling pathway and rescue synaptic dysregulation in inflamed CNS. 2015 , 130, 279-95	120
1963	The outer mucus layer hosts a distinct intestinal microbial niche. 2015 , 6, 8292	273
1962	The Intestinal Microbiota Contributes to the Ability of Helminths to Modulate Allergic Inflammation. 2015 , 43, 998-1010	260
1961	Bile Acid-Activated Receptors, Intestinal Microbiota, and the Treatment of Metabolic Disorders. 2015 , 21, 702-714	247
1960	Interactions Between the Gastrointestinal Microbiome and Clostridium difficile. 2015, 69, 445-61	167
1959	Nutritional control of immunity: Balancing the metabolic requirements with an appropriate immune function. 2015 , 27, 300-9	41

1958	Microbiota-Dependent Hepatic Lipogenesis Mediated by Stearoyl CoA Desaturase 1 (SCD1) Promotes Metabolic Syndrome in TLR5-Deficient Mice. 2015 , 22, 983-96	102
1957	Short-chain fatty acids in control of body weight and insulin sensitivity. 2015 , 11, 577-91	962
1956	A model for the role of gut bacteria in the development of autoimmunity for type 1 diabetes. 2015 , 58, 1386-93	76
1955	MUCOSAL IMMUNOLOGY. Individual intestinal symbionts induce a distinct population of RORH regulatory T cells. 2015 , 349, 993-7	487
1954	T cell metabolism drives immunity. 2015 , 212, 1345-60	668
1953	Dietary Fatty Acids Directly Impact Central Nervous System Autoimmunity via the Small Intestine. 2015 , 43, 817-29	416
1952	Butyrate and Mucosal Inflammation: New Scientific Evidence Supports Clinical Observation. 2015 , 6, e108	49
1951	Cohabitation in the Intestine: Interactions among Helminth Parasites, Bacterial Microbiota, and Host Immunity. 2015 , 195, 4059-66	102
1950	Developing Primary Intervention Strategies to Prevent Allergic Disease. 2015 , 15, 40	12
1949	Lack of soluble fiber drives diet-induced adiposity in mice. 2015 , 309, G528-41	96
1948	Protocols for the Use of Gut Models to Study the Potential Contribution of the Gut Microbiota to Human Nutrition Through the Production of Short-Chain Fatty Acids. 2015 , 233-245	
1947	Requirement of full TCR repertoire for regulatory T cells to maintain intestinal homeostasis. 2015 , 112, 12770-5	41
1946	Microbiota in Inflammatory Bowel Disease Pathogenesis and Therapy: Is It All About Diet?. 2015 , 30, 760-79	44
1945	Transcriptional and Epigenetic Control of Regulatory T Cell Development. 2015 , 136, 1-33	23
1944	The Special Relationship in the Development and Function of T Helper 17 and Regulatory T Cells. 2015 , 136, 99-129	31
1943	Diagnostic and Prognostic Microbial Biomarkers in Inflammatory Bowel Diseases. 2015 , 149, 1265-1274.e3	45
1942	Gut microbiota modulate the immune effect against hepatitis B virus infection. 2015 , 34, 2139-47	17
1941	T cell metabolic reprogramming and plasticity. 2015 , 68, 507-12	35

1940	Immune Responses to Intestinal Microbes in Inflammatory Bowel Diseases. 2015 , 15, 61	33
1939	Gut Microbiota Dysbiosis in Obesity-Linked Metabolic Diseases and Prebiotic Potential of Polyphenol-Rich Extracts. 2015 , 4, 389-400	105
1938	GITR subverts Foxp3(+) Tregs to boost Th9 immunity through regulation of histone acetylation. 2015 , 6, 8266	75
1937	New developments providing mechanistic insight into the impact of the microbiota on allergic disease. 2015 , 159, 170-6	30
1936	The Cellular and Molecular Basis of Translational Immunometabolism. 2015 , 43, 421-34	123
1935	Microbe-associated immunomodulatory metabolites: Influence on T cell fate and function. 2015 , 68, 575-84	21
1934	Control of Regulatory T Cell Migration, Function, and Homeostasis. 2015 , 195, 2507-13	124
1933	Gut Microbiome and the Development of Food Allergy and Allergic Disease. 2015 , 62, 1479-92	47
1932	A mechanism for expansion of regulatory T-cell repertoire and its role in self-tolerance. <i>Nature</i> , 2015 , 528, 132-136	96
1931	The gut microbiota keeps enteric glial cells on the move; prospective roles of the gut epithelium and immune system. 2015 , 6, 398-403	33
1930	Production of 4-hydroxybutyrate from succinate semialdehyde in butyrate biosynthesis in Porphyromonas gingivalis. 2015 , 1850, 2582-91	9
1929	Pathogen Resistance Mediated by IL-22 Signaling at the Epithelial-Microbiota Interface. 2015 , 427, 3676-82	39
1928	Standardised animal models of host microbial mutualism. 2015 , 8, 476-86	94
1927	The interplay between the intestinal microbiota and the immune system. 2015 , 39, 9-19	47
1926	Microbiome and cancer. 2015 , 37, 65-72	54
1925	The gut microbiota and its role in the development of allergic disease: a wider perspective. 2015 , 45, 43-53	134
1924	Commensal microbiota regulates T cell fate decision in the gut. 2015 , 37, 17-25	60
1923	Diet is a major factor governing the fecal butyrate-producing community structure across Mammalia, Aves and Reptilia. 2015 , 9, 832-43	69

1922	Toward the comprehensive understanding of the gut ecosystem via metabolomics-based integrated omics approach. 2015 , 37, 5-16	38
1921	Epigenomics and the microbiota. 2015 , 43, 101-6	25
1920	Obesity, inflammation, and the gut microbiota. 2015 , 3, 207-15	405
1919	Diet and host-microbial crosstalk in postnatal intestinal immune homeostasis. 2015 , 12, 14-25	61
1918	Short-chain fatty acids induce both effector and regulatory T cells by suppression of histone deacetylases and regulation of the mTOR-S6K pathway. 2015 , 8, 80-93	495
1917	Metabolic control of regulatory T cell development and function. 2015 , 36, 3-12	175
1916	Obesity-Associated Gut Microbiota: Characterization and Dietary Modulation. 2015 , 149-171	2
1915	Aging and the mucosal immune system in the intestine. 2015 , 16, 133-45	56
1914	Homeostatic Inflammation as Environmental-Adaptation Strategy. 2016 , 25-52	
1913	The Intestinal Immune System. 2016 , 1-12	1
1912	Kinetic changes of intestinal microbiota in the course of intestinal sensitization. 2016 , 7, 81197-81207	2
1911	6. Die physiologische Standortflora. 2016 ,	
1910	13. Bakterielle Translokation ြSepsis. 2016 ,	
1909	15. Interaktion zwischen Immunsystem und Mikrobiota. 2016 ,	
1908	The impact of dietary phosphorus and calcium on the intestinal microbiota and mitogen-induced proliferation of mesenteric lymph node lymphocytes in pigs1. 2016 , 94, 373-376	3
1907	Gut Microbiota-brain Axis. 2016 , 129, 2373-80	159
1906	Maintenance of gut homeostasis by the mucosal immune system. 2016 , 92, 423-435	28

1904 The Gut Microbiota and Immune System Relationship in Human Graft-versus-Host Disease. 2016, 8, e2016025 26 Microbiome and Allergy. 2016, 336-345 1902 Gut Microbiota in Multiple Sclerosis: A Bioreactor Driving Brain Autoimmunity. 2016, 113-125 4 1901 Influence of environmental factors in the development of inflammatory bowel diseases. 2016, 7, 112-25 1900 Role of the Microbiota in Immune Development. 2016, 109-119 1899 The gut microbiota: a key regulator of metabolic diseases. 2016, 49, 536-541 32 1898 The Microbiota Determines Susceptibility to Experimental Autoimmune Uveoretinitis. 2016, 2016, 5065703 37 Pathogenic role of the gut microbiota in gastrointestinal diseases. 2016, 14, 127-38 86 1896 Psoriasis and inflammatory bowel disease: links and risks. 2016, 6, 73-92 23 1895 Microbiome and the Effect on Immune Response. 2016, 171-194 Mucosal Interactions between Genetics, Diet, and Microbiome in Inflammatory Bowel Disease. 1894 74 2016, 7, 290 Nod2: A Critical Regulator of Ileal Microbiota and Crohn's Disease. 2016, 7, 367 54 1892 Immune Reconstitution after Allogeneic Hematopoietic Stem Cell Transplantation. 2016, 7, 507 171 Metabiotics: One Step ahead of Probiotics; an Insight into Mechanisms Involved in Anticancerous 1891 68 Effect in Colorectal Cancer. 2016, 7, 1940 1890 Molecular Insight into Gut Microbiota and Rheumatoid Arthritis. 2016, 17, 431 47 FoodPro: A Web-Based Tool for Evaluating Covariance and Correlation NMR Spectra Associated 1889 with Food Processes. 2016, 6, 1888 Gut Microbiota and Coronary Artery Disease. 2016, 57, 663-671 37 Continuous intake of resistant maltodextrin enhanced intestinal immune response through 1887 14 changes in the intestinal environment in mice. **2016**, 35, 1-7

1886	Paneth cell Edefensins and enteric microbiota in health and disease. 2016 , 35, 57-67	55
1885	Comparison of the gut microbial community between obese and lean peoples using 16S gene sequencing in a Japanese population. 2016 , 59, 65-70	108
1884	Clostridium Butyricum CGMCC0313.1 Modulates Lipid Profile, Insulin Resistance and Colon Homeostasis in Obese Mice. 2016 , 11, e0154373	41
1883	Regulation of Host Chromatin by Bacterial Metabolites. 2016 , 423-442	3
1882	Moderate-dose Regular Lifelong Alcohol Intake Changes the Intestinal Flora, Protects against Aging, and Keeps Spatial Memory in the Senescence-accelerated Mouse Prone 8 (SAMP8) Model. 2016 , 19, 430-447	10
1881	. 2016,	8
1880	Disrupted regulatory T cell homeostasis in inflammatory bowel diseases. 2016 , 22, 974-95	35
1879	Effects of Gut Microbiota Manipulation by Antibiotics on Host Metabolism in Obese Humans: A Randomized Double-Blind Placebo-Controlled Trial. 2016 , 24, 63-74	187
1878	Oral imazalil exposure induces gut microbiota dysbiosis and colonic inflammation in mice. 2016 , 160, 349-58	75
1877	Microbiota as Therapeutic Targets. 2016 , 34, 558-65	13
1876	The human gut microbiome in health: establishment and resilience of microbiota over a lifetime. 2016 , 18, 2103-16	117
1875	Microbiota at the crossroads of autoimmunity. 2016 , 15, 859-69	82
1874	Fecal Microbiota Transplant Restores Mucosal Integrity in a Murine Model of Burn Injury. 2016 , 45, 647-52	27
1873	Links Between the Microbiome and Bone. 2016 , 31, 1638-46	100
1872	Diet-microbiota interactions as moderators of human metabolism. <i>Nature</i> , 2016 , 535, 56-64 50.4	1086
1871	The microbiota in adaptive immune homeostasis and disease. <i>Nature</i> , 2016 , 535, 75-84 50.4	885
1870	Interactions between the microbiota and pathogenic bacteria in the gut. <i>Nature</i> , 2016 , 535, 85-93 50.4	627
1869	The microbiome in early life: implications for health outcomes. 2016 , 22, 713-22	548

1868	Gut microbiome and lipid metabolism: from associations to mechanisms. 2016 , 27, 216-24	51
1867	Impact of the microbial derived short chain fatty acid propionate on host susceptibility to bacterial and fungal infections in vivo. 2016 , 6, 37944	53
1866	Metagenomic evidence for taxonomic dysbiosis and functional imbalance in the gastrointestinal tracts of children with cystic fibrosis. 2016 , 6, 22493	56
1865	Bile Acids and the Potential Role in Primary Biliary Cirrhosis. 2016 , 94, 145-153	19
1864	Analysis of the intestinal microbial community and inferred functional capacities during the host response to Pneumocystis pneumonia. 2016 , 42, 425-439	18
1863	Microbiome-Host Immune System Interactions. 2016 , 36, 317-326	10
1862	Microbes, Metabolites and Health. 2016 , 13-48	
1861	Microbiota, regulatory T cell subsets, and allergic disorders. 2016 , 25, 114-123	19
1860	The role of the gut microbiota in food allergy. 2016 , 28, 748-753	48
1859	Precision medicine in alcoholic and nonalcoholic fatty liver disease via modulating the gut microbiota. 2016 , 311, G1018-G1036	49
1858	Changes in fecal microbiota and metabolomics in a child with juvenile idiopathic arthritis (JIA) responding to two treatment periods with exclusive enteral nutrition (EEN). 2016 , 35, 1501-6	18
1857	Short-Chain Fatty Acids Regulate Cytokines and Th17/Treg Cells in Human Peripheral Blood Mononuclear Cells in vitro. 2016 , 45, 205-22	85
1856	Regulatory mechanisms of immune tolerance in type 1 diabetes and their failures. 2016 , 71, 69-77	17
1855	Gut microbiota, metabolites and host immunity. 2016 , 16, 341-52	1324
1854	Age-related changes in gut microbiota composition from newborn to centenarian: a cross-sectional study. 2016 , 16, 90	598
1853	Neuro-Immuno-Gastroenterology. 2016 ,	4
1852	Faecal short-chain fatty acids - a diagnostic biomarker for irritable bowel syndrome?. 2016 , 16, 51	51
1851	Inhibitors of histone deacetylase as antitumor agents: A critical review. 2016 , 67, 18-42	133

1850	Dietary metabolites and the gut microbiota: an alternative approach to control inflammatory and autoimmune diseases. 2016 , 5, e82	125
1849	Marine macroalgal extracts to maintain gut homeostasis in the weaning piglet. 2016 , 56 Suppl, S84-9	26
1848	Functional Characterization of Inflammatory Bowel Disease-Associated Gut Dysbiosis in Gnotobiotic Mice. 2016 , 2, 468-481	123
1847	Immunometabolism of regulatory T cells. 2016 , 17, 618-25	197
1846	Combinational effects of prebiotic oligosaccharides on bifidobacterial growth and host gene expression in a simplified mixed culture model and neonatal mice. 2016 , 116, 270-8	18
1845	Molecular and cellular mechanisms of food allergy and food tolerance. 2016 , 137, 984-997	161
1844	Microbiome and Anticancer Immunosurveillance. 2016 , 165, 276-87	244
1843	Gastrointestinal Microbiota and Colon Cancer. 2016 , 34, 244-50	48
1842	Shaping the Immune Landscape in Cancer by Galectin-Driven Regulatory Pathways. 2016 , 428, 3266-3281	55
1841	Acyl-CoA reductase PGN_0723 utilizes succinyl-CoA to generate succinate semialdehyde in a butyrate-producing pathway of Porphyromonas gingivalis. 2016 , 596, 138-48	7
1840	[Epigenetics in allergic diseases and asthma]. 2016 , 87, 88-95	О
1839	Development and maintenance of intestinal regulatory T cells. 2016 , 16, 295-309	327
1838	From gut dysbiosis to altered brain function and mental illness: mechanisms and pathways. 2016 , 21, 738-48	468
1837	Emerging Concepts on the Gut Microbiome and Multiple Sclerosis. 2016 , 36, 347-57	23
1836	Gut Immunity and Type 1 Diabetes: a Mlange of Microbes, Diet, and Host Interactions?. 2016 , 16, 60	12
1835	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. 2016 , 22, 586-97	629
1834	Foodomics as part of the host-microbiota-exposome interplay. 2016 , 147, 3-20	37
1833	Benefits of short-chain fatty acids and their receptors in inflammation and carcinogenesis. 2016 , 164, 144-51	219

(2016-2016)

1832 The Microbiome, Timing, and Barrier Function in the Context of Allergic Disease. 2016 , 44, 728-38	95
Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. 2016 , 74, 374-86	49
1830 Microbiome therapeutics - Advances and challenges. 2016 , 105, 44-54	140
Microbial metabolism of dietary components to bioactive metabolites: opportunities for new therapeutic interventions. 2016 , 8, 46	277
Fine-tuning of the mucosal barrier and metabolic systems using the diet-microbial metabolite axis. 2016 , 37, 79-86	11
1827 Regulation of immune cell function by short-chain fatty acids. 2016 , 5, e73	556
Novel perspectives on therapeutic modulation of the gut microbiota. 2016 , 9, 580-93	56
1825 Antibiotic-Induced Changes in the Intestinal Microbiota and Disease. 2016 , 22, 458-478	399
1824 Tissue Tregs. 2016 , 34, 609-33	305
1823 Linking the Microbiota, Chronic Disease, and the Immune System. 2016 , 27, 831-843	138
1822 Regulatory T cells in allergic diseases. 2016 , 138, 639-652	200
1821 Microbiota-Mediated Immunomodulation and Asthma: Current and Future Perspectives. 2016 , 3, 292-309	5
1820 The Role of the Microbiota in Shaping Infectious Immunity. 2016 , 37, 647-658	55
	30
1819 Regulatory T Cells and Cancer: A Two-Sided Story. 2016 , 45, 797-812	
Regulatory T Cells and Cancer: A Two-Sided Story. 2016 , 45, 797-812 Alterations of Enteric Microbiota in Patients with a Normal Ileal Pouch Are Predictive of Pouchitis. 2017 , 11, 314-320	18
Alterations of Enteric Microbiota in Patients with a Normal Ileal Pouch Are Predictive of Pouchitis.	18
Alterations of Enteric Microbiota in Patients with a Normal Ileal Pouch Are Predictive of Pouchitis. 2017, 11, 314-320 A Disease-Associated Microbial and Metabolomics State in Relatives of Pediatric Inflammatory	

Rapid and Efficient Generation of Regulatory T Cells to Commensal Antigens in the Periphery. 201 , 17, 206-220	82
1813 Epigenetics, Energy Balance, and Cancer. 2016 ,	2
1812 Epigenetic Effects of Gut Microbiota on Obesity and Gastrointestinal Cancers. 2016 , 167-189	1
$_{ m 1811}$ Metabolite and Microbiome Interplay in Cancer Immunotherapy. 2016 , 76, 6146-6152	61
Targeting the complex interactions between microbiota, host epithelial and immune cells in inflammatory bowel disease. 2016 , 113, 574-584	18
1809 The human microbiome and juvenile idiopathic arthritis. 2016 , 14, 55	23
1808 A clinical update on the significance of the gut microbiota in systemic autoimmunity. 2016 , 74, 85-	93 76
$_{ m 1807}$ Environmental factors in autoimmune diseases and their role in multiple sclerosis. 2016 , 73, 4611-	4622 56
1806 The microbiota and susceptibility to asthma. 2016 , 361-370	
1805 Microbiome and cancer. 2016 , 371-390	O
1805 Microbiome and cancer. 2016 , 371-390 1804 The gut microbiota and the CNS. 2016 , 409-430	O
The gut microbiota and the CNS. 2016 , 409-430 Plasmonic-based colorimetric and spectroscopic discrimination of acetic and butyric acids produce by different types of Escherichia coli through the different assembly structures formation of gold	-d
The gut microbiota and the CNS. 2016 , 409-430 Plasmonic-based colorimetric and spectroscopic discrimination of acetic and butyric acids produce by different types of Escherichia coli through the different assembly structures formation of gold nanoparticles. 2016 , 933, 196-206 From the Cover: Exposure to Oral Antibiotics Induces Gut Microbiota Dysbiosis Associated with	·d 5
The gut microbiota and the CNS. 2016 , 409-430 Plasmonic-based colorimetric and spectroscopic discrimination of acetic and butyric acids produce by different types of Escherichia coli through the different assembly structures formation of gold nanoparticles. 2016 , 933, 196-206 From the Cover: Exposure to Oral Antibiotics Induces Gut Microbiota Dysbiosis Associated with Lipid Metabolism Dysfunction and Low-Grade Inflammation in Mice. 2016 , 154, 140-152 The Effect of Microbiota and the Immune System on the Development and Organization of the	5 53
The gut microbiota and the CNS. 2016 , 409-430 Plasmonic-based colorimetric and spectroscopic discrimination of acetic and butyric acids produce by different types of Escherichia coli through the different assembly structures formation of gold nanoparticles. 2016 , 933, 196-206 From the Cover: Exposure to Oral Antibiotics Induces Gut Microbiota Dysbiosis Associated with Lipid Metabolism Dysfunction and Low-Grade Inflammation in Mice. 2016 , 154, 140-152 The Effect of Microbiota and the Immune System on the Development and Organization of the Enteric Nervous System. 2016 , 151, 836-844	5 53 116
The gut microbiota and the CNS. 2016, 409-430 Plasmonic-based colorimetric and spectroscopic discrimination of acetic and butyric acids produce by different types of Escherichia coli through the different assembly structures formation of gold nanoparticles. 2016, 933, 196-206 From the Cover: Exposure to Oral Antibiotics Induces Gut Microbiota Dysbiosis Associated with Lipid Metabolism Dysfunction and Low-Grade Inflammation in Mice. 2016, 154, 140-152 The Effect of Microbiota and the Immune System on the Development and Organization of the Enteric Nervous System. 2016, 151, 836-844 1800 Microbiome in Inflammatory Arthritis and Human Rheumatic Diseases. 2016, 68, 35-45 Daikenchuto (TU-100) shapes gut microbiota architecture and increases the production of	5 53 116 143

1796	Metabolites: messengers between the microbiota and the immune system. 2016 , 30, 1589-97	217
1795	High fat diet exacerbates dextran sulfate sodium induced colitis through disturbing mucosal dendritic cell homeostasis. 2016 , 40, 1-10	51
1794	Gut microbiota role in dietary protein metabolism and health-related outcomes: The two sides of the coin. 2016 , 57, 213-232	141
1793	Age-associated effect of kestose on Faecalibacterium prausnitzii and symptoms in the atopic dermatitis infants. 2016 , 80, 844-851	34
1792	Dietary resistant starch type 4-derived butyrate attenuates nuclear factor-kappa-B1 through modulation of histone H3 trimethylation at lysine 27. 2016 , 7, 3772-3781	14
1791	Glimpse of natural selection of long-lived T-cell clones in healthy life. 2016 , 113, 9858-63	13
1790	Accelerated dysbiosis of gut microbiota during aggravation of DSS-induced colitis by a butyrate-producing bacterium. 2016 , 6, 27572	99
1789	New insights into the immunopathogenesis of systemic lupus erythematosus. 2016 , 12, 716-730	541
1788	Role of Metabolism in the Immunobiology of Regulatory T Cells. 2016 , 197, 2567-75	71
1787	Microbiota, regulatory T cell subsets, and allergic disorders. 2016 , 25, 16-25	
1786	Food Fight: Role of Itaconate and Other Metabolites in Antimicrobial Defense. 2016 , 24, 379-387	62
1785	Induced Regulatory T Cells: Their Development, Stability, and Applications. 2016 , 37, 803-811	198
1784	A reduction in the butyrate producing species Roseburia spp. and Faecalibacterium prausnitzii is associated with chronic kidney disease progression. 2016 , 109, 1389-96	76
1783	The Microbiota and Its Modulation in Immune-Mediated Disorders. 2016 , 191-227	1
1782	Fecal Microbiota-based Therapeutics for Recurrent Clostridium difficile Infection, Ulcerative Colitis and Obesity. 2016 , 13, 37-45	48
		48
1781	and Obesity. 2016 , 13, 37-45	

1778	Gut dysbiosis impairs recovery after spinal cord injury. 2016 , 213, 2603-2620	154
1777	Gut microbiota-host interactions and juvenile idiopathic arthritis. 2016 , 14, 44	30
1776	The gut-brain connection: triggering of brain autoimmune disease by commensal gut bacteria. 2016 , 55, ii68-ii75	20
1775	Control of Intestinal Regulatory T Cells by Human Commensal Bacteria. 2016 , 591-601	
1774	Pectin enhances the effect of fecal microbiota transplantation in ulcerative colitis by delaying the loss of diversity of gut flora. 2016 , 16, 255	43
1773	Changes in duodenal tissue-associated microbiota following hookworm infection and consecutive gluten challenges in humans with coeliac disease. 2016 , 6, 36797	44
1772	Associations between the gut microbiota and host immune markers in pediatric multiple sclerosis and controls. 2016 , 16, 182	69
1771	Microbial metabolite butyrate facilitates M2 macrophage polarization and function. 2016 , 6, 24838	134
1770	Increased GVHD-related mortality with broad-spectrum antibiotic use after allogeneic hematopoietic stem cell transplantation in human patients and mice. 2016 , 8, 339ra71	284
1769	Next-generation sequencing characterization of the gut bacterial community of gilthead sea bream (Sparus aurata, L.) fed low fishmeal based diets with increasing soybean meal levels. 2016 , 222, 204-216	47
1768	Sex differences in colonization of gut microbiota from a man with short-term vegetarian and inulin-supplemented diet in germ-free mice. 2016 , 6, 36137	26
1767	Context- and Tissue-Specific Regulation of Immunity and Tolerance by Regulatory T Cells. 2016 , 132, 1-46	11
1766	Gut microbiota induce IGF-1 and promote bone formation and growth. 2016 , 113, E7554-E7563	287
1765	Alterations of the human gut microbiome in multiple sclerosis. 2016 , 7, 12015	632
1764	Soluble bioactive microbial mediators regulate proteasomal degradation and autophagy to protect against inflammation-induced stress. 2016 , 311, G634-G647	2
1763	Butyrate inhibits interleukin-17 and generates Tregs to ameliorate colorectal colitis in rats. 2016 , 16, 84	102
1762	Intestinal microbiome changes and stem cell transplantation: Lessons learned. 2016 , 7, 930-938	10
1761	Bifidobacterial enzymes acting on human-derived glycans . 2016 , 27, 17-24	

1760	Autoimmune disease and epigenome regulation. 2016 , 39, 23-9	1
1759	[The role of intestinal microbiota in the response to anti-tumor therapies]. 2016 , 32, 974-982	9
1758	The intestinal microbiota and its role in human health and disease. 2016 , 63, 27-37	61
1757	In Vitro Differentiation of Human CD4+FOXP3+ Induced Regulatory T Cells (iTregs) from Na№e CD4+ T Cells Using a TGF-£containing Protocol. 2016 ,	8
1756	Variable responses of human microbiomes to dietary supplementation with resistant starch. 2016 , 4, 33	181
1755	The microbiome in asthma. 2016 , 28, 764-771	45
1754	Impacts of resistant starch and wheat bran consumption on enteric inflammation in relation to colonic bacterial community structures and short-chain fatty acid concentrations in mice. 2016 , 8, 67	35
1753	Antibiotic Treatment Induces Long-lasting Changes in the Fecal Microbiota that Protect Against Colitis. 2016 , 22, 2328-40	14
1752	A Single Species of Clostridium Subcluster XIVa Decreased in Ulcerative Colitis Patients. 2016 , 22, 2802-2810	66
1751	Gut-associated lymphoid tissue, gut microbes and susceptibility to experimental autoimmune encephalomyelitis. 2016 , 7, 363-73	20
1750	Faecalibacterium prausnitzii phylotypes in type two diabetic, obese, and lean control subjects. 2016 , 7, 511-7	46
1749	The role of the gastrointestinal microbiome in infectious complications during induction chemotherapy for acute myeloid leukemia. 2016 , 122, 2186-96	85
1748	Understanding Luminal Microorganisms and Their Potential Effectiveness in Treating Intestinal Inflammation. 2016 , 22, 194-201	7
1747	The role of the gut microbiota in NAFLD. 2016 , 13, 412-25	459
1746	Modulation of Donor-Specific Antibody Production After Organ Transplantation by Valproic Acid: A Histone Deacetylase Inhibitor. 2016 , 100, 2342-2351	8
1745	The intestinal microbiome and surgical disease. 2016 , 53, 257-93	16
1744	Mode of Delivery Determines Neonatal Pharyngeal Bacterial Composition and Early Intestinal Colonization. 2016 , 63, 320-8	36
1743	Dietary Fiber and Bacterial SCFA Enhance Oral Tolerance and Protect against Food Allergy through Diverse Cellular Pathways. 2016 , 15, 2809-24	323

1742	Resistance Mechanisms to Immune-Checkpoint Blockade in Cancer: Tumor-Intrinsic and -Extrinsic Factors. 2016 , 44, 1255-69	554
1741	How gut microbes talk to organs: The role of endocrine and nervous routes. 2016 , 5, 743-52	159
1740	The neuropharmacology of butyrate: The bread and butter of the microbiota-gut-brain axis?. 2016 , 99, 110-132	353
1739	Protective effect of polysaccharides fractions from Sijunzi decoction in reserpine-induced spleen deficiency rats. 2016 , 6, 60657-60665	21
1738	New insights into therapeutic strategies for gut microbiota modulation in inflammatory diseases. 2016 , 5, e87	64
1737	The metabolic role of the gut microbiota in health and rheumatic disease: mechanisms and interventions. 2016 , 12, 446-55	85
1736	Microbial Regulation of Gastrointestinal Immunity in Health and Disease. 2016 , 39-52	2
1735	Butyrate enhances antibacterial effects while suppressing other features of alternative activation in IL-4-induced macrophages. 2016 , 310, G822-31	29
1734	The Colonic Crypt Protects Stem Cells from Microbiota-Derived Metabolites. 2016 , 165, 1708-1720	292
1733	From Dietary Fiber to Host Physiology: Short-Chain Fatty Acids as Key Bacterial Metabolites. 2016 , 165, 1332-1345	2263
1732	Tissue adaptation of regulatory and intraepithelial CD4+ T cells controls gut inflammation. 2016 , 352, 1581-6	114
1731	Gut microbiota and colorectal cancer. 2016 , 38, 11	34
1731 1730	Gut microbiota and colorectal cancer. 2016 , 38, 11 Sodium butyrate reduces insulin-resistance, fat accumulation and dyslipidemia in type-2 diabetic rat: A comparative study with metformin. 2016 , 254, 124-34	34 76
	Sodium butyrate reduces insulin-resistance, fat accumulation and dyslipidemia in type-2 diabetic	
1730 1729	Sodium butyrate reduces insulin-resistance, fat accumulation and dyslipidemia in type-2 diabetic rat: A comparative study with metformin. 2016 , 254, 124-34	76
1730 1729	Sodium butyrate reduces insulin-resistance, fat accumulation and dyslipidemia in type-2 diabetic rat: A comparative study with metformin. 2016 , 254, 124-34 Emerging evidence of the role of gut microbiota in the development of allergic diseases. 2016 , 16, 390-5	76 53
1730 1729 1728	Sodium butyrate reduces insulin-resistance, fat accumulation and dyslipidemia in type-2 diabetic rat: A comparative study with metformin. 2016 , 254, 124-34 Emerging evidence of the role of gut microbiota in the development of allergic diseases. 2016 , 16, 390-5 Fostering of advanced mutualism with gut microbiota by Immunoglobulin A. 2016 , 270, 20-31 An essential role of Ffar2 (Gpr43) in dietary fibre-mediated promotion of healthy composition of	76 53 57

(2016-2016)

1724	Allergies and Asthma: Do Atopic Disorders Result from Inadequate Immune Homeostasis arising from Infant Gut Dysbiosis?. 2016 , 12, 379-88	28
1723	Reduced Abundance of Butyrate-Producing Bacteria Species in the Fecal Microbial Community in Crohn's Disease. 2016 , 93, 59-65	281
1722	Fragment Assembly Approach Based on Graph/Network Theory with Quantum Chemistry Verifications for Assigning Multidimensional NMR Signals in Metabolite Mixtures. 2016 , 11, 1030-8	19
1721	The microbiome and critical illness. 2016 , 4, 59-72	213
1720	SpinCouple: Development of a Web Tool for Analyzing Metabolite Mixtures via Two-Dimensional J-Resolved NMR Database. 2016 , 88, 659-65	50
1719	Early-life exercise may promote lasting brain and metabolic health through gut bacterial metabolites. 2016 , 94, 151-7	32
1718	Lymphoid-Tissue-Resident Commensal Bacteria Promote Members of the IL-10 Cytokine Family to Establish Mutualism. 2016 , 44, 634-646	98
1717	Gut microbiome-derived metabolites modulate intestinal epithelial cell damage and mitigate graft-versus-host disease. 2016 , 17, 505-513	366
1716	The diet-microbiota-metabolite axis regulates the host physiology. 2016 , 160, 1-10	15
1715	Functional Redundancy-Induced Stability of Gut Microbiota Subjected to Disturbance. 2016 , 24, 402-413	259
1714	Potential of lactoferrin to prevent antibiotic-induced Clostridium difficile infection. 2016 , 71, 975-85	16
1713	The maternal microbiota drives early postnatal innate immune development. 2016 , 351, 1296-302	635
1712	Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. 2016 , 306, 343-355	97
1711	Indigenous microbiota and Leishmaniasis. 2016 , 38, 37-44	15
1710	Treg subsets in inflammatory bowel disease and colorectal carcinoma: Characteristics, role, and therapeutic targets. 2016 , 31, 1393-404	19
1709	Obesity, Asthma, and the Microbiome. 2016 , 31, 108-16	22
1708	Host-derived glycans serve as selected nutrients for the gut microbe: human milk oligosaccharides and bifidobacteria. 2016 , 80, 621-32	58
1707	Harnessing the plasticity of CD4(+) T cells to treat immune-mediated disease. 2016 , 16, 149-63	286

1706	Dysbiosis in gastrointestinal disorders. 2016 , 30, 3-15	65
1705	Apoptotic epithelial cells control the abundance of Treg cells at barrier surfaces. 2016 , 17, 441-50	43
1704	Probiotics and prebiotics in Crohn's disease therapies. 2016 , 30, 81-8	34
1703	Detecting Microbial Dysbiosis Associated with Pediatric Crohn Disease Despite the High Variability of the Gut Microbiota. 2016 , 14, 945-955	36
1702	Prostaglandin E-Major Urinary Metabolite as a Biomarker for Inflammation in Ulcerative Colitis: Prostaglandins Revisited. 2016 , 93, 32-9	15
1701	Physiological Role of Gut Microbiota for Maintaining Human Health. 2016 , 93, 176-81	61
1700	The Intestinal Immune System in Obesity and Insulin Resistance. 2016 , 23, 413-26	249
1699	Isovaleric acid in stool correlates with human depression. 2016 , 19, 279-83	72
1698	Microbial transmission from mothers with obesity or diabetes to infants: an innovative opportunity to interrupt a vicious cycle. 2016 , 59, 895-906	49
1697	Chronically Elevated Levels of Short-Chain Fatty Acids Induce T Cell-Mediated Ureteritis and Hydronephrosis. 2016 , 196, 2388-400	88
1696	Fecal dysbiosis in miniature dachshunds with inflammatory colorectal polyps. 2016 , 105, 41-6	13
1695	Gut microbiome as a novel cardiovascular therapeutic target. 2016 , 27, 8-12	41
1694	Metabolomics connects aberrant bioenergetic, transmethylation, and gut microbiota in sarcoidosis. 2016 , 12, 1	13
1693	Human microbial metabolites as a source of new drugs. 2016 , 21, 692-8	15
1692	Microbiota and arthritis: correlations or cause?. 2016 , 28, 161-7	13
1691	Chili Peppers, Curcumins, and Prebiotics in Gastrointestinal Health and Disease. 2016 , 18, 19	18
1690	Reprint of: Acute Graft-versus-Host Disease: Novel Biological Insights. 2016 , 22, S3-8	10
1689	Posttraumatic Stress Disorder: Does the Gut Microbiome Hold the Key?. 2016 , 61, 204-13	51

(2016-2016)

1688	Knockout Mice. 2016 , 10, 1076-86	42
1687	Signaling in Host-Associated Microbial Communities. 2016 , 164, 1288-1300	94
1686	Crosstalk between microbiota, pathogens and the innate immune responses. 2016 , 306, 257-265	27
1685	Hallmarks of Tissue-Resident Lymphocytes. 2016 , 164, 1198-1211	221
1684	Formation of short chain fatty acids by the gut microbiota and their impact on human metabolism. 2016 , 7, 189-200	1227
1683	Roles of transcription factors and epigenetic modifications in differentiation and maintenance of regulatory T cells. 2016 , 18, 378-386	27
1682	Induction of regulatory T cells: A role for probiotics and prebiotics to suppress autoimmunity. 2016 , 15, 379-92	84
1681	Physical exercise modulates the homeostasis of human regulatory T cells. 2016 , 137, 1607-1610.e8	49
1680	A Critical Look at Prebiotics Within the Dietary Fiber Concept. 2016 , 7, 167-90	92
1679	Mechanisms Underlying Induction of Tolerance to Foods. 2016 , 36, 87-102	42
,,	Mechanisms Underlying Induction of Tolerance to Foods. 2016 , 36, 87-102 Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. 2016 , 65, 365-7	16
,,		
1678	Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. 2016 , 65, 365-7 Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in	16
1678 1677	Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. 2016 , 65, 365-7 Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants. 2016 , 10, 742-50 The effect of Clostridium butyricum MIYAIRI on the prevention of pouchitis and alteration of the	16 251
1678 1677 1676	Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. 2016, 65, 365-7 Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants. 2016, 10, 742-50 The effect of Clostridium butyricum MIYAIRI on the prevention of pouchitis and alteration of the microbiota profile in patients with ulcerative colitis. 2016, 46, 939-49 Acute Graft-versus-Host Disease: Novel Biological Insights. 2016, 22, 11-6	16 251 61
1678 1677 1676	Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. 2016, 65, 365-7 Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants. 2016, 10, 742-50 The effect of Clostridium butyricum MIYAIRI on the prevention of pouchitis and alteration of the microbiota profile in patients with ulcerative colitis. 2016, 46, 939-49 Acute Graft-versus-Host Disease: Novel Biological Insights. 2016, 22, 11-6	162516170
1678 1677 1676 1675	Real friends: Faecalibacterium prausnitzii supports mucosal immune homeostasis. 2016, 65, 365-7 Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants. 2016, 10, 742-50 The effect of Clostridium butyricum MIYAIRI on the prevention of pouchitis and alteration of the microbiota profile in patients with ulcerative colitis. 2016, 46, 939-49 Acute Graft-versus-Host Disease: Novel Biological Insights. 2016, 22, 11-6 Re-discovering periodontal butyric acid: New insights on an old metabolite. 2016, 94, 48-53	16251617010

1670	Fatty acids as modulators of neutrophil recruitment, function and survival. 2016 , 785, 50-58	53
1669	Role of intestinal microbiota in the development of multiple sclerosis. 2017 , 32, 175-184	19
1668	The Role of the Microbial Metabolites Including Tryptophan Catabolites and Short Chain Fatty Acids in the Pathophysiology of Immune-Inflammatory and Neuroimmune Disease. 2017 , 54, 4432-4451	120
1667	Gut microbiota and hematopoietic stem cell transplantation: where do we stand?. 2017 , 52, 7-14	39
1666	Interplay between diet, gut microbiota, epigenetic events, and colorectal cancer. 2017, 61, 1500902	129
1665	Gut commensal Bacteroides acidifaciens prevents obesity and improves insulin sensitivity in mice. 2017 , 10, 104-116	181
1664	Microbiome of HIV-infected people. 2017 , 106, 85-93	25
1663	Diet, gut microbes, and the pathogenesis of inflammatory bowel diseases. 2017 , 61, 1600129	67
1662	Gut microbiota, diet, and obesity-related disorders-The good, the bad, and the future challenges. 2017 , 61, 1600252	106
1661	The mucosal immune system: master regulator of bidirectional gut-brain communications. 2017 , 14, 143-159	175
1660	The first model of keeping energy balance and optimal psycho affective development: Breastfed infants. 2017 , 224, 10-15	9
1660 1659		9
1659	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal	
1659	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal Tolerogenic Dendritic Cells. 2017 , 198, 2172-2181	112
1659 1658 1657	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal Tolerogenic Dendritic Cells. 2017, 198, 2172-2181 Host-microbiota interactions: epigenomic regulation. 2017, 44, 52-60	11257
1659 1658 1657	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal Tolerogenic Dendritic Cells. 2017, 198, 2172-2181 Host-microbiota interactions: epigenomic regulation. 2017, 44, 52-60 Can probiotics modulate human disease by impacting intestinal barrier function?. 2017, 117, 93-107	11257218
1659 1658 1657 1656	Diet-Derived Short Chain Fatty Acids Stimulate Intestinal Epithelial Cells To Induce Mucosal Tolerogenic Dendritic Cells. 2017, 198, 2172-2181 Host-microbiota interactions: epigenomic regulation. 2017, 44, 52-60 Can probiotics modulate human disease by impacting intestinal barrier function?. 2017, 117, 93-107 MicroRNAs and the metabolic hallmarks of aging. 2017, 455, 131-147 Burn injury influences the T cell homeostasis in a butyrate-acid sphingomyelinase dependent	1125721837

1652	The Influence of the Microbiome on Allergic Sensitization to Food. 2017 , 198, 581-589	59
1651	Host-Microbiota Interactions Shape Local and Systemic Inflammatory Diseases. 2017 , 198, 564-571	65
1650	An expanding stage for commensal microbes in host immune regulation. 2017 , 14, 339-348	26
1649	Immunity to Commensal Fungi: Detente and Disease. 2017 , 12, 359-385	59
1648	Inside Out: HIV, the Gut Microbiome, and the Mucosal Immune System. 2017 , 198, 605-614	43
1647	Embracing the gut microbiota: the new frontier for inflammatory and infectious diseases. 2017 , 6, e125	72
1646	A novel LCMSMS method for quantitative measurement of short-chain fatty acids in human stool derivatized with C- and C-labelled aniline. 2017 , 138, 43-53	41
1645	Bacterial short-chain fatty acid metabolites modulate the inflammatory response against infectious bacteria. 2017 , 19, e12720	37
1644	Asthma and the microbiome:. 2017 , 13, 3	85
1643	Helicobacter pylori infection is associated with an altered gastric microbiota in children. 2017 , 10, 1169-1177	59
1643 1642	Helicobacter pylori infection is associated with an altered gastric microbiota in children. 2017 , 10, 1169-1177 The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. 2017 , 8, 351-358	59 8 ₇
15	The influence of proton pump inhibitors and other commonly used medication on the gut	
1642 1641	The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. 2017 , 8, 351-358 Target Intestinal Microbiota to Alleviate Disease Progression in Amyotrophic Lateral Sclerosis.	87
1642 1641 1640	The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. 2017 , 8, 351-358 Target Intestinal Microbiota to Alleviate Disease Progression in Amyotrophic Lateral Sclerosis. 2017 , 39, 322-336	87
1642 1641 1640	The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. 2017, 8, 351-358 Target Intestinal Microbiota to Alleviate Disease Progression in Amyotrophic Lateral Sclerosis. 2017, 39, 322-336 The microbiome and systemic lupus erythematosus. 2017, 65, 432-437	87 118 33
1642 1641 1640 1639	The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. 2017, 8, 351-358 Target Intestinal Microbiota to Alleviate Disease Progression in Amyotrophic Lateral Sclerosis. 2017, 39, 322-336 The microbiome and systemic lupus erythematosus. 2017, 65, 432-437 The role of the gut microbiota in sepsis. 2017, 2, 135-143	87 118 33
1642 1641 1640 1639	The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. 2017, 8, 351-358 Target Intestinal Microbiota to Alleviate Disease Progression in Amyotrophic Lateral Sclerosis. 2017, 39, 322-336 The microbiome and systemic lupus erythematosus. 2017, 65, 432-437 The role of the gut microbiota in sepsis. 2017, 2, 135-143 Regulation of Innate and Adaptive Immunity by TGF©2017, 134, 137-233 Eggshell membrane powder ameliorates intestinal inflammation by facilitating the restitution of	87 118 33 117 69

1634	Homeostasis of the gut barrier and potential biomarkers. 2017 , 312, G171-G193	240
1633	Probiotic mixture VSL#3 reduces colonic inflammation and improves intestinal barrier function in Muc2 mucin-deficient mice. 2017 , 312, G34-G45	52
1632	Tissue tolerance: a distinct concept to control acute GVHD severity. 2017 , 129, 1747-1752	33
1631	Dysbiosis and the immune system. 2017 , 17, 219-232	642
1630	Quality assurance and quality control processes: summary of a metabolomics community questionnaire. 2017 , 13, 1	38
1629	Divergent Relationships between Fecal Microbiota and Metabolome following Distinct Antibiotic-Induced Disruptions. 2017 , 2,	18
1628	Dietary fibres modulate the composition and activity of butyrate-producing bacteria in the large intestine of suckling piglets. 2017 , 110, 687-696	25
1627	Elimination diets' efficacy and mechanisms in attention deficit hyperactivity disorder and autism spectrum disorder. 2017 , 26, 1067-1079	38
1626	The Gut Microbiome and Metabolic Health. 2017 , 6, 16-23	4
1625	Inflammatory disease caused by intestinal pathobionts. 2017 , 35, 64-69	42
1624	Microbiota Disruption Induced by Early Use of Broad-Spectrum Antibiotics Is an Independent Risk Factor of Outcome after Allogeneic Stem Cell Transplantation. 2017 , 23, 845-852	133
1623	Roles of the intestinal microbiota in pathogen protection. 2017 , 6, e128	108
1622	Parkinson's disease and Parkinson's disease medications have distinct signatures of the gut microbiome. 2017 , 32, 739-749	405
1621	Influence of diet on the gut microbiome and implications for human health. 2017, 15, 73	983
1620	Role of short-chain fatty acids in colonic inflammation, carcinogenesis, and mucosal protection and healing. 2017 , 75, 286-305	156
1619	Transforming growth factor [la master regulator of the gut microbiota and immune cell interactions. 2017 , 6, e136	52
1618	Tissue adaptation: Implications for gut immunity and tolerance. 2017 , 214, 1211-1226	30
1617	Evaluation of the impact of gut microbiota on uremic solute accumulation by a CE-TOFMS-based metabolomics approach. 2017 , 92, 634-645	104

(2017-2017)

1616	Regionalized Development and Maintenance of the Intestinal Adaptive Immune Landscape. 2017 , 46, 532-548	88
1615	Homeostatic Immunity and the Microbiota. 2017 , 46, 562-576	515
1614	Early life factors that affect allergy development. 2017 , 17, 518-528	77
1613	Compositional Changes in the Gut Mucus Microbiota Precede the Onset of Colitis-Induced Inflammation. 2017 , 23, 912-922	33
1612	Dietary, nondigestible oligosaccharides and M-16V suppress allergic inflammation in intestine via targeting dendritic cell maturation. 2017 , 102, 105-115	28
1611	Comprehensive evaluation of SCFA production in the intestinal bacteria regulated by berberine using gas-chromatography combined with polymerase chain reaction. 2017 , 1057, 70-80	34
1610	The role of the microbiome in cancer development and therapy. 2017 , 67, 326-344	277
1609	Innate Control of Adaptive Immunity: Beyond the Three-Signal Paradigm. 2017 , 198, 3791-3800	94
1608	Reduction in fecal microbiota diversity and short-chain fatty acid producers in Methicillin-resistant Staphylococcus aureus infected individuals as revealed by PacBio single molecule, real-time sequencing technology. 2017 , 36, 1463-1472	16
1607	Segmented filamentous bacteria, Th17 inducers and helpers in a hostile world. 2017 , 35, 100-109	45
1606	Dietary metabolites derived from gut microbiota: critical modulators of epigenetic changes in mammals. 2017 , 75, 374-389	109
1605	Metabolic Instruction of Immunity. 2017 , 169, 570-586	571
1604	Metabolite-Sensing G Protein-Coupled Receptors-Facilitators of Diet-Related Immune Regulation. 2017 , 35, 371-402	141
1603	In vitro and in vivo evaluation of the probiotic attributes of Lactobacillus kefiranofaciens XL10 isolated from Tibetan kefir grain. 2017 , 101, 2467-2477	21
1602	Normal human gingival fibroblasts undergo cytostasis and apoptosis after long-term exposure to butyric acid. 2017 , 482, 1122-1128	11
1601	Integrative analysis of DNA methylation and gene expression in butyrate-treated CHO cells. 2017 , 257, 150-161	14
1600	Understanding the Holobiont: How Microbial Metabolites Affect Human Health and Shape the Immune System. 2017 , 26, 110-130	370
1599	Gut Microbiome and Bone: to Build, Destroy, or Both?. 2017 , 15, 376-384	44

1598	Unique aspects of the perinatal immune system. 2017 , 17, 495-507	118
1597	Alteration of the gut microbiota in Chinese population with chronic kidney disease. 2017 , 7, 2870	101
1596	Introduction to the human gut microbiota. 2017 , 474, 1823-1836	1049
1595	Chronic Psychosocial Stress and Gut Health in Children: Associations With Calprotectin and Fecal Short-Chain Fatty Acids. 2017 , 79, 927-935	23
1594	Anticancer effects of the microbiome and its products. 2017 , 15, 465-478	257
1593	The Enteric Network: Interactions between the Immune and Nervous Systems of the Gut. 2017 , 46, 910-926	207
1592	The multiple pathways to autoimmunity. 2017 , 18, 716-724	258
1591	Brain Autoimmunity and Intestinal Microbiota: 100 Trillion Game Changers. 2017, 38, 483-497	59
1590	Global metabolic interaction network of the human gut microbiota for context-specific community-scale analysis. 2017 , 8, 15393	129
1589	Epigenetics and type 1 diabetes: mechanisms and translational applications. 2017 , 185, 85-93	33
1588	TGF-IIn inflammatory bowel disease: a key regulator of immune cells, epithelium, and the intestinal microbiota. 2017 , 52, 777-787	110
1587	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. 2017 , 199, 312-322	11
1586	Gut Microbiota Mediates the Protective Effects of Dietary Capsaicin against Chronic Low-Grade Inflammation and Associated Obesity Induced by High-Fat Diet. 2017 , 8,	105
1585	Mechanisms of tolerance and potential therapeutic interventions in Alopecia Areata. 2017 , 179, 102-110	9
1584	Roles of intestinal epithelial cells in the maintenance of gut homeostasis. 2017, 49, e338	260
1583	Influence of nutrition therapy on the intestinal microbiome. 2017 , 20, 131-137	23
1582	Intestinal dysbiosis and probiotic applications in autoimmune diseases. 2017 , 152, 1-12	148
1581	Gut microbiota and acute graft-versus-host disease. 2017 , 122, 90-95	8

1580	How nutrition and the maternal microbiota shape the neonatal immune system. 2017 , 17, 508-517	176
1579	Guar gum fiber increases suppressor of cytokine signaling-1 expression via toll-like receptor 2 and dectin-1 pathways, regulating inflammatory response in small intestinal epithelial cells. 2017 , 61, 1700048	11
1578	Enteric Helminths Promote Salmonella Coinfection by Altering the Intestinal Metabolome. 2017 , 215, 1245-1254	41
1577	Airway microbial dysbiosis in asthmatic patients: A target for prevention and treatment?. 2017 , 139, 1071-108	31 ₇ 8
1576	MYC and HIF in shaping immune response and immune metabolism. 2017 , 35, 63-70	45
1575	Microbiome effects on immunity, health and disease in the lung. 2017 , 6, e133	151
1574	Epigenetics and allergy: from basic mechanisms to clinical applications. 2017 , 9, 539-571	134
1573	Gut microbiota and bacterial translocation in digestive surgery: the impact of probiotics. 2017 , 402, 401-416	9
1572	Integration of microbiome and epigenome to decipher the pathogenesis of autoimmune diseases. 2017 , 83, 31-42	78
1571	Role of intestinal microbiota in the development of multiple sclerosis. 2017 , 32, 175-184	8
1570	Gut microbial metabolites limit the frequency of autoimmune T cells and protect against type 1 diabetes. 2017 , 18, 552-562	367
1569	The Yin and Yang of regulatory T cells in infectious diseases and avenues to target them. 2017 , 19, e12746	28
1568	Characterization of the Fecal Bacterial Microbiota of Healthy and Diarrheic Dairy Calves. 2017 , 31, 928-939	58
1567	Gut microbiota and renal transplant outcome. 2017 , 90, 229-236	27
1566	Gut Microbiota in Cardiovascular Health and Disease. 2017 , 120, 1183-1196	678
1565	Lactobacillus johnsonii supplementation attenuates respiratory viral infection via metabolic reprogramming and immune cell modulation. 2017 , 10, 1569-1580	48
1564	Can Consideration of the Microbiome Improve Antimicrobial Utilization and Treatment Outcomes in the Oncology Patient?. 2017 , 23, 3263-3268	21
1563	Nutritional control of IL-23/Th17-mediated autoimmune disease through HO-1/STAT3 activation. 2017 , 7, 44482	22

1562	Metabolites: deciphering the molecular language between DCs and their environment. 2017 , 39, 177-198	5
1561	Oscillospira and related bacteria - From metagenomic species to metabolic features. 2017 , 19, 835-841	160
1560	Electrochemical reverse engineering: A systems-level tool to probe the redox-based molecular communication of biology. 2017 , 105, 110-131	25
1559	Proinflammatory cytokine interferon-land microbiome-derived metabolites dictate epigenetic switch between forkhead box protein 3 isoforms in coeliac disease. 2017 , 187, 490-506	38
1558	Planting the seed: Origins, composition, and postnatal health significance of the fetal gastrointestinal microbiota. 2017 , 43, 352-369	89
1557	Biology of the Microbiome 1: Interactions with the Host Immune Response. 2017 , 46, 19-35	26
1556	Resetting microbiota by Lactobacillus reuteri inhibits T reg deficiency-induced autoimmunity via adenosine A2A receptors. 2017 , 214, 107-123	85
1555	The Functional Stability of FOXP3 and RORlin Treg and Th17 and Their Therapeutic Applications. 2017 , 107, 155-189	35
1554	Comparison of three different application routes of butyrate to improve colonic anastomotic strength in rats. 2017 , 32, 305-313	12
1553	Patenting the microbiome: trends, challenges and insights. 2017 , 6, 273-282	1
1552	NMR window of molecular complexity showing homeostasis in superorganisms. 2017 , 142, 4161-4172	15
1551	Modulating Effects of Dicaffeoylquinic Acids from Ilex kudingcha on Intestinal Microecology in Vitro. 2017 , 65, 10185-10196	47
1551 1550		
	Vitro. 2017 , 65, 10185-10196 Attenuation of CD4CD25 Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type	47
1550	Vitro. 2017, 65, 10185-10196 Attenuation of CD4CD25 Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. 2017, 25, 154-164 Effects of Synbiotics to Prevent Postoperative Infectious Complications in Highly Invasive	47 65
1550 1549	Attenuation of CD4CD25 Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. 2017, 25, 154-164 Effects of Synbiotics to Prevent Postoperative Infectious Complications in Highly Invasive Abdominal Surgery. 2017, 71 Suppl 1, 23-30 Maternal High Fiber Diet during Pregnancy and Lactation Influences Regulatory T Cell	47 65 4
1550 1549 1548	Attenuation of CD4CD25 Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. 2017, 25, 154-164 Effects of Synbiotics to Prevent Postoperative Infectious Complications in Highly Invasive Abdominal Surgery. 2017, 71 Suppl 1, 23-30 Maternal High Fiber Diet during Pregnancy and Lactation Influences Regulatory T Cell Differentiation in Offspring in Mice. 2017, 199, 3516-3524	47 65 4 59

(2017-2017)

Functional evaluation of yuzu (Citrus junos) extracts containing limonoids and polyamine for life extension. 2017 , 38, 591-600	3
The maternal microbiome during pregnancy and allergic disease in the offspring. 2017 , 39, 669-675	54
The Intersection of Immune Responses, Microbiota, and Pathogenesis in Giardiasis. 2017 , 33, 901-913	66
Development of the gut microbiota in infancy and its impact on health in later life. 2017 , 66, 515-522	238
species are potent drivers of colonic T cell responses in homeostasis and inflammation. 2017 , 2,	69
Butyrate Supplementation at High Concentrations Alters Enteric Bacterial Communities and Reduces Intestinal Inflammation in Mice Infected with. 2017 , 2,	52
Gut microbiota: Role in pathogen colonization, immune responses, and inflammatory disease. 2017 , 279, 70-89	515
Building conventions for unconventional lymphocytes. 2017 , 279, 52-62	15
Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. 2017 , 279, 8-22	57
Role of the gastrointestinal microbiota in small animal health and disease. 2017 , 181, 370	35
Regulation of Inflammatory Signaling in Health and Disease. 2017 ,	4
Foundations of Immunometabolism and Implications for Metabolic Health and Disease. 2017 , 47, 406-420	217
Microbial Factors in Inflammatory Diseases and Cancers. 2017 , 1024, 153-174	14
Biochemical Mechanisms of Pathogen Restriction by Intestinal Bacteria. 2017 , 42, 887-898	22
The immunology of the allergy epidemic and the hygiene hypothesis. 2017 , 18, 1076-1083	195
Short chain fatty acids ameliorate immune-mediated uveitis partially by altering migration of lymphocytes from the intestine. 2017 , 7, 11745	68
Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. 2017 , 7, 10767	94
Microbial-Derived Butyrate Promotes Epithelial Barrier Function through IL-10 Receptor-Dependent Repression of Claudin-2. 2017 , 199, 2976-2984	189
	Extension. 2017, 38, 591-600 The maternal microbiome during pregnancy and allergic disease in the offspring. 2017, 39, 669-675 The Intersection of Immune Responses, Microbiota, and Pathogenesis in Giardiasis. 2017, 33, 901-913 Development of the gut microbiota in infancy and its impact on health in later life. 2017, 66, 515-522 species are potent drivers of colonic T cell responses in homeostasis and inflammation. 2017, 2, Butyrate Supplementation at High Concentrations Alters Enteric Bacterial Communities and Reduces Intestinal Inflammation in Mice Infected with. 2017, 2, Gut microbiota: Role in pathogen colonization, immune responses, and inflammatory disease. 2017, 279, 70-89 Building conventions for unconventional lymphocytes. 2017, 279, 52-62 Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. 2017, 279, 8-22 Role of the gastrointestinal microbiota in small animal health and disease. 2017, 181, 370 Regulation of Inflammatory Signaling in Health and Disease. 2017, Foundations of Immunometabolism and Implications for Metabolic Health and Disease. 2017, 47, 406-420 Microbial Factors in Inflammatory Diseases and Cancers. 2017, 1024, 153-174 Biochemical Mechanisms of Pathogen Restriction by Intestinal Bacteria. 2017, 42, 887-898 The immunology of the allergy epidemic and the hygiene hypothesis. 2017, 18, 1076-1083 Short chain fatty acids ameliorate immune-mediated uveitis partially by altering migration of lymphocytes from the intestine. 2017, 7, 11745 Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. 2017, 7, 10767

1526	Bugging allergy; role of pre-, pro- and synbiotics in allergy prevention. 2017 , 66, 529-538	55
1525	The intricate connection between diet, microbiota, and cancer: A jigsaw puzzle. 2017 , 32, 35-42	15
1524	Antibiotic-induced perturbations in microbial diversity during post-natal development alters amyloid pathology in an aged APP/PS1 murine model of Alzheimer's disease. 2017 , 7, 10411	133
1523	Stability in metabolic phenotypes and inferred metagenome profiles before the onset of colitis-induced inflammation. 2017 , 7, 8836	9
1522	Metabolism in Immune Cell Differentiation and Function. 2017 , 1011, 1-85	10
1521	Human monocytes downregulate innate response receptors following exposure to the microbial metabolite n-butyrate. 2017 , 5, 480-492	14
1520	Welcomes the New Microbiology. 2017 , 85,	3
1519	Impact of the Microbiota on Bacterial Infections during Cancer Treatment. 2017 , 25, 992-1004	23
1518	Empirical modeling of T cell activation predicts interplay of host cytokines and bacterial indole. 2017 , 114, 2660-2667	9
1517	Heterogeneity and Stability in Foxp3+ Regulatory T Cells. 2017 , 37, 386-397	18
1517 1516	Heterogeneity and Stability in Foxp3+ Regulatory T Cells. 2017, 37, 386-397 Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. 2017, 32, 1804-1812	18
,	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse	
1516	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. 2017 , 32, 1804-1812 Checkpoint kinase 2 is dispensable for regulation of the p53 response but is required for G/M arrest	14
1516 1515	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. 2017 , 32, 1804-1812 Checkpoint kinase 2 is dispensable for regulation of the p53 response but is required for G/M arrest and cell survival in cells with p53 defects under heat stress. 2017 , 22, 1225-1234 A probiotic Bacillus strain containing amorphous poly-beta-hydroxybutyrate (PHB) stimulates the	14 9
1516 1515 1514	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. 2017, 32, 1804-1812 Checkpoint kinase 2 is dispensable for regulation of the p53 response but is required for G/M arrest and cell survival in cells with p53 defects under heat stress. 2017, 22, 1225-1234 A probiotic Bacillus strain containing amorphous poly-beta-hydroxybutyrate (PHB) stimulates the innate immune response of Penaeus monodon postlarvae. 2017, 68, 202-210	14 9 16
1516 1515 1514 1513	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. 2017, 32, 1804-1812 Checkpoint kinase 2 is dispensable for regulation of the p53 response but is required for G/M arrest and cell survival in cells with p53 defects under heat stress. 2017, 22, 1225-1234 A probiotic Bacillus strain containing amorphous poly-beta-hydroxybutyrate (PHB) stimulates the innate immune response of Penaeus monodon postlarvae. 2017, 68, 202-210 Exercise and gut microbiota: clinical implications for the feasibility of Tai Chi. 2017, 15, 270-281 Induction and maintenance of regulatory T cells by transcription factors and epigenetic	14 9 16
1516 1515 1514 1513 1512	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. 2017, 32, 1804-1812 Checkpoint kinase 2 is dispensable for regulation of the p53 response but is required for G/M arrest and cell survival in cells with p53 defects under heat stress. 2017, 22, 1225-1234 A probiotic Bacillus strain containing amorphous poly-beta-hydroxybutyrate (PHB) stimulates the innate immune response of Penaeus monodon postlarvae. 2017, 68, 202-210 Exercise and gut microbiota: clinical implications for the feasibility of Tai Chi. 2017, 15, 270-281 Induction and maintenance of regulatory T cells by transcription factors and epigenetic modifications. 2017, 83, 113-121	14 9 16 15

1508	The regulation of immune tolerance by FOXP3. 2017 , 17, 703-717	274
1507	Antigen-specific regulatory T-cell responses to intestinal microbiota. 2017 , 10, 1375-1386	62
1506	Richer gut microbiota with distinct metabolic profile in HIV infected Elite Controllers. 2017, 7, 6269	56
1505	Role of gut microbiota in idiopathic nephrotic syndrome in children. 2017 , 108, 35-37	10
1504	Impact of Childhood Malnutrition on Host Defense and Infection. 2017, 30, 919-971	114
1503	Low abundance of colonic butyrate-producing bacteria in HIV infection is associated with microbial translocation and immune activation. 2017 , 31, 511-521	80
1502	Synbiotic approaches to human health and well-being. 2017 , 10, 1070-1073	14
1501	Gut microbiome response to short-term dietary interventions in reactive hypoglycemia subjects. 2017 , 33, e2927	10
1500	Citrus pectin attenuates endotoxin shock via suppression of Toll-like receptor signaling in Peyer's patch myeloid cells. 2017 , 50, 38-45	33
1499	In Silico and in Vitro Interactions between Short Chain Fatty Acids and Human Histone Deacetylases. 2017 , 56, 4871-4878	5
1499	Deacetylases. 2017 , 56, 4871-4878	300
	Deacetylases. 2017 , 56, 4871-4878	
1498	induces gut intraepithelial CD4CD8ET cells. 2017, 357, 806-810 The microbial metabolite desaminotyrosine protects from influenza through type I interferon. 2017, 357, 498-502	300
1498 1497	Deacetylases. 2017, 56, 4871-4878 induces gut intraepithelial CD4CD8ET cells. 2017, 357, 806-810 The microbial metabolite desaminotyrosine protects from influenza through type I interferon. 2017, 357, 498-502	300
1498 1497 1496	induces gut intraepithelial CD4CD8H cells. 2017, 357, 806-810 The microbial metabolite desaminotyrosine protects from influenza through type I interferon. 2017, 357, 498-502 Microbiota-activated PPAR-Bignaling inhibits dysbiotic Enterobacteriaceae expansion. 2017, 357, 570-575 Use of Gifu Anaerobic Medium for culturing 32 dominant species of human gut microbes and its	300 248 469
1498 1497 1496 1495	induces gut intraepithelial CD4CD8FT cells. 2017, 357, 806-810 The microbial metabolite desaminotyrosine protects from influenza through type I interferon. 2017, 357, 498-502 Microbiota-activated PPAR-Bignaling inhibits dysbiotic Enterobacteriaceae expansion. 2017, 357, 570-575 Use of Gifu Anaerobic Medium for culturing 32 dominant species of human gut microbes and its evaluation based on short-chain fatty acids fermentation profiles. 2017, 81, 2009-2017 Signatures in the gut microbiota of Japanese infants who developed food allergies in early	300 248 469 28
1498 1497 1496 1495	induces gut intraepithelial CD4CD8ET cells. 2017, 357, 806-810 The microbial metabolite desaminotyrosine protects from influenza through type I interferon. 2017, 357, 498-502 Microbiota-activated PPAR-Bignaling inhibits dysbiotic Enterobacteriaceae expansion. 2017, 357, 570-575 Use of Gifu Anaerobic Medium for culturing 32 dominant species of human gut microbes and its evaluation based on short-chain fatty acids fermentation profiles. 2017, 81, 2009-2017 Signatures in the gut microbiota of Japanese infants who developed food allergies in early childhood. 2017, 93, Microbial antigen encounter during a preweaning interval is critical for tolerance to gut bacteria.	300 248 469 28

1490	Total Lipopolysaccharide from the Human Gut Microbiome Silences Toll-Like Receptor Signaling. 2017 , 2,	124
1489	Dietary Fructo-Oligosaccharides Attenuate Early Activation of CD4+ T Cells Which Produce both Th1 and Th2 Cytokines in the Intestinal Lymphoid Tissues of a Murine Food Allergy Model. 2017 , 174, 121-132	19
1488	The Aryl Hydrocarbon Receptor Preferentially Marks and Promotes Gut Regulatory T Cells. 2017 , 21, 2277-2290	86
1487	Gut Microbiota in Health and Disease. 2017 , 71, 242-246	49
1486	Diet, Gut Microbiota, and Colorectal Cancer Prevention: A Review of Potential Mechanisms and Promising Targets for Future Research. 2017 , 13, 429-439	25
1485	Bone Mechanical Function and the Gut Microbiota. 2017 , 1033, 249-270	7
1484	Mucosal biopsy shows immunologic changes of the colon in patients with early MS. 2017, 4, e362	3
1483	The influence of the commensal microbiota on distal tumor-promoting inflammation. 2017 , 32, 62-73	17
1482	Gut microbiome, metabolome, and allergic diseases. 2017 , 66, 523-528	50
1481	Effects of Individual and Combined Pesticide Commercial Formulations Exposure to Egestion and Movement of Common Freshwater Snails, Physa acuta and Helisoma anceps. 2017 , 178, 97-111	6
1480	The microbiota and autoimmunity: Their role in thyroid autoimmune diseases. 2017 , 183, 63-74	54
1479	Integrated meta-omic analyses of the gastrointestinal tract microbiome in patients undergoing allogeneic hematopoietic stem cell transplantation. 2017 , 186, 79-94.e1	16
1478	Sodium butyrate regulates Th17/Treg cell balance to ameliorate uveitis via the Nrf2/HO-1 pathway. 2017 , 142, 111-119	41
1477	Microbiota-derived butyrate suppresses group 3 innate lymphoid cells in terminal ileal Peyer's patches. 2017 , 7, 3980	49
1476	Stabilization of Foxp3 expression by CRISPR-dCas9-based epigenome editing in mouse primary T cells. 2017 , 10, 24	68
1475	Two distinct metacommunities characterize the gut microbiota in Crohn's disease patients. 2017 , 6, 1-11	40
1474	Pathogenic T cell subsets in allergic and chronic inflammatory bowel disorders. 2017 , 278, 263-276	15
1473	An exposome perspective: Early-life events and immune development in a changing world. 2017 , 140, 24-40	101

1472	The environment, epigenome, and asthma. 2017 , 140, 14-23	92
1471	Cooperation between the bacterial-derived short-chain fatty acid butyrate and interleukin-22 detected in human Caco2 colon epithelial/carcinoma cells. 2017 , 43, 283-292	9
1470	Prebiotic potential of L-sorbose and xylitol in promoting the growth and metabolic activity of specific butyrate-producing bacteria in human fecal culture. 2017 , 93,	21
1469	Gut microbiota modulate host immune cells in cancer development and growth. 2017 , 105, 28-34	18
1468	Enteral High Fat-Polyunsaturated Fatty Acid Blend Alters the Pathogen Composition of the Intestinal Microbiome in Premature Infants with an Enterostomy. 2017 , 181, 93-101.e6	32
1467	Roles for Intestinal Bacteria, Viruses, and Fungi in Pathogenesis of Inflammatory Bowel Diseases and Therapeutic Approaches. 2017 , 152, 327-339.e4	407
1466	Feeding the microbiota-gut-brain axis: diet, microbiome, and neuropsychiatry. 2017, 179, 223-244	243
1465	The long and winding road to IgA deficiency: causes and consequences. 2017 , 13, 371-382	12
1464	Antibiotic-mediated modification of the intestinal microbiome in allogeneic hematopoietic stem cell transplantation. 2017 , 52, 183-190	35
1463	Regulatory T Cells: Central Concepts from Ontogeny to Therapy. 2017 , 31, 36-44	9
1462	Reduced Mucosa-associated Butyricicoccus Activity in Patients with Ulcerative Colitis Correlates with Aberrant Claudin-1 Expression. 2017 , 11, 229-236	50
1461	The Origins of Allergic Disease. 2017 , 29-50	1
1460	Diet, gut microbiota and cognition. 2017 , 32, 1-17	72
1459	Emerging pathogenic links between microbiota and the gut-lung axis. 2017 , 15, 55-63	579
1458	On the pathogenesis of insulin-dependent diabetes mellitus: the role of microbiota. 2017 , 65, 242-256	15
1457	Microbiota metabolite short chain fatty acids, GPCR, and inflammatory bowel diseases. 2017 , 52, 1-8	356
1456	Maternal dietary intake in pregnancy and lactation and allergic disease outcomes in offspring. 2017 , 28, 135-143	33
1455	The Short-Chain Fatty Acid Sodium Butyrate Functions as a Regulator of the Skin Immune System. 2017 , 137, 855-864	100

1454	Pathophysiology of Intestinal Na/H exchange. 2017 , 3, 27-40	35
1453	Interleukin-15 promotes intestinal dysbiosis with butyrate deficiency associated with increased susceptibility to colitis. 2017 , 11, 15-30	36
1452	Darmmikrobiom des Menschen: Status quo und Perspektiven. 2017 , 12, 335-349	
1451	Complementary and Alternative Medicine Strategies for Therapeutic Gut Microbiota Modulation in Inflammatory Bowel Disease and their Next-Generation Approaches. 2017 , 46, 689-729	18
1450	Functional heterogeneity of gut-resident regulatory T cells. 2017 , 6, e156	44
1449	[Intestinal immune response is regulated by gut microbe]. 2017 , 40, 408-415	5
1448	Empiric antibiotic use in allogeneic hematopoietic cell transplantation: should we avoid anaerobe coverage?. 2017 , 1, 2325-2328	8
1447	Diet and microbiota in inflammatory bowel disease: The gut in disharmony. 2017 , 23, 2124-2140	82
1446	HIV-associated changes in the enteric microbial community: potential role in loss of homeostasis and development of systemic inflammation. 2017 , 30, 31-43	52
1445	Metabolic Regulation of Immunity. 2017 , 318-326	1
1445 1444	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling	18
1444	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. 2017 , 8, 220	
1444	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. 2017 , 8, 220	18
1444	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. 2017 , 8, 220 Gut-Brain Axis in Regulation of Blood Pressure. 2017 , 8, 845	18
1444 1443 1442	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. 2017, 8, 220 Gut-Brain Axis in Regulation of Blood Pressure. 2017, 8, 845 Probiotics in Asthma and Allergy Prevention. 2017, 5, 165	18 33 40
1444 1443 1442	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. 2017, 8, 220 Gut-Brain Axis in Regulation of Blood Pressure. 2017, 8, 845 Probiotics in Asthma and Allergy Prevention. 2017, 5, 165 Gut microbiota-derived short-chain fatty acids and kidney diseases. 2017, 11, 3531-3542	18 33 40 64
1444 1443 1442 1441 1440	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. 2017, 8, 220 Gut-Brain Axis in Regulation of Blood Pressure. 2017, 8, 845 Probiotics in Asthma and Allergy Prevention. 2017, 5, 165 Gut microbiota-derived short-chain fatty acids and kidney diseases. 2017, 11, 3531-3542 Diet Hypotheses in Light of the Microbiota Revolution: New Perspectives. 2017, 9, Gut Microbiota as a Target for Preventive and Therapeutic Intervention against Food Allergy. 2017,	18 33 40 64 18

(2017-2017)

1436	Exploring the Impact of Food on the Gut Ecosystem Based on the Combination of Machine Learning and Network Visualization. 2017 , 9,	11
1435	Impact of the Respiratory Microbiome on Host Responses to Respiratory Viral Infection. 2017 , 5,	18
1434	Gastric cancer: Metabolic and metabolomics perspectives (Review). 2017 , 51, 5-17	67
1433	Gut-CNS-Axis as Possibility to Modulate Inflammatory Disease Activity-Implications for Multiple Sclerosis. 2017 , 18,	21
1432	Role of human microbiome and selected bacterial infections in the pathogenesis of rheumatoid arthritis. 2017 , 55, 242-250	20
1431	The Influence of the Microbiome on Early-Life Severe Viral Lower Respiratory Infections and Asthma-Food for Thought?. 2017 , 8, 156	30
1430	Nutrient and Metabolic Sensing in T Cell Responses. 2017 , 8, 247	51
1429	The Maternal Diet, Gut Bacteria, and Bacterial Metabolites during Pregnancy Influence Offspring Asthma. 2017 , 8, 365	49
1428	The Microbiota and Epigenetic Regulation of T Helper 17/Regulatory T Cells: In Search of a Balanced Immune System. 2017 , 8, 417	72
1427	Towards an Integrative Understanding of Diet-Host-Gut Microbiome Interactions. 2017 , 8, 538	23
1426	Detrimental Impact of Microbiota-Accessible Carbohydrate-Deprived Diet on Gut and Immune Homeostasis: An Overview. 2017 , 8, 548	73
1425	Regulatory T Cell and Forkhead Box Protein 3 as Modulators of Immune Homeostasis. 2017 , 8, 605	54
1424	Patterns of Early-Life Gut Microbial Colonization during Human Immune Development: An Ecological Perspective. 2017 , 8, 788	90
1423	The Microbial Metabolite Butyrate Induces Expression of Th1-Associated Factors in CD4 T Cells. 2017 , 8, 1036	111
1422	Human Gut Symbiont Promotes and Regulates Innate Immunity. 2017, 8, 1166	71
1421	Effects of Food Additives on Immune Cells As Contributors to Body Weight Gain and Immune-Mediated Metabolic Dysregulation. 2017 , 8, 1478	24
1420	Adenosine A Receptor Deletion Blocks the Beneficial Effects of in Regulatory T-Deficient Scurfy Mice. 2017 , 8, 1680	14
1419	Gut Microbiota Dysbiosis Drives and Implies Novel Therapeutic Strategies for Diabetes Mellitus and Related Metabolic Diseases. 2017 , 8, 1882	86

1418	Impact of Westernized Diet on Gut Microbiota in Children on Leyte Island. 2017, 8, 197	84
1417	Role of Gut Microbiota on Cardio-Metabolic Parameters and Immunity in Coronary Artery Disease Patients with and without Type-2 Diabetes Mellitus. 2017 , 8, 1936	53
1416	Dietary and Microbial Metabolites in the Regulation of Host Immunity. 2017 , 8, 2171	67
1415	Bifidobacteria and Their Molecular Communication with the Immune System. 2017 , 8, 2345	125
1414	Mechanisms Affecting the Gut of Preterm Infants in Enteral Feeding Trials. 2017, 4, 14	39
1413	Analysis of fecal short chain fatty acid concentration in miniature dachshunds with inflammatory colorectal polyps. 2017 , 79, 1727-1734	7
1412	A Review of the Oesophageal Microbiome in Health and Disease. 2017 , 19-35	2
1411	Desired Turbulence? Gut-Lung Axis, Immunity, and Lung Cancer. 2017 , 2017, 5035371	106
1410	Host-microbial Cross-talk in Inflammatory Bowel Disease. 2017 , 17, 1-12	85
1409	[Microbiome-derived butyrate alleviates intestinal graft versus host reaction]. 2017, 33, 862-864	1
1408	The dual role of short fatty acid chains in the pathogenesis of autoimmune disease models. 2017 , 12, e0173032	113
1407	Dysbiosis and compositional alterations with aging in the gut microbiota of patients with heart failure. 2017 , 12, e0174099	115
1406	Maternal treatment with short-chain fatty acids modulates the intestinal microbiota and immunity and ameliorates type 1 diabetes in the offspring. 2017 , 12, e0183786	35
1405	Obesogenic diet-induced gut barrier dysfunction and pathobiont expansion aggravate experimental colitis. 2017 , 12, e0187515	40
1404	Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens. 2017 , 12, e0188634	46
1403	The Association of Specific Constituents of the Fecal Microbiota with Immune-Mediated Brain Disease in Dogs. 2017 , 12, e0170589	19
1402	Intestinal Immunity and Gut Microbiota in Atherogenesis. 2017 , 24, 110-119	27
1401	Are Short Chain Fatty Acids in Gut Microbiota Defensive Players for Inflammation and Atherosclerosis?. 2017 , 24, 660-672	226

1400	Gut microbial metabolite short-chain fatty acids and obesity. 2017 , 36, 135-140	59
1399	Intermittent fasting prompted recovery from dextran sulfate sodium-induced colitis in mice. 2017 , 61, 100-107	7
1398	Dietary supplementation with tributyrin prevented weaned pigs from growth retardation and lethal infection via modulation of inflammatory cytokines production, ileal expression, and intestinal acetate fermentation. 2017 , 95, 226-238	15
1397	DNA Damage Induced by Ultrasound and Cellular Responses. 2017 , 06,	4
1396	Physiology and Pathology of Immune Dysregulation: Regulatory T Cells and Anergy. 2017,	1
1395	Early Nutrition and its Effect on Allergy Development. 2017 , 175-201	
1394	Microbiota Influences Vaccine and Mucosal Adjuvant Efficacy. 2017 , 17, 20-24	11
1393	Butyric acid - a well-known molecule revisited. 2017 , 12, 83-89	13
1392	Fecal microbiome in dogs with inflammatory bowel disease and intestinal lymphoma. 2017 , 79, 1840-1847	21
1391	Overview of Clostridium difficile Infection: Life Cycle, Epidemiology, Antimicrobial Resistance and Treatment. 2017 ,	3
1390	Impact of Glycosidic Bond Configuration on Short Chain Fatty Acid Production from Model Fermentable Carbohydrates by the Human Gut Microbiota. 2017 , 9,	26
1389	2. IBD and Gut Microbiota. 2017 , 106, 466-471	
1388	The Gut Microbiota and Inflammation in Rheumatoid Arthritis. 2017,	
1387	Prevention of Atherosclerosis Via Modulating Intestinal Immunity and Metabolism ~Gut Bacterial Flora and Atherosclerotic Cardiovascular Diseases~. 2017 , 13, 205-209	
1386	Diet and Microbes in the Pathogenesis of Lupus. 2017 ,	2
1385	Fiber-Rich Dietary Patterns and Colonic Microbiota in Aging and Disease. 2018 , 119-144	1
1384	Human Gut Microbiota and Gastrointestinal Cancer. 2018 , 16, 33-49	137
1383	A Cross-Talk Between Microbiota-Derived Short-Chain Fatty Acids and the Host Mucosal Immune System Regulates Intestinal Homeostasis and Inflammatory Bowel Disease. 2018 , 24, 558-572	159

1382	-, comprising green tea leaves fermented with , increases regulatory T cell production in mice and humans. 2018 , 82, 885-892	5
1381	The Gastrointestinal Microbiome: A Review. 2018 , 32, 9-25	248
1380	The effect of probiotics and polysaccharides on the gut microbiota composition and function of weaned rats. 2018 , 9, 1864-1877	15
1379	Insights into the Mechanisms That May Clarify Obesity as a Risk Factor for Multiple Sclerosis. 2018 , 18, 18	12
1378	Transcriptional regulation and development of regulatory T cells. 2018 , 50, e456	59
1377	Mind-altering with the gut: Modulation of the gut-brain axis with probiotics. 2018 , 56, 172-182	85
1376	Targeting friend and foe: Emerging therapeutics in the age of gut microbiome and disease. 2018 , 56, 183-188	12
1375	Gut: liver: brain axis: the microbial challenge in the hepatic encephalopathy. 2018 , 9, 1373-1388	35
1374	Mechanisms of Oral Tolerance. 2018 , 55, 107-117	90
1373	Type 3 regulatory T cells at the interface of symbiosis. 2018 , 56, 163-171	12
1373 1372	Type 3 regulatory T cells at the interface of symbiosis. 2018 , 56, 163-171 Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018 , 7, e1011	14
	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018 ,	
1372	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018 , 7, e1011	14
1372	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018, 7, e1011 [Asthma and the microbiome]. 2018, 35, 103-115 Fecal microbiota transplantation reverses antibiotic and chemotherapy-induced gut dysbiosis in mice. 2018, 8, 6219	14
1372 1371 1370	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018, 7, e1011 [Asthma and the microbiome]. 2018, 35, 103-115 Fecal microbiota transplantation reverses antibiotic and chemotherapy-induced gut dysbiosis in mice. 2018, 8, 6219	14 1 61
1372 1371 1370 1369	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018, 7, e1011 [Asthma and the microbiome]. 2018, 35, 103-115 Fecal microbiota transplantation reverses antibiotic and chemotherapy-induced gut dysbiosis in mice. 2018, 8, 6219 Vascular Cognitive Impairment and the Gut Microbiota. 2018, 63, 1209-1222	14 1 61
1372 1371 1370 1369 1368	Unravelling the molecular basis for regulatory T-cell plasticity and loss of function in disease. 2018, 7, e1011 [Asthma and the microbiome]. 2018, 35, 103-115 Fecal microbiota transplantation reverses antibiotic and chemotherapy-induced gut dysbiosis in mice. 2018, 8, 6219 Vascular Cognitive Impairment and the Gut Microbiota. 2018, 63, 1209-1222 Why does the microbiome affect behaviour?. 2018, 16, 647-655	14 1 61 14 118

(2018-2018)

1364	Restoration of short chain fatty acid and bile acid metabolism following fecal microbiota transplantation in patients with recurrent Clostridium difficile infection. 2018 , 53, 64-73	81
1363	The effect of fecal microbiota transplantation on psychiatric symptoms among patients with irritable bowel syndrome, functional diarrhea and functional constipation: An open-label observational study. 2018 , 235, 506-512	87
1362	Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. 2018 , 173, 554-567	103
1361	Immune regulation by microbiome metabolites. 2018 , 154, 220-229	133
1360	Peripherally induced regulatory T cells contribute to the control of autoimmune diabetes in the NOD mouse model. 2018 , 48, 1211-1216	11
1359	The Role of the Gut Microbiome in Colorectal Cancer. 2018 , 31, 192-198	26
1358	Interplay Between Metabolic Sensors and Immune Cell Signaling. 2018, 109, 115-196	1
1357	Protective properties of combined fungal polysaccharides from Cordyceps sinensis and Ganoderma atrum on colon immune dysfunction. 2018 , 114, 1049-1055	24
1356	Applied RNA Bioscience. 2018,	1
1355	The microbiota, a necessary element of immunity. 2018 , 341, 281-283	10
1354	Antibiotics as Instigators of Microbial Dysbiosis: Implications for Asthma and Allergy. 2018 , 39, 697-711	49
1353	Impacts of microbiome metabolites on immune regulation and autoimmunity. 2018, 154, 230-238	108
1352	Gut microbiota injury in allogeneic haematopoietic stem cell transplantation. 2018 , 18, 283-295	113
1351	Immunomodulation by food: impact on gut immunity and immune cell function. 2018 , 82, 584-599	57
1350	New insights in gut microbiota and mucosal immunity of the small intestine. 2018, 7-8, 23-32	45
1349	The role of gut microbiome and associated metabolome in the regulation of neuroinflammation in multiple sclerosis and its implications in attenuating chronic inflammation in other inflammatory and autoimmune disorders. 2018 , 154, 178-185	37
1348	Effects of a vinegar-based multi-micronutrient supplement in rats: a multi-pronged assessment of dietary impact. 2018 , 42, 371-378	1
1347	Strain Tracking Reveals the Determinants of Bacterial Engraftment in the Human Gut Following Fecal Microbiota Transplantation. 2018 , 23, 229-240.e5	177

1346	Dietary intake of glucono-Elactone attenuates skin inflammation and contributes to maintaining skin condition. 2018 , 9, 1524-1531	6
1345	Clinical Metabolomics. 2018,	2
1344	Western lifestyle and immunopathology of multiple sclerosis. 2018 , 1417, 71-86	22
1343	Gut Microbiota and the Neuroendocrine System. 2018 , 15, 5-22	185
1342	Microbiome: Allergic Diseases of Childhood. 2018 , 35-53	
1341	The Influence of the Microbiota on the Etiology of Colorectal Cancer. 2018 , 167-193	1
1340	Regional Control of Regulatory Immune Cells in the Intestine. 2018 , 6, 29-34	4
1339	Adaptive immune education by gut microbiota antigens. 2018 , 154, 28-37	109
1338	Evaluating Causality of Gut Microbiota in Obesity and Diabetes in Humans. 2018 , 39, 133-153	132
1337	GPR43 mediates microbiota metabolite SCFA regulation of antimicrobial peptide expression in intestinal epithelial cells via activation of mTOR and STAT3. 2018 , 11, 752-762	164
1336	Sodium Butyrate Inhibits Colorectal Cancer Cell Migration by Downregulating Bmi-1 Through Enhanced miR-200c Expression. 2018 , 62, e1700844	29
1335	Probiotic treatment during neonatal age provides optimal protection against experimental asthma through the modulation of microbiota and T cells. 2018 , 30, 155-169	14
1334	Essential immunologic orchestrators of intestinal homeostasis. 2018 , 3,	37
1333	Microbiota regulate the development and function of the immune cells. 2018, 37, 79-89	15
1332	CD28 co-stimulation is dispensable for the steady state homeostasis of intestinal regulatory T cells. 2018 , 30, 171-180	5
1331	Reduction in hepatic secondary bile acids caused by short-term antibiotic-induced dysbiosis decreases mouse serum glucose and triglyceride levels. 2018 , 8, 1253	41
1330	NF-B, inflammation, immunity and cancer: coming of age. 2018 , 18, 309-324	1027
1329	Metabolomics in Immunology Research. 2018 , 1730, 29-42	14

1328	The role of the gut microbiome in systemic inflammatory disease. 2018 , 360, j5145	202
1327	Gut Microbiota-Derived Short Chain Fatty Acids Induce Circadian Clock Entrainment in Mouse Peripheral Tissue. 2018 , 8, 1395	114
1326	Evidence of the In Vitro and In Vivo Immunological Relevance of Bifidobacteria. 2018, 295-305	
1325	Intestinal microbiome analysis revealed dysbiosis in sickle cell disease. 2018 , 93, E91-E93	25
1324	Plasmacytoid dendritic cells protect from viral bronchiolitis and asthma through semaphorin 4a-mediated T reg expansion. 2018 , 215, 537-557	45
1323	Th17 plasticity and its relevance to inflammatory bowel disease. 2018 , 87, 38-49	129
1322	can mitigate intestinal immunopathology in the context of CTLA-4 blockade. 2018 , 115, 157-161	90
1321	The Impact of the Intestinal Microbiota in Therapeutic Responses Against Cancer. 2018 , 447-462	2
1320	Interactions Between Diet and the Intestinal Microbiota Alter Intestinal Permeability and Colitis Severity in Mice. 2018 , 154, 1037-1046.e2	167
1319	Proton Pump Inhibitors Increase the Susceptibility of Mice to Oral Infection with Enteropathogenic Bacteria. 2018 , 63, 881-889	8
1318	Clostridium butyricum regulates visceral hypersensitivity of irritable bowel syndrome by inhibiting colonic mucous low grade inflammation through its action on NLRP6. 2018 , 50, 216-223	22
1317	Connections Between Metabolism and Epigenetics in Programming Cellular Differentiation. 2018 , 36, 221-246	58
1316	Characterizing the bacterial microbiota in different gastrointestinal tract segments of the Bactrian camel. 2018 , 8, 654	30
1315	Metagenomic and metabolomic analyses unveil dysbiosis of gut microbiota in chronic heart failure patients. 2018 , 8, 635	133
1314	Deoxynivalenol, gut microbiota and immunotoxicity: A potential approach?. 2018, 112, 342-354	54
1313	Arachidonic acid in health and disease with focus on hypertension and diabetes mellitus: A review. 2018 , 11, 43-55	55
1312	The germ-organ theory of non-communicable diseases. 2018 , 16, 103-110	68
1311	Metabolic Barriers to T Cell Function in Tumors. 2018 , 200, 400-407	87

1310	Dietary fatty acids and susceptibility to multiple sclerosis. 2018 , 24, 12-16	17
1309	Food allergy. 2018 , 4, 17098	139
1308	Crosstalk between the microbiome and epigenome: messages from bugs. 2018 , 163, 105-112	104
1307	Dark matter in host-microbiome metabolomics: Tackling the unknowns-A review. 2018 , 1037, 13-27	69
1306	Short-chain fatty acids regulate systemic bone mass and protect from pathological bone loss. 2018 , 9, 55	210
1305	Gut Dysbiosis Associated With Hepatitis C Virus Infection. 2018 , 67, 869-877	85
1304	Gut microbiome modulates efficacy of immune checkpoint inhibitors. 2018, 11, 47	76
1303	Maintenance of intestinal homeostasis by mucosal barriers. 2018 , 38, 5	126
1302	The ability of human intestinal anaerobes to metabolize different oligosaccharides: Novel means for microbiota modulation?. 2018 , 51, 110-119	34
1301	Review article: short chain fatty acids as potential therapeutic agents in human gastrointestinal and inflammatory disorders. 2018 , 48, 15-34	190
1300	Detection of Gut Dysbiosis due to Reduced Clostridium Subcluster XIVa Using the Fecal or Serum Bile Acid Profile. 2018 , 24, 1035-1044	24
1299	Inflammatory bowel disease and immunonutrition: novel therapeutic approaches through modulation of diet and the gut microbiome. 2018 , 155, 36-52	67
1298	The microbiome and autoimmunity: a paradigm from the gut-liver axis. 2018, 15, 595-609	98
1297	Role of probiotics and prebiotics in immunomodulation. 2018 , 20, 82-91	50
1296	The Intestinal Epithelium: Central Coordinator of Mucosal Immunity. 2018, 39, 677-696	300
1295	Dimethyl fumarate downregulates the immune response through the HCA/GPR109A pathway: Implications for the treatment of multiple sclerosis. 2018 , 23, 46-50	14
1294	Differential bacterial capture and transport preferences facilitate co-growth on dietary xylan in the human gut. 2018 , 3, 570-580	70
1293	Regulation of type 2 innate lymphoid cell-dependent airway hyperreactivity by butyrate. 2018 , 142, 1867-188	3, e 12

Disruption of the Gut Microbiota With Antibiotics Exacerbates Acute Vascular Rejection. 2018, 102, 1085-109513 1291 Gut Microbiota Dysbiosis in Children with Relapsing Idiopathic Nephrotic Syndrome. 2018, 47, 164-170 15 Metabolomic analysis of short-term sulfamethazine exposure on marine medaka (Oryzias 1290 melastigma) by comprehensive two-dimensional gas chromatography-time-of-flight mass 15 spectrometry. 2018, 198, 269-275 High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate 1289 108 production. **2018**, 6, 57 1288 A Common Mechanism Links Activities of Butyrate in the Colon. 2018, 13, 1291-1298 13 Gut microbiota and mTOR signaling: Insight on a new pathophysiological interaction. 2018, 118, 98-104 38 Dietary butyrate glycerides modulate intestinal microbiota composition and serum metabolites in 1286 17 broilers. 2018, 8, 4940 Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease. 2018, 24, 656-665 40 Manipulation of host and parasite microbiotas: Survival strategies during chronic nematode 1284 54 infection. 2018, 4, eaap7399 1283 Gut microbiota dysbiosis is associated with Henoch-Schilein Purpura in children. 2018, 58, 1-8 42 1282 Moleculer nutritional immunology and cancer. 2018, 4, 40-46 4 1281 Diet, Genetics, and the Gut Microbiome Drive Dynamic Changes in Plasma Metabolites. 2018, 22, 3072-3086 99 1280 Diet, the intestinal microbiota, and immune health in aging. 2018, 58, 651-661 57 Interplay of host genetics and gut microbiota underlying the onset and clinical presentation of 368 1279 inflammatory bowel disease. 2018, 67, 108-119 Gut symbiotic microbes imprint intestinal immune cells with the innate receptor SLAMF4 which 1278 19 contributes to gut immune protection against enteric pathogens. 2018, 67, 847-859 Microbial Interactions and Interventions in Colorectal Cancer. 2017, 5, 27 1276 Microbiota-Host Transgenomic Metabolism, Bioactive Molecules from the Inside. 2018, 61, 47-61 47 1275 Gut microbiota metabolites for sweetening type I diabetes. 2018, 15, 92-95

1274	Altered gut microbiome composition in HIV infection: causes, effects and potential intervention. 2018 , 13, 73-80	52
1273	Fractures and the gut microbiome. 2018 , 13, 28-37	10
1272	Determinants of Reduced Genetic Capacity for Butyrate Synthesis by the Gut Microbiome in Crohn's Disease and Ulcerative Colitis. 2018 , 12, 204-216	52
1271	Whole cereal grains and potential health effects: Involvement of the gut microbiota. 2018 , 103, 84-102	91
1270	Microbiome-driven allergic lung inflammation is ameliorated by short-chain fatty acids. 2018, 11, 785-795	120
1269	Gut Microbiota, Immune System, and Bone. 2018 , 102, 415-425	80
1268	A T cell-specific deletion of HDAC1 protects against experimental autoimmune encephalomyelitis. 2018 , 86, 51-61	26
1267	Our gut microbiota: a long walk to homeostasis. 2018 , 9, 3-20	25
1266	Do host-associated gut microbiota mediate the effect of an herbicide on disease risk in frogs?. 2018 , 87, 489-499	27
1265	HIV and aging: role of the microbiome. 2018 , 13, 22-27	18
1264	Epigenetic regulation in bacterial infections: targeting histone deacetylases. 2018 , 44, 336-350	57
1263	Biochemical Features of Beneficial Microbes: Foundations for Therapeutic Microbiology. 2017 , 5,	43
1262	Host-microbiota interplay in mediating immune disorders. 2018 , 1417, 57-70	28
1261	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. 2017 , 5,	72
1260	Bone Remodeling and the Microbiome. 2018 , 8,	29
1259	The role of gut microbiota in the pathogenesis of rheumatic diseases. 2018 , 37, 25-34	50
1258	Regulatory T cells in acute and chronic kidney diseases. 2018 , 314, F679-F698	34
1257	Gut Microbiota Are Disease-Modifying Factors After Traumatic Spinal Cord Injury. 2018 , 15, 60-67	57

1256	Human Gut Microbiome: Function Matters. 2018 , 26, 563-574	241
1255	Environmental metabolomics with data science for investigating ecosystem homeostasis. 2018 , 104, 56-88	33
1254	Canagliflozin reduces plasma uremic toxins and alters the intestinal microbiota composition in a chronic kidney disease mouse model. 2018 , 315, F824-F833	37
1253	Combined therapies to treat complex diseases: The role of the gut microbiota in multiple sclerosis. 2018 , 17, 165-174	55
1252	NMR Analysis of Molecular Complexity. 2018 , 461-489	1
1251	Short-Chain Fatty Acids Suppress Inflammatory Reactions in Caco-2 Cells and Mouse Colons. 2018 , 66, 108-117	37
1250	Gut microbiome: a new player in gastrointestinal disease. 2018 , 472, 159-172	47
1249	The Impact of the Gut Microbiome on Colorectal Cancer. 2018 , 2, 229-249	17
1248	Interplay between the lung microbiome and lung cancer. 2018 , 415, 40-48	110
1247	Bioorthogonal pro-metabolites for profiling short chain fatty acylation. 2018 , 9, 1236-1241	6
1246	New Insights into Graft-Versus-Host Disease and Graft Rejection. 2018 , 13, 219-245	32
1245	Dietary and metabolic modulators of hepatic immunity. 2018 , 40, 175-188	10
1244	Vitamin A deficiency in mice alters host and gut microbial metabolism leading to altered energy homeostasis. 2018 , 54, 28-34	39
1243	Connection Between Fiber, Colonic Microbiota, and Health Across the Human Life Cycle. 2018 , 67-93	1
1242	Harnessing the power of regulatory T-cells to control autoimmune diabetes: overview and perspective. 2018 , 153, 161-170	38
1241	Exercise Alters Gut Microbiota Composition and Function in Lean and Obese Humans. 2018, 50, 747-757	284
1240	Contributions of the intestinal microbiome in lung immunity. 2018 , 48, 39-49	106
1239	Xenobiotic and endobiotic handling by the mucosal immune system. 2018 , 34, 404-412	2

1238	Effects of molecular hydrogen-dissolved alkaline electrolyzed water on intestinal environment in mice. 2018 , 8, 6-11	17
1237	The role of gut microbiota in immune checkpoint inhibitor therapy. 2018 , 7, 481-483	9
1236	Microbiota and Colon Cancer: Orchestrating Neoplasia Through DNA Damage and Immune Dysregulation. 2018 , 458-458	
1235	Role of diet and gut microbiota on colorectal cancer immunomodulation. 2019 , 25, 151-162	69
1234	The role of gut microbiota in juvenile idiopathic arthritis. 2018 , 32, 1081-1086	
1233	Antigen-specific Treg cells in immunological tolerance: implications for allergic diseases. 2018 , 7, 38	21
1232	Microbiota-accessible pectic poly- and oligosaccharides in gut health. 2018 , 9, 5059-5073	38
1231	Whole grain diet reduces systemic inflammation: A meta-analysis of 9 randomized trials. 2018 , 97, e12995	22
1230	Gut-brain Axis: Role of Lipids in the Regulation of Inflammation, Pain and CNS Diseases. 2018 , 25, 3930-3952	91
1229	Gut microbiota was modulated by moxibustion stimulation in rats with irritable bowel syndrome. 2018 , 13, 63	13
1228	Using gnotobiotic mice to discover and validate therapeutically active microbiota to maintain mucosal homeostasis and treat intestinal inflammation. 2018 , 28, 73-77	1
1227	The Gastrointestinal Immune System. 2018 , 45-58	
1226	Possible Prevention of Diabetes with a Gluten-Free Diet. 2018 , 10,	18
1225	Taxonomic classification for microbiome analysis, which correlates well with the metabolite milieu of the gut. 2018 , 18, 188	24
1224	Qi-Deficiency Related Increases in Disease Susceptibility Are Potentially Mediated by the Intestinal Microbiota. 2018 , 2018, 1304397	1
1223	Bacterial butyrate prevents atherosclerosis. 2018 , 3, 1332-1333	25
1222	Demystifying Dysbiosis: Can the Gut Microbiome Promote Oral Tolerance Over IgE-mediated Food Allergy?. 2018 , 14, 156-163	12
1221	Microglia: Immune Regulators of Neurodevelopment. 2018 , 9, 2576	62

1220	Causal Relationship between Diet-Induced Gut Microbiota Changes and Diabetes: A Novel Strategy to Transplant Faecalibacterium prausnitzii in Preventing Diabetes. 2018 , 19,	80
1219	The Microbial Metabolite Butyrate Stimulates Bone Formation via T Regulatory Cell-Mediated Regulation of WNT10B Expression. 2018 , 49, 1116-1131.e7	144
1218	Multiple Sclerosis-Associated Changes in the Composition and Immune Functions of Spore-Forming Bacteria. 2018 , 3,	36
1217	Perinatal antibiotic exposure alters composition of murine gut microbiota and may influence later responses to peanut antigen. 2018 , 14, 42	5
1216	Commensal bacteria contribute to insulin resistance in aging by activating innate B1a cells. 2018 , 10,	70
1215	Gut microbiome profiling and colorectal cancer in African Americans and Caucasian Americans. 2018 , 9, 47-58	25
1214	Microbiome modulates intestinal homeostasis against inflammatory diseases. 2018 , 205, 97-105	17
1213	Relationship between periodontal disease and butyric acid produced by periodontopathic bacteria. 2018 , 38, 23	10
1212	A Systematic Review, Meta-Analysis, and Meta-Regression Evaluating the Efficacy and Mechanisms of Action of Probiotics and Synbiotics in the Prevention of Surgical Site Infections and Surgery-Related Complications. 2018 , 7,	25
1211	A Metabologenomic Approach Reveals Changes in the Intestinal Environment of Mice Fed on American Diet. 2018 , 19,	22
1210	Microbiome as a tool and a target in the effort to address antimicrobial resistance. 2018 , 115, 12902-12910	42
1209	Food intolerance in dogs and cats. 2019 , 60, 77-85	5
1208	Human umbilical cord-derived mesenchymal stem cells ameliorate the enteropathy of food allergies in mice. 2018 , 16, 4445-4456	1
1207	Therapeutic faecal microbiota transplantation controls intestinal inflammation through IL10 secretion by immune cells. 2018 , 9, 5184	103
1206	Colonocyte metabolism shapes the gut microbiota. 2018 , 362,	205
1205	Development of the Gut Microbiome in Children, and Lifetime Implications for Obesity and Cardiometabolic Disease. 2018 , 5,	36
1204	Burn injury alters the intestinal microbiome's taxonomic composition and functional gene expression. 2018 , 13, e0205307	16
1203	The group 2 innate lymphoid cell (ILC2) regulatory network and its underlying mechanisms. 2018 , 286, 37-52	107

1202	Butyric acid: Applications and recent advances in its bioproduction. 2018 , 36, 2101-2117	50
1201	Role of Gut Microbiota-Generated Short-Chain Fatty Acids in Metabolic and Cardiovascular Health. 2018 , 7, 198-206	271
12 00	Propionate-producing bacteria in the intestine may associate with skewed responses of IL10-producing regulatory T cells in patients with relapsing polychondritis. 2018 , 13, e0203657	25
1199	Microbiota - an amplifier of autoimmunity. 2018 , 55, 15-21	19
1198	Effects of an oral synbiotic on the gastrointestinal immune system and microbiota in patients with diarrhea-predominant irritable bowel syndrome. 2019 , 58, 2767-2778	15
1197	The "Gut Feeling": Breaking Down the Role of Gut Microbiome in Multiple Sclerosis. 2018, 15, 109-125	71
1196	Diet induced changes in the microbiota and cell composition of rabbit gut associated lymphoid tissue (GALT). 2018 , 8, 14103	14
1195	A Metabolomic-Based Evaluation of the Role of Commensal Microbiota throughout the Gastrointestinal Tract in Mice. 2018 , 6,	18
1194	Allergen Immunization Induces Major Changes in Microbiota Composition and Short-Chain Fatty Acid Production in Different Gut Segments in a Mouse Model of Lupine Food Allergy. 2018 , 177, 311-323	8
1193	Neonatally imprinted stromal cell subsets induce tolerogenic dendritic cells in mesenteric lymph nodes. 2018 , 9, 3903	36
1192	Regulation of the effector function of CD8 T cells by gut microbiota-derived metabolite butyrate. 2018 , 8, 14430	107
1191	Metabolic regulation of innate and adaptive lymphocyte effector responses. 2018 , 286, 137-147	12
1190	Short-term and long-term effects of caesarean section on the health of women and children. 2018 , 392, 1349-1357	355
1189	Fecal microbiota transplantation confers beneficial metabolic effects of diet and exercise on diet-induced obese mice. 2018 , 8, 15625	64
1188	Clostridial Butyrate Biosynthesis Enzymes Are Significantly Depleted in the Gut Microbiota of Nonobese Diabetic Mice. 2018 , 3,	15
1187	The Suppressive Effect of Butyrate and Bromopyruvate on Inflammatory Cytokine Production and Short Chain Fatty Acid Receptor Expression by Blood Mononuclear Cells in Patients with Behët's Disease. 2018 , 30, 566-574	2
1186	The transcription factor Foxp1 preserves integrity of an active Foxp3 locus in extrathymic Treg cells. 2018 , 9, 4473	12
1185	Interactions between Roseburia intestinalis and diet modulate atherogenesis in a murine model. 2018 , 3, 1461-1471	170

1184	Antibiotics and autoimmune and allergy diseases: Causative factor or treatment?. 2018 , 65, 328-341	24
1183	Altered Gut Microbiota in Myasthenia Gravis. 2018 , 9, 2627	19
1182	Developmental Programming of Obesity and Diabetes in Mouse, Monkey, and Man in 2018: Where Are We Headed?. 2018 , 67, 2137-2151	53
1181	Probiotics as a Potential Immunomodulating Pharmabiotics in Allergic Diseases: Current Status and Future Prospects. 2018 , 10, 575-590	41
1180	Environmental Factors Modify the Severity of Acute DSS Colitis in Caspase-11-Deficient Mice. 2018 , 24, 2394-2403	7
1179	Microbiota and Derived Parameters in Fecal Samples of Infants with Non-IgE Cow's Milk Protein Allergy under a Restricted Diet. 2018 , 10,	26
1178	Dietary Fibers and Their Fermented Short-Chain Fatty Acids in Prevention of Human Diseases. 2018,	16
1177	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. 2018 , 175, 679-694.e	22 05
1176	Oral administration of antibiotics results in fecal occult bleeding due to metabolic disorders and defective proliferation of the gut epithelial cell in mice. 2018 , 23, 1043-1055	9
1175	Cell surface polysaccharides of induce the generation of Foxp3 regulatory T cells. 2018 , 3,	94
1174	Cross-Talk Between Gluten, Intestinal Microbiota and Intestinal Mucosa in Celiac Disease: Recent Advances and Basis of Autoimmunity. 2018 , 9, 2597	34
1173	The Role of Gut Microbiota in Atherosclerosis and Hypertension. 2018 , 9, 1082	112
1172	A metagenome-wide association study of gut microbiota in asthma in UK adults. 2018 , 18, 114	44
1171	Environmental Factors and Their Influence on Intestinal Fibrosis. 2018 , 111-126	
1170	A translational perspective on epigenetics in allergic diseases. 2018 , 142, 715-726	33
1169	Sox12 promotes T reg differentiation in the periphery during colitis. 2018 , 215, 2509-2519	4
1168	Role of Short Chain Fatty Acids in Controlling T and Immunopathology During Mucosal Infection. 2018 , 9, 1995	59
1167	Microbial metabolite sensor GPR43 controls severity of experimental GVHD. 2018 , 9, 3674	64

1166	NLRP3 inflammasome in colitis and colitis-associated colorectal cancer. 2018 , 29, 817-830	26
1165	1-Kestose, the Smallest Fructooligosaccharide Component, Which Efficiently Stimulates as Well as Bifidobacteria in Humans. 2018 , 7,	25
1164	Roles of intestinal microbiota in response to cancer immunotherapy. 2018 , 37, 2235-2240	7
1163	The role of gut microbiota in lupus: what we know in 2018?. 2018 , 14, 787-792	7
1162	Early Disruption of the Microbiome Leading to Decreased Antioxidant Capacity and Epigenetic Changes: Implications for the Rise in Autism. 2018 , 12, 256	24
1161	Wolves Trapped in the NETs⊞he Pathogenesis of Lupus Nephritis. 2018 , 25, 81	3
1160	Microbiota-derived short-chain fatty acids promote Th1 cell IL-10 production to maintain intestinal homeostasis. 2018 , 9, 3555	199
1159	Modulation of the immune system by the gut microbiota in the development of type 1 diabetes. 2018 , 14, 2580-2596	9
1158	GVHD: biology matters. 2018 , 2018, 221-227	4
1157	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. 2018 , 453-483	6
1156	Biochemical Features of Beneficial Microbes: Foundations for Therapeutic Microbiology. 2018 , 1-47	
1155	Microbial Interactions and Interventions in Colorectal Cancer. 2018, 99-130	1
1154	GVHD: biology matters. 2018 , 2, 3411-3417	25
1153	Extrathymically Generated Regulatory T Cells Establish a Niche for Intestinal Border-Dwelling Bacteria and Affect Physiologic Metabolite Balance. 2018 , 48, 1245-1257.e9	59
1152	Gut microbiota-mediated inflammation in obesity: a link with gastrointestinal cancer. 2018 , 15, 671-682	152
1151	Alopecia areata and the gut-the link opens up for novel therapeutic interventions. 2018, 22, 503-511	24
1150	Effects of long-term intake of a yogurt fermented with Lactobacillus delbrueckii subsp. bulgaricus 2038 and Streptococcus thermophilus 1131 on mice. 2018 , 30, 319-331	26
1149	Tissue-resident memory T cells at the center of immunity to solid tumors. 2018 , 19, 538-546	125

1148 Evolving role of diet in the pathogenesis and treatment of inflammatory bowel diseases. 2018, 67, 1726-1738 132 Viewpoint: Toward the Genetic Architecture of Disease Severity in Inflammatory Bowel Diseases. 2018, 24, 1428-1439 1146 Gut dysbiosis: a potential link between increased cancer risk in ageing and inflammaging. 2018, 19, e295-e304 77 Influence of gut microbiome on mucosal immune activation and SHIV viral transmission in naive 1145 24 macaques. 2018, 11, 1219-1229 1144 Microbiota and Type 2 immune responses. 2018, 54, 20-27 19 Caecal infusion of the short-chain fatty acid propionate affects the microbiota and expression of 26 1143 inflammatory cytokines in the colon in a fistula pig model. 2018, 11, 859-868 Lactobacillus fermentum Improves Tacrolimus-Induced Hypertension by Restoring Vascular Redox 1142 45 State and Improving eNOS Coupling. 2018, 62, e1800033 Gut Microbiota in Health and Disease. 2018, 57-90 The gut microbiota and the brain-gut-kidney axis in hypertension and chronic kidney disease. 2018, 1140 199 14, 442-456 Faecalibacterium prausnitzii Produces Butyrate to Maintain Th17/Treg Balance and to Ameliorate 1139 123 Colorectal Colitis by Inhibiting Histone Deacetylase 1. 2018, 24, 1926-1940 The Value of Fecal Microbiota Transplantation in the Treatment of Ulcerative Colitis Patients: A 1138 13 Systematic Review and Meta-Analysis. 2018, 2018, 5480961 Gut Microbiota in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis: Current 70 1137 Applications and Future Perspectives. 2018, 2018, 8168717 Improving the standards for gut microbiome analysis of fecal samples: insights from the field 1136 9 biology of Japanese macaques on Yakushima Island. 2018, 59, 423-436 Update on the Gastrointestinal Microbiome in Systemic Sclerosis. 2018, 20, 49 33 Potential Synergies of -Hydroxybutyrate and Butyrate on the Modulation of Metabolism, 1134 79 Inflammation, Cognition, and General Health. 2018, 2018, 7195760 Butyrate produced by gut commensal bacteria activates TGF-beta1 expression through the 67 1133 transcription factor SP1 in human intestinal epithelial cells. 2018, 8, 9742 1132 Spondyloarthritis. 2018, 201-220 1 1131 Juvenile Idiopathic Arthritis. 2018, 221-237

1130	Fatty acid metabolism complements glycolysis in the selective regulatory T cell expansion during tumor growth. 2018 , 115, E6546-E6555	127
1129	Antibiotics in early life: dysbiosis and the damage done. 2018 , 42, 489-499	89
1128	Dietary Polyphenols, Gut Microbiota, and Intestinal Epithelial Health. 2018, 295-314	1
1127	Changes in intestinal gene expression and microbiota composition during late pregnancy are mouse strain dependent. 2018 , 8, 10001	10
1126	Bacterial metabolite S-equol modulates glucagon-like peptide-1 secretion from enteroendocrine L cell line GLUTag cells via actin polymerization. 2018 , 501, 1009-1015	11
1125	Gut microbiome in type 1 diabetes: A comprehensive review. 2018 , 34, e3043	74
1124	Helminth-Bacterial Interactions: Cause and Consequence. 2018, 39, 724-733	42
1123	Simultaneous quantification of straight-chain and branched-chain short chain fatty acids by gas chromatography mass spectrometry. 2018 , 1092, 359-367	35
1122	Microbiome and Gut Immunity: T Cells. 2018 , 119-140	4
1121	Bioactive Lipids. 2018, 1-61	1
1121	Bioactive Lipids. 2018, 1-61 From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. 2018, 4, 27	39
	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for	
1120	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. 2018 , 4, 27 Neuroimmunophysiology of the gut: advances and emerging concepts focusing on the epithelium.	39
1120 1119	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. 2018, 4, 27 Neuroimmunophysiology of the gut: advances and emerging concepts focusing on the epithelium. 2018, 15, 765-784 Addition of dairy lipids and probiotic Lactobacillus fermentum in infant formula programs gut microbiota and entero-insular axis in adult minipigs. 2018, 8, 11656	39 55
1120 1119 1118	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. 2018, 4, 27 Neuroimmunophysiology of the gut: advances and emerging concepts focusing on the epithelium. 2018, 15, 765-784 Addition of dairy lipids and probiotic Lactobacillus fermentum in infant formula programs gut microbiota and entero-insular axis in adult minipigs. 2018, 8, 11656	395517
11120 11119 11118	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. 2018, 4, 27 Neuroimmunophysiology of the gut: advances and emerging concepts focusing on the epithelium. 2018, 15, 765-784 Addition of dairy lipids and probiotic Lactobacillus fermentum in infant formula programs gut microbiota and entero-insular axis in adult minipigs. 2018, 8, 11656 A metagenomic study of the gut microbiome in Behcet's disease. 2018, 6, 135 An orally administered oral pathobiont and commensal have comparable and innocuous systemic	395517103
11120 11119 11118 11117 11116	From metagenomic data to personalized in silico microbiotas: predicting dietary supplements for Crohn's disease. 2018, 4, 27 Neuroimmunophysiology of the gut: advances and emerging concepts focusing on the epithelium. 2018, 15, 765-784 Addition of dairy lipids and probiotic Lactobacillus fermentum in infant formula programs gut microbiota and entero-insular axis in adult minipigs. 2018, 8, 11656 A metagenomic study of the gut microbiome in Behcet's disease. 2018, 6, 135 An orally administered oral pathobiont and commensal have comparable and innocuous systemic effects in germ-free mice. 2018, 53, 950-960	3955171038

1112 Microbiome and Diseases: Allergy. 2018, 175-194

Attenuation of Rheumatoid Inflammation by Sodium Butyrate Through Reciprocal Targeting of HDAC2 in Osteoclasts and HDAC8 in T Cells. 2018 , 9, 1525	37
Synthetic Biology and Engineered Live Biotherapeutics: Toward Increasing System Complexity. 2018 , 7, 5-16	67
Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. 2018 , 6, e13732	19
The Influences of Soybean Agglutinin and Functional Oligosaccharides on the Intestinal Tract of Monogastric Animals. 2018 , 19,	31
Intestinal Microbiota Disruption Reduces Regulatory T Cells and Increases Respiratory Viral Infection Mortality Through Increased IFNIProduction. 2018 , 9, 1587	36
1106 Commensal Provokes Immunity to Protect against Skin Infection of Methicillin-Resistant. 2018 , 19,	14
Heterogeneity of Microbiota Dysbiosis in Chronic Rhinosinusitis: Potential Clinical Implications and Microbial Community Mechanisms Contributing to Sinonasal Inflammation. 2018 , 8, 168	12
Regulatory T Cell Metabolism in the Hepatic Microenvironment. 2017 , 8, 1889	23
1103 The Role of Lipid Metabolism in T Lymphocyte Differentiation and Survival. 2017 , 8, 1949	69
1102 T-Cell Metabolism in Hematopoietic Cell Transplantation. 2018 , 9, 176	17
Intestinal Microbiota at Engraftment Influence Acute Graft-Versus-Host Disease the Treg/Th17 Balance in Allo-HSCT Recipients. 2018 , 9, 669	28
1100 Emerging Functions of Regulatory T Cells in Tissue Homeostasis. 2018 , 9, 883	130
1099 The Elusive Anti- Vaccine: Lessons From the Past and Opportunities for the Future. 2018 , 9, 897	31
1098 Impact of a 3-Months Vegetarian Diet on the Gut Microbiota and Immune Repertoire. 2018 , 9, 908	34
Concepts Collide: Genomic, Immune, and Microbial Influences on the Tumor Microenvironment and Response to Cancer Therapy. 2018 , 9, 946	13
1096 Role of Microbiota in Sexually Dimorphic Immunity. 2018 , 9, 1018	35
Urban Diets Linked to Gut Microbiome and Metabolome Alterations in Children: A Comparative Cross-Sectional Study in Thailand. 2018 , 9, 1345	41

1094	Microbiota, Epithelium, Inflammation, and TGF-15 ignaling: An Intricate Interaction in Oncogenesis. 2018 , 9, 1353	16
1093	Impaired Autophagy in Intestinal Epithelial Cells Alters Gut Microbiota and Host Immune Responses. 2018 , 84,	39
1092	Aluminum Adjuvant-Containing Vaccines in the Context of the Hygiene Hypothesis: A Risk Factor for Eosinophilia and Allergy in a Genetically Susceptible Subpopulation?. 2018 , 15,	11
1091	Role of Short Chain Fatty Acid Receptors in Intestinal Physiology and Pathophysiology. 2018 , 8, 1091-1115	77
1090	The Balance of Th17 versus Treg Cells in Autoimmunity. 2018 , 19,	239
1089	Paraclostridium bifermentans exacerbates pathosis in a mouse model of ulcerative colitis. 2018, 13, e019766	8 8
1088	Histone deacetylase function in CD4 T cells. 2018 , 18, 617-634	67
1087	The epigenetic modification during the induction of Foxp3 with sodium butyrate. 2018 , 40, 309-318	16
1086	The composition of the perinatal intestinal microbiota in cattle. 2018 , 8, 10437	58
1085	Gut Microbiota and Mucosal Immunity in the Neonate. 2018 , 6,	39
1084	Nutrients Mediate Intestinal Bacteria-Mucosal Immune Crosstalk. 2018 , 9, 5	137
1083	Dietary Fibers: A Way to a Healthy Microbiome. 2018 , 299-345	9
1082	From Network Analysis to Functional Metabolic Modeling of the Human Gut Microbiota. 2018 , 3,	60
1081	Time-resolved transcriptome and proteome landscape of human regulatory T cell (Treg) differentiation reveals novel regulators of FOXP3. 2018 , 16, 47	11
1080	The crosstalk of gut microbiota and chronic kidney disease: role of inflammation, proteinuria, hypertension, and diabetes mellitus. 2018 , 50, 1453-1466	67
1079	Healthy hosts rule within: ecological forces shaping the gut microbiota. 2018 , 11, 1299-1305	52
1078	Necrotizing enterocolitis: The intestinal microbiome, metabolome and inflammatory mediators. 2018 , 23, 400-405	36
1077	Intestinal Dysbiosis in Autoimmune Diabetes Is Correlated With Poor Glycemic Control and Increased Interleukin-6: A Pilot Study. 2018 , 9, 1689	28

(2018-2018)

1076	The gut microbiome and aquatic toxicology: An emerging concept for environmental health. 2018 , 37, 2758-2775	54
1075	Intestinal Metaproteomics Reveals Host-Microbiota Interactions in Subjects at Risk for Type 1 Diabetes. 2018 , 41, 2178-2186	73
1074	Gut microbiota composition and butyrate production in children affected by non-IgE-mediated cow's milk allergy. 2018 , 8, 12500	42
1073	Microbial modulation of the gut microbiome for treating autoimmune diseases. 2018 , 12, 985-996	30
1072	Dietary Supplementation with Nondigestible Oligosaccharides Reduces Allergic Symptoms and Supports Low Dose Oral Immunotherapy in a Peanut Allergy Mouse Model. 2018 , 62, e1800369	13
1071	Gut microbes as future therapeutics in treating inflammatory and infectious diseases: Lessons from recent findings. 2018 , 61, 111-128	35
1070	Exposure to Arsenite in CD-1 Mice during Juvenile and Adult Stages: Effects on Intestinal Microbiota and Gut-Associated Immune Status. 2018 , 9,	33
1069	Abnormal absorptive colonic motor activity in germ-free mice is rectified by butyrate, an effect possibly mediated by mucosal serotonin. 2018 , 315, G896-G907	46
1068	The Role of Diet in Multiple Sclerosis: Mechanistic Connections and Current Evidence. 2018 , 7, 150-160	57
1067	Using bioreactors to study the effects of drugs on the human microbiota. 2018 , 149, 31-41	18
1066	Emerging Developments in Microbiome and Microglia Research: Implications for Neurodevelopmental Disorders. 2018 , 9, 1993	13
1065	Connecting the immune system, systemic chronic inflammation and the gut microbiome: The role of sex. 2018 , 92, 12-34	122
1064	Regulation of CD4CD8CD25 and CD4CD8CD25 T cells by gut microbiota in chicken. 2018 , 8, 8627	23
1063	Reprogramming of Cells by Lactic Acid Bacteria. 2018 , 47-61	
1062	The Impact of Dietary Fiber on Gut Microbiota in Host Health and Disease. 2018 , 23, 705-715	786
1061	Interactions of commensal and pathogenic microorganisms with the intestinal mucosal barrier. 2018 , 16, 457-470	226
1060	Oral administration of Bifidobacterium bifidum TMC3115 to neonatal mice may alleviate IgE-mediated allergic risk in adulthood. 2018 , 9, 815-828	18
1059	Effects of a homogeneous polysaccharide from Sijunzi decoction on human intestinal microbes and short chain fatty acids in vitro. 2018 , 224, 465-473	43

1058	Endospores and other lysis-resistant bacteria comprise a widely shared core community within the human microbiota. 2018 , 12, 2403-2416	22
1057	Good or bad: gut bacteria in human health and diseases. 2018 , 32, 1075-1080	32
1056	Suppression of IL-17F, but not of IL-17A, provides protection against colitis by inducing T cells through modification of the intestinal microbiota. 2018 , 19, 755-765	91
1055	Common ground: shared risk factors for type 1 diabetes and celiac disease. 2018 , 19, 685-695	24
1054	Role of nutrition, infection, and the microbiota in the efficacy of oral vaccines. 2018 , 132, 1169-1177	14
1053	The microbiome in autoimmune diseases. 2019 , 195, 74-85	162
1052	A step ahead: Exploring the gut microbiota in inpatients with bipolar disorder during a depressive episode. 2019 , 21, 40-49	97
1051	Gut environmental factors and multiple sclerosis. 2019 , 329, 20-23	23
1050	Interplay between food and gut microbiota in health and disease. 2019 , 115, 23-31	106
1049	Gastrointestinal Disorders Associated with Primary Immunodeficiency Diseases. 2019 , 57, 145-165	18
1048	Clostridium difficile, the Difficult "Kloster" Fuelled by Antibiotics. 2019 , 76, 774-782	26
1047	Loss of HDAC6 alters gut microbiota and worsens obesity. 2019 , 33, 1098-1109	24
1046	Human colonic microbiota modulation and branched chain fatty acids production affected by soy protein hydrolysate. 2019 , 54, 141-148	22
1045	Butyricicoccus plays a key role in mediating the antagonism between probiotic and antibiotic on food allergy. 2019 , 30, 446-461	4
1044	Microbiome and Melanoma. 2019 , 287-302	
1043	Reduced genetic potential for butyrate fermentation in the gut microbiome of infants who develop allergic sensitization. 2019 , 144, 1638-1647.e3	46
1042	Early E. casseliflavus gut colonization and outcomes of allogeneic hematopoietic cell transplantation. 2019 , 14, e0220850	4
1041	Butyrate suppresses demyelination and enhances remyelination. 2019 , 16, 165	63

104	Vitamin D Regulates the Microbiota to Control the Numbers of RORL/FoxP3+ Regulatory T Cells in the Colon. 2019 , 10, 1772	24
103	Microbiology and immunology: An ideal partnership for a tango at the gut surface-A tribute to Philippe Sansonetti. 2019 , 21, e13097	2
103	Low Methoxyl Pectin Protects against Autoimmune Diabetes and Associated Caecal Dysfunction. 2019 , 63, e1900307	13
103	7 Diet-derived microbial metabolites in health and disease. 2019 , 44, 216-227	26
103	The Role of Gut Microbiota in Intestinal Inflammation with Respect to Diet and Extrinsic Stressors. 2019 , 7,	87
103	A Proresolving Peptide Nanotherapy for Site-Specific Treatment of Inflammatory Bowel Disease by Regulating Proinflammatory Microenvironment and Gut Microbiota. 2019 , 6, 1900610	55
103	The Human Gut Microbiome is Structured to Optimize Molecular Interaction Networks. 2019 , 17, 1040-1046	4
103	3 Immunometabolism: an overview and therapeutic prospects in autoimmune diseases. 2019 , 11, 813-829	27
103	Gut microbial metabolite butyrate protects against proteinuric kidney disease through epigeneticand GPR109a-mediated mechanisms. 2019 , 33, 11894-11908	40
103	Dysbiosis associated with acute helminth infections in herbivorous youngstock - observations and implications. 2019 , 9, 11121	15
103	A synbiotic concept containing spore-forming strains and a prebiotic fiber blend consistently enhanced metabolic activity by modulation of the gut microbiome. 2019 , 1, 100021	16
102	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. 2019 , 10, 1733	36
102	Diet, Gut Microbiota, and Obesity: Links with Host Genetics and Epigenetics and Potential Applications. 2019 , 10, S17-S30	104
102	7 Early life microbial exposure shapes subsequent animal health. 2019 , 99, 661-677	3
102	Dysbiosis of the gut microbiome is associated with CKD5 and correlated with clinical indices of the disease: a case-controlled study. 2019 , 17, 228	18
102	5 Multi-Faceted Notch in Allergic Airway Inflammation. 2019 , 20,	7
102	Gut microbiota metabolite regulation of host defenses at mucosal surfaces: implication in precision medicine. 2019 , 2, 110-119	53
102	Severe burn injury alters intestinal microbiota composition and impairs intestinal barrier in mice. 2019, 7, 20	19

1022	Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice. 2019 , 14, e0219366	6
1021	Dietary Factors and Modulation of Bacteria Strains of and : A Systematic Review. 2019 , 11,	58
1020	Intestinal Microbiota Can Predict Acute Graft-versus-Host Disease Following Allogeneic Hematopoietic Stem Cell Transplantation. 2019 , 25, 1944-1955	21
1019	Regulation of oral immune tolerance by the microbiome in food allergy. 2019 , 60, 141-147	24
1018	Pas de Deux: Control of Anti-tumor Immunity by Cancer-Associated Inflammation. 2019 , 51, 15-26	83
1017	Decreased maternal serum acetate and impaired fetal thymic and regulatory T cell development in preeclampsia. 2019 , 10, 3031	42
1016	Potential Role of the Microbiome in Acne: A Comprehensive Review. 2019 , 8,	75
1015	Bacteroides in colonic mucosa-associated microbiota affects the development of minimal hepatic encephalopathy in patients with cirrhosis. 2019 , 13, 482-489	7
1014	Microbiota-derived acetate protects against respiratory syncytial virus infection through a GPR43-type 1 interferon response. 2019 , 10, 3273	118
1013	Marine Metagenomics. 2019,	1
1013	Marine Metagenomics. 2019, Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. 2019, 10, 1609	21
1012	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody	
1012	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. 2019 , 10, 1609 Gut Microbiome and Immunity. 2019 , 167-181	21
1012	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. 2019 , 10, 1609 Gut Microbiome and Immunity. 2019 , 167-181	21
1012	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. 2019, 10, 1609 Gut Microbiome and Immunity. 2019, 167-181 New Aquaculture Technology Based on Host-Symbiotic Co-metabolism. 2019, 189-228	21
1012 1011 1010	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. 2019, 10, 1609 Gut Microbiome and Immunity. 2019, 167-181 New Aquaculture Technology Based on Host-Symbiotic Co-metabolism. 2019, 189-228 Microenvironmental Metabolism Regulates Antitumor Immunity. 2019, 79, 4003-4008 How the Interplay Between the Commensal Microbiota, Gut Barrier Integrity, and Mucosal	21 1 42
1012 1011 1010 1009 1008	Environmental Triggers of Autoreactive Responses: Induction of Antiphospholipid Antibody Formation. 2019, 10, 1609 Gut Microbiome and Immunity. 2019, 167-181 New Aquaculture Technology Based on Host-Symbiotic Co-metabolism. 2019, 189-228 Microenvironmental Metabolism Regulates Antitumor Immunity. 2019, 79, 4003-4008 How the Interplay Between the Commensal Microbiota, Gut Barrier Integrity, and Mucosal Immunity Regulates Brain Autoimmunity. 2019, 10, 1937 Comments on "Supplementation with Lactobacillus reuteri ATCC PTA 4659 in patients affected by	21 1 42

1004	Microbiota-Derived Short-Chain Fatty Acids Promote the Memory Potential of Antigen-Activated CD8 T Cells. 2019 , 51, 285-297.e5	175
1003	Butyryl-CoA:acetate CoA-transferase gene associated with the genus is decreased in the gut microbiota of Japanese patients with ulcerative colitis. 2019 , 38, 159-163	4
1002	The Role of Bacteria in Personalized Nutrition. 2019 , 81-104	
1001	Innate Lymphoid Cells in the Induction of Obesity. 2019 , 28, 202-217.e7	32
1000	Yogurt-sourced probiotic bacteria alleviate shrimp tropomyosin-induced allergic mucosal disorders, potentially through microbiota and metabolism modifications. 2019 , 68, 506-514	5
999	A rapid derivatization based LC-MS/MS method for quantitation of short chain fatty acids in human plasma and urine. 2019 , 11, 741-753	8
998	Dietary tryptophan links encephalogenicity of autoreactive T cells with gut microbial ecology. 2019 , 10, 4877	41
997	Gut Vibes in Parkinson's Disease: The Microbiota-Gut-Brain Axis. 2019 , 6, 639-651	28
996	Metabolite-Sensing Receptor Ffar2 Regulates Colonic Group 3 Innate Lymphoid Cells and Gut Immunity. 2019 , 51, 871-884.e6	102
995	Maturation of Gut Microbiota and Circulating Regulatory T Cells and Development of IgE Sensitization in Early Life. 2019 , 10, 2494	30
994	Emerging Frontiers in Microbiome Engineering. 2019 , 40, 952-973	25
993	Demystifying the manipulation of host immunity, metabolism, and extraintestinal tumors by the gut microbiome. 2019 , 4, 41	83
992	Characterization of fructooligosaccharide-degrading enzymes in human commensal Bifidobacterium longum and Anaerostipes caccae. 2019 , 518, 294-298	11
991	Exploiting the Zonulin Mouse Model to Establish the Role of Primary Impaired Gut Barrier Function on Microbiota Composition and Immune Profiles. 2019 , 10, 2233	22
990	Hepatitis B Virus Infection Alters Gut Microbiota Composition in Mice. 2019, 9, 377	15
989	The role of the brain-gut-microbiota axis in psychology: The importance of considering gut microbiota in the development, perpetuation, and treatment of psychological disorders. 2019 , 9, e01408	22
988	Effects of tributyrin on growth performance, intestinal microflora and barrier function of weaned pigs. 2019 , 258, 114311	3
987	Dietary Antigens Induce Germinal Center Responses in Peyer's Patches and Antigen-Specific IgA Production. 2019 , 10, 2432	17

986	Microbiome, Autoimmune Diseases and HIV Infection: Friends or Foes?. 2019 , 11,	2
985	Immunomodulatory Effect of Gut Microbiota-Derived Bioactive Peptides on Human Immune System from Healthy Controls and Patients with Inflammatory Bowel Disease. 2019 , 11,	15
984	Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota. 2019 , 11,	17
983	Decrypting the communication between microbes and the intestinal mucosa-A brief review on Pathoghie Microbienne Molculaire's latest research. 2019 , 21, e13118	3
982	Building relationships through accountability: An expanded idea of accountability. 2019 , 9, 184-206	4
981	Bifidobacterial Dialogue With Its Human Host and Consequent Modulation of the Immune System. 2019 , 10, 2348	36
980	Microbial Metabolites Determine Host Health and the Status of Some Diseases. 2019 , 20,	40
979	Is there any association between gut microbiota and type 1 diabetes? A systematic review. 2019 , 11, 49	35
978	Oral-Gut Microbiota and Arthritis: Is There an Evidence-Based Axis?. 2019 , 8,	24
977	Relative abundance of Megamonas hypermegale and Butyrivibrio species decreased in the intestine and its possible association with the T cell aberration by metabolite alteration in patients with Behcet's disease (210 characters). 2019 , 38, 1437-1445	27
976	Perinatal Interactions between the Microbiome, Immunity, and Neurodevelopment. 2019 , 50, 18-36	62
975	Conversion of antigen-specific effector/memory T cells into Foxp3-expressing T cells by inhibition of CDK8/19. 2019 , 4,	37
974	Infectious Threats, the Intestinal Barrier, and Its Trojan Horse: Dysbiosis. 2019, 10, 1676	46
973	Butyrolactone-I, an efficient lglucosidase inhibitor, improves type 2 diabetes with potent TNF-llowering properties through modulating gut microbiota in db/db mice. 2019 , 33, 12616-12629	11
972	Preventative delivery of IL-35 by Lactococcus lactis ameliorates DSS-induced colitis in mice. 2019 , 103, 7931-7941	10
971	Effects of Land Transport Stress on Variations in Ruminal Microbe Diversity and Immune Functions in Different Breeds of Cattle. 2019 , 9,	13
970	Microbiota-Nourishing Immunity: A Guide to Understanding Our Microbial Self. 2019 , 51, 214-224	17
969	Sweet Memories of 8 Empowered by Butyrate. 2019 , 51, 201-203	2

968	Pursuing Human-Relevant Gut Microbiota-Immune Interactions. 2019 , 51, 225-239	54
967	Skin Care and Synbiotics for Prevention of Atopic Dermatitis or Food Allergy in Newborn Infants: A 2 12 Factorial, Randomized, Non-Treatment Controlled Trial. 2019 , 180, 202-211	21
966	Therapeutische mogelijkheden van het microbioom volop in ontwikkeling. 2019 , 35, 30-38	
965	The gut microbiome and cardiovascular disease: current knowledge and clinical potential. 2019 , 317, H923-H938	43
964	The influence of the microbiome on respiratory health. 2019 , 20, 1279-1290	157
963	Dysbiosis: from fiction to function. 2019 , 317, G602-G608	27
962	Resveratrol-mediated glycemic regulation is blunted by curcumin and is associated to modulation of gut microbiota. 2019 , 72, 108218	19
961	Targeting Gut Microbiome Interactions in Service-Related Gastrointestinal and Liver Diseases of Veterans. 2019 , 157, 1180-1183.e1	4
960	Partially hydrolyzed guar gum alleviates small intestinal mucosal damage after massive small bowel resection along with changes in the intestinal microbiota. 2019 , 54, 2514-2519	2
959	Comparing the Effects of the mTOR Inhibitors Azithromycin and Rapamycin on In Vitro Expanded Regulatory T Cells. 2019 , 28, 1603-1613	5
958	The Gut Microbiota in Multiple Sclerosis: An Overview of Clinical Trials. 2019 , 28, 1507-1527	56
957	Dry Eye Disease: Emerging Approaches to Disease Analysis and Therapy. 2019 , 8,	24
956	TGF-Bignaling controls methylation and T reg cell differentiation by modulating Uhrf1 activity. 2019 , 216, 2819-2837	29
955	Mucin O-glycans facilitate symbiosynthesis to maintain gut immune homeostasis. 2019 , 48, 513-525	30
954	Gut microbiota in colorectal cancer: mechanisms of action and clinical applications. 2019, 16, 690-704	276
953	Microbiome Influence in the Pathogenesis of Prion and Alzheimer's Diseases. 2019 , 20,	23
952	Repeated mild traumatic brain injury affects microbial diversity in rat jejunum. 2019 , 44, 1	8
951	Gut Microbiome in Psoriasis is Perturbed Differently During Secukinumab and Ustekinumab Therapy and Associated with Response to Treatment. 2019 , 39, 1195-1203	22

950	The Microbial Pecking Order: Utilization of Intestinal Microbiota for Poultry Health. 2019, 7,	24
949	Impact of the gut microbiota on immune checkpoint inhibitor-associated toxicities. 2019 , 12, 17562848198709	9 1 0
948	Gut microbiota composition and bone mineral loss-epidemiologic evidence from individuals in Wuhan, China. 2019 , 30, 1003-1013	47
947	Butyrate inhibit collagen-induced arthritis via Treg/IL-10/Th17 axis. 2019 , 68, 226-233	38
946	Microbiota fermentation-NLRP3 axis shapes the impact of dietary fibres on intestinal inflammation. 2019 , 68, 1801-1812	79
945	The Interplay between Immunity and Microbiota at Intestinal Immunological Niche: The Case of Cancer. 2019 , 20,	19
944	Urogenital schistosomiasis is associated with signatures of microbiome dysbiosis in Nigerian adolescents. 2019 , 9, 829	14
943	Non-coding DNA in IBD: from sequence variation in DNA regulatory elements to novel therapeutic potential. 2019 , 68, 928-941	11
942	Butyrate Attenuates Lung Inflammation by Negatively Modulating Th9 Cells. 2019, 10, 67	26
941	Melatonin Treatment Alleviates Spinal Cord Injury-Induced Gut Dysbiosis in Mice. 2019 , 36, 2646-2664	27
940	Dynamics of Human Gut Microbiota and Short-Chain Fatty Acids in Response to Dietary Interventions with Three Fermentable Fibers. 2019 , 10,	280
939	Dietary Habits and Intestinal Immunity: From Food Intake to CD4 T Cells. 2018 , 9, 3177	18
938	Structural elucidation of a glucan from Crataegus pinnatifida and its bioactivity on intestinal bacteria strains. 2019 , 128, 435-443	21
937	Gut Microbiome as Target for Innovative Strategies Against Food Allergy. 2019 , 10, 191	37
936	The Short Chain Fatty Acid Butyrate Imprints an Antimicrobial Program in Macrophages. 2019 , 50, 432-445.e7	333
935	Targeting Food Allergy with Probiotics. 2019 , 1125, 57-68	10
934	Bioactive Lipids. 2019 , 467-527	5
933	In silico prediction reveals the existence of potential bioactive neuropeptides produced by the human gut microbiota. 2019 , 119, 221-226	6

(2019-2019)

932	Oral neonatal antibiotic treatment perturbs gut microbiota and aggravates central nervous system autoimmunity in Dark Agouti rats. 2019 , 9, 918	18
931	Lactobacillus rhamnosus GG treatment improves intestinal permeability and modulates microbiota dysbiosis in an experimental model of sepsis. 2019 , 43, 1139-1148	32
930	Complex dietary polysaccharide modulates gut immune function and microbiota, and promotes protection from autoimmune diabetes. 2019 , 157, 70-85	24
929	Crucial Role of Microbiota in Experimental Psoriasis Revealed by a Gnotobiotic Mouse Model. 2019 , 10, 236	23
928	Interactions between gut microbiota and non-alcoholic liver disease: The role of microbiota-derived metabolites. 2019 , 141, 521-529	42
927	Influence of maternal microbiota during pregnancy on infant immunity. 2019 , 198, 47-56	37
926	Parallel worlds of the adaptive and innate immune cell networks. 2019 , 58, 53-59	3
925	Novel cancer therapy targeting microbiome. 2019 , 12, 3619-3624	20
924	Role for diet in normal gut barrier function: developing guidance within the framework of food-labeling regulations. 2019 , 317, G17-G39	37
923	Influences of immersion bathing in Bacillus velezensis DY-6 on growth performance, non-specific immune enzyme activities and gut microbiota of Apostichopus japonicus. 2019 , 37, 1449-1459	3
922	Fecal Microbial Transplantation and Its Potential Application in Cardiometabolic Syndrome. 2019 , 10, 1341	35
921	A long-distance relationship: the commensal gut microbiota and systemic viruses. 2019 , 37, 44-51	8
920	Bidirectional regulatory potentials of short-chain fatty acids and their G-protein-coupled receptors in autoimmune neuroinflammation. 2019 , 9, 8837	45
919	Effects of interesterified lipid design on the short/medium chain fatty acid hydrolysis rate and extent (in vitro). 2019 , 10, 4166-4176	6
918	Microbiota therapy acts via a regulatory T cell MyD88/RORE pathway to suppress food allergy. 2019 , 25, 1164-1174	132
917	Fecal Microbiome Data Distinguish Liver Recipients With Normal and Abnormal Liver Function From Healthy Controls. 2019 , 10, 1518	11
916	Metformin as an archetype immuno-metabolic adjuvant for cancer immunotherapy. 2019 , 8, e1633235	39
915	Dietary Composition and Effects in Inflammatory Bowel Disease. 2019 , 11,	19

914	Effects of dietary Clostridium butyricum addition to sows in late gestation and lactation on reproductive performance and intestinal microbiota1. 2019 , 97, 3426-3439	12
913	Gut flora th e second brainkonnects Eastern and Western medicine: intestinal hyper-permeability or Qi deficiency can affect brain, mind, and whole body. 2019 , 2, 6-6	
912	Microbial genes and pathways in înflammatory bowel disease. 2019 , 17, 497-511	187
911	Butyrate ameliorates allergic airway inflammation by limiting eosinophil trafficking and survival. 2019 , 144, 764-776	63
910	Infection History Determines Susceptibility to Unrelated Diseases. 2019 , 41, e1800191	5
909	Distal Consequences of Oral Inflammation. 2019 , 10, 1403	49
908	The Microbiota and the Immune Response: What Is the Chicken and What Is the Egg?. 2019 , 29, 381-393	21
907	Autoimmunity in microbiome-mediated diseases and novel therapeutic approaches. 2019 , 49, 34-42	7
906	Multiple sclerosis: Possibility of a gut environment-induced disease. 2019 , 130, 104475	7
905	Substrate preference of an ABC importer corresponds to selective growth on E(1,6)-galactosides in subsp 2019 , 294, 11701-11711	13
904	Regulatory T cells as therapeutic targets and mediators. 2019 , 38, 183-203	7
903	Suppressive effect of dietary resistant maltodextrin on systemic immunity in a mouse model of food allergy. 2019 , 38, 89-95	3
902	Lactobacillus sp. improved microbiota and metabolite profiles of aging rats. 2019 , 146, 104312	21
901	Prebiotics: tools to manipulate the gut microbiome and metabolome. 2019 , 46, 1445-1459	24
900	Metabolism at the centre of the host-microbe relationship. 2019 , 197, 193-204	22
899	The role of short-chain fatty acids in microbiota-gut-brain communication. 2019 , 16, 461-478	637
898	Microbiota Inhibit Epithelial Pathogen Adherence by Epigenetically Regulating C-Type Lectin Expression. 2019 , 10, 928	9
897	Core Gut Bacteria Analysis of Healthy Mice. 2019 , 10, 887	39

896	Deciphering the Chemical Lexicon of Host-Gut Microbiota Interactions. 2019 , 40, 430-445	47
895	Short chain fatty acids enriched fermentation metabolites of soluble dietary fibre from Musa paradisiaca drives HT29 colon cancer cells to apoptosis. 2019 , 14, e0216604	17
894	Metabolic Profiling in IBD. 2019 , 303-312	
893	Targeting strategies for chemotherapy-induced peripheral neuropathy: does gut microbiota play a role?. 2019 , 45, 369-393	17
892	Determination of Short-Chain Fatty Acids in Mouse Feces by High-Performance Liquid Chromatography Using 2-Nitrophenylhydrazine as a Labeling Reagent. 2019 , 42, 845-849	8
891	The ancestral and industrialized gut microbiota and implications for human health. 2019 , 17, 383-390	136
890	Bases for the Adequate Development of Nutritional Recommendations for Patients with Inflammatory Bowel Disease. 2019 , 11,	7
889	Multi-Omic Analysis of the Microbiome and Metabolome in Healthy Subjects Reveals Microbiome-Dependent Relationships Between Diet and Metabolites. 2019 , 10, 454	51
888	Effects of Intestinal Microbial?Elaborated Butyrate on Oncogenic Signaling Pathways. 2019, 11,	56
887	Integrative neuromuscular medicine: Neuropathy and neuropathic pain: Consider the alternatives. 2019 , 60, 124-136	7
886	Challenges in IBD Research: Environmental Triggers. 2019 , 25, S13-S23	35
885	Metabolite-Sensing G Protein-Coupled Receptors Connect the Diet-Microbiota-Metabolites Axis to Inflammatory Bowel Disease. 2019 , 8,	27
884	Microbiome of the Skin and Gut in Atopic Dermatitis (AD): Understanding the Pathophysiology and Finding Novel Management Strategies. 2019 , 8,	67
883	Microbial osteoporosis: The interplay between the gut microbiota and bones via host metabolism and immunity. 2019 , 8, e00810	31
882	Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. 2019 , 227, e13285	50
881	Short-chain fatty acids: Bacterial messengers modulating the immunometabolism of T cells. 2019 , 49, 842-848	57
880	Dietary Factors in Sulfur Metabolism and Pathogenesis of Ulcerative Colitis. 2019, 11,	19
879	Polysaccharide from Spirulina platensis ameliorates diphenoxylate-induced constipation symptoms in mice. 2019 , 133, 1090-1101	31

878	The impacts of natural polysaccharides on intestinal microbiota and immune responses - a review. 2019 , 10, 2290-2312	82
877	Gut microbiome interventions in human health and diseases. 2019 , 39, 2286-2313	27
876	Impact of the microbiome on cancer progression and response to anti-cancer therapies. 2019 , 143, 255-294	10
875	The Microbiome and Food Allergy. 2019 , 37, 377-403	58
874	Metabolic Targets for Improvement of Allogeneic Hematopoietic Stem Cell Transplantation and Graft-vsHost Disease. 2019 , 10, 295	9
873	Cross talk between neutrophils and the microbiota. 2019 , 133, 2168-2177	43
872	Microbiome and Melanoma. 2019 , 1-16	
871	Understanding the gut-kidney axis among biopsy-proven diabetic nephropathy, type 2 diabetes mellitus and healthy controls: an analysis of the gut microbiota composition. 2019 , 56, 581-592	41
870	Regulatory T cell adaptation in the intestine and skin. 2019 , 20, 386-396	76
869	N-(1-carbamoyl-2-phenylethyl) butyramide reduces antibiotic-induced intestinal injury, innate immune activation and modulates microbiota composition. 2019 , 9, 4832	13
868	Mapping the microbial interactome: Statistical and experimental approaches for microbiome network inference. 2019 , 244, 445-458	13
867	16S rRNA gene profiling and genome reconstruction reveal community metabolic interactions and prebiotic potential of medicinal herbs used in neurodegenerative disease and as nootropics. 2019 , 14, e0213869	15
866	Short Chain Fatty Acids (SCFAs)-Mediated Gut Epithelial and Immune Regulation and Its Relevance for Inflammatory Bowel Diseases. 2019 , 10, 277	817
865	Microbe-metabolite-host axis, two-way action in the pathogenesis and treatment of human autoimmunity. 2019 , 18, 455-475	25
864	Endocytosis of commensal antigens by intestinal epithelial cells regulates mucosal T cell homeostasis. 2019 , 363,	78
863	Cross-Talk Between Antigen Presenting Cells and T Cells Impacts Intestinal Homeostasis, Bacterial Infections, and Tumorigenesis. 2019 , 10, 360	98
862	Histone Acetylation of Immune Regulatory Genes in Human Placenta in Association with Maternal Intake of Olive Oil and Fish Consumption. 2019 , 20,	30
861	The human microbiome in health and disease: hype or hope. 2019 , 74, 53-64	20

860	Faecalibacterium prausnitzii produces butyrate to decrease c-Myc-related metabolism and Th17 differentiation by inhibiting histone deacetylase 3. 2019 , 31, 499-514	28
859	Impact of microbiota on central nervous system and neurological diseases: the gut-brain axis. 2019 , 16, 53	234
858	Dietary Fiber and Intestinal Health of Monogastric Animals. 2019 , 6, 48	88
857	Interplay between bile acids and the gut microbiota promotes intestinal carcinogenesis. 2019 , 58, 1155-1167	50
856	The role of microbiota in the development of allergic diseases. 2019 , 13, 135-146	
855	The Synergistic Role of Diet and Exercise in the Prevention, Pathogenesis, and Management of Ulcerative Colitis: An Underlying Metabolic Mechanism. 2019 , 12, 1178638819834526	4
854	Microbiota Metabolite Butyrate Differentially Regulates Th1 and Th17 Cells' Differentiation and Function in Induction of Colitis. 2019 , 25, 1450-1461	63
853	Methods to manufacture regulatory T cells for cell therapy. 2019 , 197, 52-63	40
852	Role of diet, gut microbiota, and metabolism in multiple sclerosis and neuromyelitis optica. 2019 , 10, 12-19	4
851	Intestinal short-chain fatty acid composition does not explain gut microbiota-mediated effects on malaria severity. 2019 , 14, e0214449	6
850	Mining the microbiota for microbial and metabolite-based immunotherapies. 2019 , 19, 305-323	124
849	Alterations in bacterial communities, SCFA and biomarkers in an elderly HIV-positive and HIV-negative population in western Mexico. 2019 , 19, 234	12
848	Shaping the Infant Microbiome With Non-digestible Carbohydrates. 2019 , 10, 343	33
847	Microbiome, Parkinson's Disease and Molecular Mimicry. 2019 , 8,	43
846	Variations in early gut microbiome are associated with childhood eczema. 2019 , 366,	7
845	Malassezia Is Associated with Crohn's Disease and Exacerbates Colitis in Mouse Models. 2019 , 25, 377-388.e6	144
844	Food Allergy and the Microbiota: Implications for Probiotic Use in Regulating Allergic Responses. 2019 , 179-194	2
843	Overuse of antianaerobic drug is associated with poor postchemotherapy prognosis of patients with hepatocellular carcinoma. 2019 , 145, 2701-2711	13

842	Antibiotics exacerbated colitis by affecting the microbiota, Treg cells and SCFAs in IL10-deficient mice. 2019 , 114, 108849	12
841	Microbes, metabolites, and the gut-lung axis. 2019 , 12, 843-850	233
840	Thinking bigger: How early-life environmental exposures shape the gut microbiome and influence the development of asthma and allergic disease. 2019 , 74, 2103-2115	57
839	Dose-Dependent Effects of Aloin on the Intestinal Bacterial Community Structure, Short Chain Fatty Acids Metabolism and Intestinal Epithelial Cell Permeability. 2019 , 10, 474	8
838	Anti-inflammatory Gut Microbial Pathways Are Decreased During Crohn's Disease Exacerbations. 2019 , 13, 1439-1449	22
837	Role of the Gut-Liver Axis in Liver Inflammation, Fibrosis, and Cancer: A Special Focus on the Gut Microbiota Relationship. 2019 , 3, 456-470	60
836	The Role of the Microbiome in Immunologic Development and its Implication For Pancreatic Cancer Immunotherapy. 2019 , 156, 2097-2115.e2	48
835	Food Allergy. 2019,	1
834	Two binding proteins of the ABC transporter that confers growth of Bifidobacterium animalis subsp. lactis ATCC27673 on Emannan possess distinct manno-oligosaccharide-binding profiles. 2019 , 112, 114-130	15
833	The effect of diet on hypertensive pathology: is there a link via gut microbiota-driven immunometabolism?. 2019 , 115, 1435-1447	31
832	Immunity, microbiota and kidney disease. 2019 , 15, 263-274	46
831	Construction of a Model Culture System of Human Colonic Microbiota to Detect Decreased Lachnospiraceae Abundance and Butyrogenesis in the Feces of Ulcerative Colitis Patients. 2019 , 14, e180055	55 ²²
830	Microbiome Dependent Regulation of T and Th17 Cells in Mucosa. 2019 , 10, 426	98
829	Regulation of microbiota-GLP1 axis by sennoside A in diet-induced obese mice. 2019 , 9, 758-768	23
828	The Combination of Bifidobacterium breve and Three Prebiotic Oligosaccharides Modifies Gut Immune and Endocrine Functions in Neonatal Mice. 2019 , 149, 344-353	9
827	Current Understanding of Gut Microbiota in Mood Disorders: An Update of Human Studies. 2019 , 10, 98	94
826	Interleukin-18 in Health and Disease. 2019 , 20,	146
825	Resistant Starch Attenuates Bone Loss in Ovariectomised Mice by Regulating the Intestinal Microbiota and Bone-Marrow Inflammation. 2019 , 11,	23

824	Diet modulates colonic T cell responses by regulating the expression of a antigen. 2019, 4,	36
823	Intestinal Microbiota as a Host Defense Mechanism to Infectious Threats. 2018 , 9, 3328	42
822	Gut Microbiota, Host Organism, and Diet Trialogue in Diabetes and Obesity. 2019 , 6, 21	89
821	Inflammation and Pancreatic Cancer: Focus on Metabolism, Cytokines, and Immunity. 2019 , 20,	104
820	The Gut Microbiome in Autoimmune Diseases. 2019 , 325-332	4
819	Connections Between Gut Microbiota and Bone Health. 2019 , 341-348	
818	The short-chain fatty acid pentanoate suppresses autoimmunity by modulating the metabolic-epigenetic crosstalk in lymphocytes. 2019 , 10, 760	129
817	Gut microbiota-dependent CCR9+CD4+ T cells are altered in secondary progressive multiple sclerosis. 2019 , 142, 916-931	32
816	Ameliorating gut microenvironment through staphylococcal nuclease-mediated intestinal NETs degradation for prevention of type 1 diabetes in NOD mice. 2019 , 221, 301-310	13
815	GC/MS-Based Metabolomics Approach to Evaluate the Effect of Jackyakgamcho-Tang on Acute Colitis. 2019 , 2019, 4572764	3
814	Hesperidin Protects Against Intestinal Inflammation by Restoring Intestinal Barrier Function and Up-Regulating Treg Cells. 2019 , 63, e1800975	20
813	Randomized controlled trial on the influence of dietary intervention on epigenetic mechanisms in children with cow's milk allergy: the EPICMA study. 2019 , 9, 2828	21
812	Dietary Short Chain Fatty Acids: How the Gut Microbiota Fight Against Autoimmune and Inflammatory Diseases. 2019 , 139-159	4
811	Regulation of Immune Cell Function by Short Chain Fatty Acids and Their Impact on Arthritis. 2019 , 175-188	2
810	Intestinal microbes direct CXCR1 cells to balance intestinal immunity. 2019 , 10, 540-546	2
809	T lymphocytes in the intestinal mucosa: defense and tolerance. 2019 , 16, 216-224	39
808	The Role of the Microbiome in Cancer Initiation and Progression: How Microbes and Cancer Cells Utilize Excess Energy and Promote One Another's Growth. 2019 , 8, 42-51	51
807	Gut microbiota development of preterm infants hospitalised in intensive care units. 2019 , 10, 641-651	2 0

806	Multiple sclerosis and faecal microbiome transplantation: are you going to eat that?. 2019 , 10, 27-32	6
805	The Therapeutic Potential of the Min-Yang Garden in Our Gut. 2019 ,	1
804	Simultaneous Assay of Fecal Short-Chain Fatty and Bile Acids and Ratio of Total Bile Acids to Butyrate in Colon Cancer. 2019 , 40, 49-57	1
803	Inflammatory bowel disease - one entity with many molecular faces. 2019 , 14, 228-232	1
802	Editorial: Immunological Consequences of Antigen Sampling at Mucosal Surfaces. 2019 , 10, 2773	
801	Intrinsic and Extrinsic Determinants of T Cell Metabolism in Health and Disease. 2019 , 6, 118	9
800	Invariant NKT Cells Functionally Link Microbiota-Induced Butyrate Production and Joint Inflammation. 2019 , 203, 3199-3208	8
799	Temporal evolution of the microbiome, immune system and epigenome with disease progression in ALS mice. 2019 , 13,	32
798	COPD and the gut-lung axis: the therapeutic potential of fibre. 2019 , 11, S2173-S2180	37
797	Raw feeding in dogs and cats. 2019 , 24, 578-584	
796	Reduced Akkermansia muciniphila and Faecalibacterium prausnitzii levels in the gut microbiota of children with allergic asthma. 2019 , 47, 365-371	41
795	Compositional alterations of gut microbiota in children with primary nephrotic syndrome after initial therapy. 2019 , 20, 434	12
794	The Immunology of Transplantation. 2019 , 9-35	
793	A Comparative Study of Modern and Heirloom Wheat on Indicators of Gastrointestinal Health. 2019 , 67, 14027-14037	2
792	Lung Microbiome in Asthma: Current Perspectives. 2019 , 8,	28
791	Association of the maternal microbiome in Japanese pregnant women with the cumulative prevalence of dermatitis in early infancy: A pilot study from the Chiba study of Mother and Child Health birth cohort. 2019 , 12, 100065	6
790	The Th17/Treg Cell Balance: A Gut Microbiota-Modulated Story. 2019 , 7,	30
789	Butyric Acid and Leucine Induce Defensin Secretion from Small Intestinal Paneth Cells. 2019 , 11,	28

(2019-2019)

788	Interplay between the Adaptive Immune System and Insulin Resistance in Weight Loss Induced by Bariatric Surgery. 2019 , 2019, 3940739	20
787	Metabolic Pathways Involved in Regulatory T Cell Functionality. 2019 , 10, 2839	43
786	One, No One, and One Hundred Thousand: T Regulatory Cells' Multiple Identities in Neuroimmunity. 2019 , 10, 2947	7
7 ⁸ 5	Dietary Fiber Pectin Ameliorates Experimental Colitis in a Neutral Sugar Side Chain-Dependent Manner. 2019 , 10, 2979	40
784	Exploring the Benefit of 2-Methylbutyric Acid in Patients Undergoing Hemodialysis Using a Cardiovascular Proteomics Approach. 2019 , 11,	9
783	Metabolic Control of Treg Cell Stability, Plasticity, and Tissue-Specific Heterogeneity. 2019 , 10, 2716	51
782	Unaccounted risk of cardiovascular disease: the role of the microbiome in lipid metabolism. 2019 , 30, 125-133	1
781	Gut Microbiota in Children With Cystic Fibrosis: A Taxonomic and Functional Dysbiosis. 2019 , 9, 18593	28
780	Impact of Tilapia hepcidin 2-3 dietary supplementation on the gut microbiota profile and immunomodulation in the grouper (Epinephelus lanceolatus). 2019 , 9, 19047	10
779	Current understanding of gut microbiota alterations and related therapeutic intervention strategies in heart failure. 2019 , 132, 1843-1855	16
778	Top-100 highest-cited original articles in inflammatory bowel disease: A bibliometric analysis. 2019 , 98, e15718	12
777	Immunomodulating Activity and Therapeutic Effects of Short Chain Fatty Acids and Tryptophan Post-biotics in Inflammatory Bowel Disease. 2019 , 10, 2754	64
776	Depletion of microbiome-derived molecules in the host using genetics. 2019 , 366,	42
775	Rhubarb Peony Decoction ameliorates ulcerative colitis in mice by regulating gut microbiota to restoring Th17/Treg balance. 2019 , 231, 39-49	54
774	Dietary Nondigestible Polysaccharides Ameliorate Colitis by Improving Gut Microbiota and CD4 Differentiation, as Well as Facilitating M2 Macrophage Polarization. 2019 , 43, 401-411	2
773	Intestinal luminal putrescine is produced by collective biosynthetic pathways of the commensal microbiome. 2019 , 10, 159-171	23
772	Mechanisms by which gut microorganisms influence food sensitivities. 2019 , 16, 7-18	43
771	Gut dysbiosis, leaky gut, and intestinal epithelial proliferation in neurological disorders: towards the development of a new therapeutic using amino acids, prebiotics, probiotics, and postbiotics. 2019 , 30, 179-201	53

77°	Dysbiosis of the gut microbiome is associated with thyroid cancer and thyroid nodules and correlated with clinical index of thyroid function. 2019 , 64, 564-574	27
769	Microbial-Based Therapies in the Treatment of Inflammatory Bowel Disease - An Overview of Human Studies. 2018 , 9, 1571	57
768	The gut microbiome in food allergy. 2019 , 122, 276-282	62
767	Unraveling gut microbiota in Parkinson's disease and atypical parkinsonism. 2019 , 34, 396-405	124
766	Coupled dynamics of intestinal microbiome and immune system-A mathematical study. 2019 , 464, 9-20	2
765	Influence of the microbiota on epigenetics in colorectal cancer. 2019 , 6, 1138-1148	8
764	Effect of Resistant Starch on the Gut Microbiota and Its Metabolites in Patients with Coronary Artery Disease. 2019 , 26, 705-719	13
763	Microbiome in Mechanisms of Asthma. 2019 , 40, 87-96	11
762	Impact of gut microbiota on gut-distal autoimmunity: a focus on T cells. 2019, 156, 305-318	24
761	Mediterraneibacter butyricigenes sp. nov., a butyrate-producing bacterium isolated from human faeces. 2019 , 57, 38-44	10
760	Dietary Tributyrin Attenuates Intestinal Inflammation, Enhances Mitochondrial Function, and Induces Mitophagy in Piglets Challenged with Diquat. 2019 , 67, 1409-1417	10
759	The role of gut microbiota in intestinal and liver diseases. 2019 , 53, 271-280	12
75 ⁸	The Role of the Microbiome in Asthma: The Gut?Lung Axis. 2018 , 20,	78
757	Pathobiont release from dysbiotic gut microbiota biofilms in intestinal inflammatory diseases: a role for iron?. 2019 , 26, 1	104
756	Microbiota and Food Allergy. 2019 , 57, 83-97	45
755	The clinical role of the TME in solid cancer. 2019 , 120, 45-53	155
754	Cancer and AIDS. 2019 ,	1
753	Cancer and Infection. 2019, 97-114	

752	Fatty Acids, Gut Bacteria, and Immune Cell Function. 2019 , 151-164	3
751	The Human Microbiota and Asthma. 2019 , 57, 350-363	39
750	Short-chain fatty acids and gut microbiota in multiple sclerosis. 2019 , 139, 208-219	49
749	The role of microbiota in the pathogenesis of lupus: Dose it impact lupus nephritis?. 2019 , 139, 191-198	12
748	Immune Basis of Allergic Reactions to Food. 2019 , 29, 1-14	6
747	The Gut?Brain Axis in the Neuropsychological Disease Model of Obesity: A Classical Movie Revised by the Emerging Director "Microbiome". 2019 , 11,	30
746	The Role of Dietary Nutrients in Inflammatory Bowel Disease. 2018 , 9, 3183	77
745	Opioids and Sepsis: Elucidating the Role of the Microbiome and microRNA-146 2022 , 23,	1
744	In Vitro Probiotic Modulation of the Intestinal Microbiota and 2'Fucosyllactose Consumption in Fecal Cultures from Infants at Two Months of Age 2022 , 10,	1
743	Sophorolipid protects against early-weaning syndrome by improving the gut microenvironment in early-weaned piglets 2022 , 18, 8	О
742	The Role of the Gut Microbiota in the Pathogenesis of Diabetes 2022 , 23,	2
741	The Role of Faecalibacterium, Roseburia and Butyrate in Inflammatory Bowel Disease 2022,	O
740	Orange Pectin with Compact Conformation Effectively Alleviates Acute Colitis in Mice 2022,	О
739	The Human Gut Microbiome as a Potential Factor in Autism Spectrum Disorder 2022 , 23,	6
738	Gut Microbiome Alterations following Postnatal Iron Supplementation Depend on Iron Form and Persist into Adulthood 2022 , 14,	1
737	Role of Early Life Intestinal Microbiota in Modulating Immunity in Broiler Chickens. 2022 , 225-242	
736	Impact of antibiotics on the human microbiome and consequences for host health 2022, 11, e1260	17
735	Current advances in the anti-inflammatory effects and mechanisms of natural polysaccharides 2022 , 1-21	8

734	Chemoproteomic Analysis of Microbiota Metabolite-Protein Targets and Mechanisms 2022,	1
733	alleviates DSS-induced intestinal barrier dysfunction and inflammation in humanized mice. 2021,	5
732	Chestnut polysaccharides restore impaired spermatogenesis by adjusting gut microbiota and the intestinal structure 2021 ,	О
731	Helminth Therapy for Immune-Mediated Inflammatory Diseases: Current and Future Perspectives 2022 , 15, 475-491	O
730	Dynamic Alteration of the Gut Microbiota Associated with Obesity and Intestinal Inflammation in Ovariectomy C57BL/6 Mice 2022 , 2022, 6600158	0
729	Living Lab for Citizens' Wellness: A Case of Maintaining and Improving a Healthy Diet under the COVID-19 Pandemic 2022 , 19,	O
728	Gut Microbiome in Probable Intestinal Tuberculosis and Changes following Anti-Tuberculosis Treatment 2022 , 63, 34-41	1
727	How Microbes Affect Depression: Underlying Mechanisms via the Gut-Brain Axis and the Modulating Role of Probiotics 2022 , 23,	4
726	Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis 2021 , 12, 813890	8
725	A comprehensive framework for early-onset colorectal cancer research 2022 ,	7
725 724	A comprehensive framework for early-onset colorectal cancer research 2022, Gut Microbiome Composition as the Key Factor for Immunomodulation in the Host. 2022, 169-185	7
		0
724	Gut Microbiome Composition as the Key Factor for Immunomodulation in the Host. 2022 , 169-185 Intratumor Microbiome Analysis Identifies Positive Association Between and Survival of Chinese	
7 ² 4 7 ² 3	Gut Microbiome Composition as the Key Factor for Immunomodulation in the Host. 2022, 169-185 Intratumor Microbiome Analysis Identifies Positive Association Between and Survival of Chinese Patients With Pancreatic Ductal Adenocarcinomas 2022, 13, 785422 Healthy and pro-inflammatory gut ecology plays a crucial role in the digestion and tolerance of a novel Gluten Friendly/Dread in celiac subjects: a randomized, double blind, placebo control study	O
7 ² 4 7 ² 3	Gut Microbiome Composition as the Key Factor for Immunomodulation in the Host. 2022, 169-185 Intratumor Microbiome Analysis Identifies Positive Association Between and Survival of Chinese Patients With Pancreatic Ductal Adenocarcinomas 2022, 13, 785422 Healthy and pro-inflammatory gut ecology plays a crucial role in the digestion and tolerance of a novel Gluten FriendlyIbread in celiac subjects: a randomized, double blind, placebo control study 2022, Deciphering the influence of urinary microbiota on FoxP3+ regulatory T cell infiltration and	0
7 ² 4 7 ² 3 7 ² 2 7 ² 1	Gut Microbiome Composition as the Key Factor for Immunomodulation in the Host. 2022, 169-185 Intratumor Microbiome Analysis Identifies Positive Association Between and Survival of Chinese Patients With Pancreatic Ductal Adenocarcinomas 2022, 13, 785422 Healthy and pro-inflammatory gut ecology plays a crucial role in the digestion and tolerance of a novel Gluten FriendlyIbread in celiac subjects: a randomized, double blind, placebo control study 2022, Deciphering the influence of urinary microbiota on FoxP3+ regulatory T cell infiltration and prognosis in Chinese patients with non-muscle-invasive bladder cancer 2022, 35, 511 Alterations of gut bacteria Akkermansia muciniphila and Faecalibacterium prausnitzii in late	0
724 723 722 721 720	Gut Microbiome Composition as the Key Factor for Immunomodulation in the Host. 2022, 169-185 Intratumor Microbiome Analysis Identifies Positive Association Between and Survival of Chinese Patients With Pancreatic Ductal Adenocarcinomas 2022, 13, 785422 Healthy and pro-inflammatory gut ecology plays a crucial role in the digestion and tolerance of a novel Gluten Friendly/bread in celiac subjects: a randomized, double blind, placebo control study 2022, Deciphering the influence of urinary microbiota on FoxP3+ regulatory T cell infiltration and prognosis in Chinese patients with non-muscle-invasive bladder cancer 2022, 35, 511 Alterations of gut bacteria Akkermansia muciniphila and Faecalibacterium prausnitzii in late post-transplant period after liver transplantation. 45-51	0 0

716	Gut Dysbiosis and Immune System in Atherosclerotic Cardiovascular Disease (ACVD) 2022, 10,	4
715	Gut Microbiome Composition Linked to Inflammatory Factors and Cognitive Functions in First-Episode, Drug-Naive Major Depressive Disorder Patients 2021 , 15, 800764	1
714	Inflammation, stress, and gut-brain axis as therapeutic targets in bipolar disorder. 2022, 403-437	
713	Immunity and Nutrition: The Right Balance in Inflammatory Bowel Disease 2022, 11,	O
712	The Role of the Microbiota in Regeneration-Associated Processes 2021 , 9, 768783	O
711	MIND Diet Adherence Might be Associated with a Reduced Odds of Multiple Sclerosis: Results from a Case-Control Study 2022 , 11, 397	2
710	T Cell Responses to the Microbiota 2022 ,	7
709	Tumor microenvironment metabolites directing T cell differentiation and function 2021,	2
708	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling 2022, 546, 111572	10
707	Microbiote, immunit et diable de type 1. 2022 , 16, 134-134	O
707 706	Microbiote, immunit'et diable de type 1. 2022, 16, 134-134 Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease 2022,	2
	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and	
706	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease 2022, Interplay between Dysbiosis of Gut Microbiome, Lipid Metabolism, and Tumorigenesis: Can Gut	2
706 705	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease 2022, Interplay between Dysbiosis of Gut Microbiome, Lipid Metabolism, and Tumorigenesis: Can Gut Dysbiosis Stand as a Prognostic Marker in Cancer?. 2022, 2022, 2941248 Oral Administration of Z Alleviates Constipation and Cardiac Dysfunction in a Mouse Model of	2
706 705 704	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease 2022, Interplay between Dysbiosis of Gut Microbiome, Lipid Metabolism, and Tumorigenesis: Can Gut Dysbiosis Stand as a Prognostic Marker in Cancer?. 2022, 2022, 2941248 Oral Administration of Z Alleviates Constipation and Cardiac Dysfunction in a Mouse Model of Isoproterenol-Induced Heart Failure 2022, 4, 83-91	2
706 705 704 703	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease 2022, Interplay between Dysbiosis of Gut Microbiome, Lipid Metabolism, and Tumorigenesis: Can Gut Dysbiosis Stand as a Prognostic Marker in Cancer?. 2022, 2022, 2941248 Oral Administration of Z Alleviates Constipation and Cardiac Dysfunction in a Mouse Model of Isoproterenol-Induced Heart Failure 2022, 4, 83-91 Microbes and Parkinson's disease: from associations to mechanisms 2022, Intestinal butyrate-metabolizing species contribute to autoantibody production and bone erosion	2 4
706 705 704 703 702	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease 2022, Interplay between Dysbiosis of Gut Microbiome, Lipid Metabolism, and Tumorigenesis: Can Gut Dysbiosis Stand as a Prognostic Marker in Cancer?. 2022, 2022, 2941248 Oral Administration of Z Alleviates Constipation and Cardiac Dysfunction in a Mouse Model of Isoproterenol-Induced Heart Failure 2022, 4, 83-91 Microbes and Parkinson's disease: from associations to mechanisms 2022, Intestinal butyrate-metabolizing species contribute to autoantibody production and bone erosion in rheumatoid arthritis 2022, 8, eabm1511 Maternal microbiota-derived metabolic profile in fetal murine intestine, brain and placenta 2022,	2 4 1

698	Colonization of fecal microbiota from patients with neonatal necrotizing enterocolitis exacerbates intestinal injury in germfree mice subjected to necrotizing enterocolitis-induction protocol via alterations in butyrate and regulatory T cells 2021 , 19, 510	8
697	Calcitriol ameliorates damage in high-salt diet-induced hypertension: Evidence of communication with the gut-kidney axis 2021 , 15353702211062507	1
696	Gut Microbiota as Regulators of Th17/Treg Balance in Patients With Myasthenia Gravis 2021, 12, 803101	4
695	Managing Gut Microbiota through In Ovo Nutrition Influences Early-Life Programming in Broiler Chickens 2021 , 11,	7
694	Repeated mild traumatic brain injury affects microbial diversity in rat jejunum. 2019, 44,	4
693	Role of Microbiota in Antiviral Protection: Microbiota and Influenza. 2021 , 59, 130-136	
692	[Review] Improvement of 1-Kestose-Producing Enzyme. 2021 , 11, 66-71	
691	Gut-derived serotonin and its emerging roles in immune function, inflammation, metabolism and the gut-brain axis 2022 , 29, 177-182	2
690	Regulation of Host Immunity by the Gut Microbiota. 2022 , 105-140	
689	Firmicutes in Gut Microbiota Correlate with Blood Testosterone Levels in Elderly Men 2022,	2
688	Research Progress of Physiological Function of Short-Chain Fatty Acids in the Intestine. 2022 , 12, 939-945	
687	Long-term maternal intake of inulin exacerbated the intestinal damage and inflammation of offspring rats in a DSS-induced colitis model 2022 ,	O
686	Rewiring host-microbe interactions and barrier function during gastrointestinal inflammation 2022 , 10, goac008	O
685	Immunoregulatory Intestinal Microbiota and COVID-19 in Patients with Type Two Diabetes: A Double-Edged Sword 2022 , 14,	O
684	Regulation of tissue-resident memory T cells by the Microbiota 2022,	1
683	Intertwined Relationship of Mitochondrial Metabolism, Gut Microbiome and Exercise Potential 2022 , 23,	O
682	Exercise for the Diabetic Gut-Potential Health Effects and Underlying Mechanisms 2022, 14,	1
681	Fighting the SARS-CoV-2 pandemic requires a global approach to understanding the heterogeneity of vaccine responses 2022 ,	6

680	Probiotic normalization of systemic inflammation in siblings of type 1 diabetes patients: an open-label pilot study 2022 , 12, 3306	6
679	Lower caprylate and acetate levels in the breast milk is associated with atopic dermatitis in infancy 2022 , 33, e13744	O
678	A metabolically engineered bacterium controls autoimmunity by remodeling the pro-inflammatory microenvironment.	
677	How Does Epstein-Barr Virus Interact With Other Microbiomes in EBV-Driven Cancers?. 2022 , 12, 852066	О
676	Steroid-Refractory Gut Graft-Versus-Host Disease: What We Have Learned From Basic Immunology and Experimental Mouse Model 2022 , 13, 844271	
675	promotes liver metastasis in colorectal cancer by regulating the hepatic immune niche and altering gut microbiota 2022 , 14,	3
674	Effect of on Gastrointestinal Infections 2022 , 10,	1
673	Gut microbiota-drug interactions in cancer pharmacotherapies: implications for efficacy and adverse effects 2022 ,	2
672	Role of Dietary Supplements and Probiotics in Modulating Microbiota and Bone Health: The Gut-Bone Axis 2022 , 11,	5
671	Metabolism Characteristics of Th17 and Regulatory T Cells in Autoimmune Diseases 2022 , 13, 828191	1
670	The Role of the Intestine in the Development of Hyperuricemia 2022, 13, 845684	1
669	A Microbial Signature for Pediatric Perianal Crohn's Disease 2022 ,	О
668	Mechanical model of steady-state and inflammatory conditions in patients with relapsing polychondritis: A review 2022 , 101, e28852	О
667	Human Fecal Microbiota Transplantation Reduces the Susceptibility to Dextran Sulfate Sodium-Induced Germ-Free Mouse Colitis 2022 , 13, 836542	4
666	Mosaic theory revised: inflammation and salt play central roles in arterial hypertension 2022,	1
665	Effects of Gut Microbiota on Host Adaptive Immunity Under Immune Homeostasis and Tumor Pathology State 2022 , 13, 844335	O
664	Molecular Mechanisms of Tumor Immunomodulation in the Microenvironment of Colorectal Cancer 2022 , 23,	2
663	The toxic effects of endocrine disrupting chemicals (EDCs) on gut microbiota: Bisphenol A (BPA). A review 2022 ,	2

662	Short-Chain Fatty Acids Modulate Healthy Gut Microbiota Composition and Functional Potential 2022 , 79, 128	2
661	Gut microbiota and allergic diseases in children 2022,	1
660	Connecting the Dots Between the Gut-IGF-1-Prostate Axis: A Role of IGF-1 in Prostate Carcinogenesis 2022 , 13, 852382	2
659	The Bridge Between Ischemic Stroke and Gut Microbes: Short-Chain Fatty Acids 2022 , 1	O
658	Varied Composition and Underlying Mechanisms of Gut Microbiome in Neuroinflammation 2022 , 10,	O
657	The effects of dietary fibers from rice bran and wheat bran on gut microbiota: An overview 2022 , 13, 100252	5
656	Gut microbiota-derived short-chain fatty acids regulate group 3 innate lymphoid cells in HCC 2022,	1
655	Mucus sialylation determines intestinal host-commensal homeostasis 2022,	4
654	The dysbiosis gut microbiota induces the alternation of metabolism and imbalance of Th17/Treg in OSA patients 2022 , 204, 217	1
653	Food as Treatment of Inflammatory Bowel Diseases 2022 , e0058321	2
652	Rap1 prevents colitogenic Th17 cell expansion and facilitates Treg cell differentiation and distal TCR signaling 2022 , 5, 206	O
651	Association Between Gut Microbiota and Osteoarthritis: A Review of Evidence for Potential Mechanisms and Therapeutics 2022 , 12, 812596	2
650	Gut-derived butyrate suppresses ocular surface inflammation 2022, 12, 4512	O
649	Gut Microbiota From Sjgren syndrome Patients Causes Decreased T Regulatory Cells in the Lymphoid Organs and Desiccation-Induced Corneal Barrier Disruption in Mice 2022 , 9, 852918	O
648	Dietary Patterns and Gut Microbiota: the Crucial Actors in Inflammatory Bowel Disease 2022,	2
647	Interactions between the breast tissue microbiota and host gene regulation in nonpuerperal mastitis 2022 , 104904	
646	Understanding the Complexities and Changes of the Astronaut Microbiome for Successful Long-Duration Space Missions 2022 , 12,	3
645	Modulated Gut Microbiota for Potential COVID-19 Prevention and Treatment 2022 , 9, 811176	1

644	Functional Diversities of Regulatory T Cells in the Context of Cancer Immunotherapy 2022, 13, 833667	O
643	The Microbiome: the Link to Colorectal Cancer and Research Opportunities 2022 , 23, 631	
642	Microbe-Immune Crosstalk: Evidence That T Cells Influence the Development of the Brain Metabolome 2022 , 23,	1
641	Effects of Sophorolipid on Growth Performance, Organ Characteristics, Lipid Digestion Markers, and Gut Functionality and Integrity in Broiler Chickens 2022 , 12,	1
640	Therapeutic Effects of Berberine on Liver Fibrosis are associated With Lipid Metabolism and Intestinal Flora 2022 , 13, 814871	1
639	The Intestinal Microbiota and Metabolites in the Gut-Kidney-Heart Axis of Chronic Kidney Disease 2022 , 13, 837500	1
638	Clinical Relevance of the Microbiome in Pediatric Skin Disease: A Review 2022 , 40, 117-126	1
637	Butyrate Prevents Induction of CXCL10 and Non-Canonical IRF9 Expression by Activated Human Intestinal Epithelial Cells via HDAC Inhibition 2022 , 23,	O
636	Cellular Immune Signal Exchange From Ischemic Stroke to Intestinal Lesions Through Brain-Gut Axis 2022 , 13, 688619	0
635	Gut Microbiome and Metabolomics Profiles of Allergic and Non-Allergic Childhood Asthma 2022 , 15, 419-435	2
634	Soil causes gut microbiota to flourish and total serum IgE levels to decrease in mice 2022,	
633	Influence of Natural Polysaccharides on Intestinal Microbiota in Inflammatory Bowel Diseases: An Overview 2022 , 11,	2
632	Microbiome Modulation as a Novel Strategy to Treat and Prevent Respiratory Infections 2022, 11,	2
631	Down-regulation of the expression of cyclooxygenase-2 and prostaglandin E by interleukin-4 is mediated via a reduction in the expression of prostanoid EP4 receptors in HCA-7 human colon cancer cells 2022 , 920, 174863	O
630	The impact of the gut microbiota on T cell ontogeny in the thymus 2022 , 79, 221	1
629	The Role of Fecal Microbiota Transplantation in the Treatment of Acute Graft-versus-Host Disease 2022 , 10,	1
628	The barrier and beyond: Roles of intestinal mucus and mucin-type O-glycosylation in resistance and tolerance defense strategies guiding host-microbe symbiosis 2022 , 14, 2052699	0
627	Biological, Nutritive, Functional and Healthy Potential of Date Palm Fruit (Phoenix dactylifera L.): Current Research and Future Prospects. 2022 , 12, 876	3

626	The Influence of Gut Dysbiosis in the Pathogenesis and Management of Ischemic Stroke 2022, 11,	6
625	Dietary fat promotes antibiotic-induced Clostridioides difficile mortality in mice 2022 , 8, 15	О
624	Microbiome biomarkers associated with the gut contraction response elicited by the Japanese traditional medicine daikenchuto 2022 , 146262	1
623	Besin Alerjileri ve Mikrobiyota.	O
622	The Immunomodulatory Functions of Butyrate. 2021 , 14, 6025-6041	17
621	The effect of short chain fatty acids on M2 macrophages polarization in vitro and in vivo 2021,	3
620	Intestinal Barrier in Human Health and Disease. 2021 , 18,	17
619	Control of Foxp3 induction and maintenance by sequential histone acetylation and DNA demethylation 2021 , 37, 110124	O
618	The Gut-Liver Axis in Health and Disease: The Role of Gut Microbiota-Derived Signals in Liver Injury and Regeneration 2021 , 12, 775526	6
617	Non-alcoholic fatty liver disease: the interplay between metabolism, microbes and immunity 2021 , 3, 1596-1607	8
616	Gut Microbiota and SCFAs Play Key Roles in QingFei Yin Recipe Anti- Pneumonia Effects 2021, 11, 791466	2
615	Nicotine Oral Administration Attenuates DSS-Induced Colitis Through Upregulation of Indole in the Distal Colon and Rectum in Mice 2021 , 8, 789037	1
614	Gut microbiota features associated with Clostridioides difficile colonization in dairy calves 2021 , 16, e0251999	0
613	Toward a Paradigm to Distinguish Distinct Functions of FOXP3 Regulatory T Cells. 2021 , 5, 944-952	1
612	Changes in the gut microbiota after hepatitis C virus eradication. 2021 , 11, 23568	1
611	Contribution of Gut Microbiota to Immune Tolerance in Infants 2021 , 2021, 7823316	1
610	Lipid-based regulators of immunity.	О
609	Tolerability and short-chains fatty acids production after resistant starch supplementation in humans: A systematic review of randomized controlled studies. 2021 ,	4

608	Nutrition and Physical Activity-Induced Changes in Gut Microbiota: Possible Implications for Human Health and Athletic Performance 2021 , 10,	4
607	Recent Advances on the Role and Therapeutic Potential of Regulatory T Cells in Atherosclerosis 2021 , 10,	1
606	Directly recruited GATA6 + peritoneal cavity macrophages contribute to the repair of intestinal serosal injury 2021 , 12, 7294	1
605	Probiotics in prevention and treatment of cardiovascular diseases. 2021 , 67, 77-85	
604	New insight into pathophysiology and treatment of GVHD. 2022 , 11, 90-100	
603	Nutritional and Physiological Studies on Resistant Starch and Dietary Fiber. 2022 , 75, 63-69	
602	Dysbiosis in Inflammatory Bowel Disease: Pathogenic Role and Potential Therapeutic Targets 2022 , 23,	7
601	Ruminal bacteria lipopolysaccharides: an immunological and microbial outlook 2022 , 13, 41	
600	Enteric Nervous System: The Bridge Between the Gut Microbiota and Neurological Disorders 2022 , 14, 810483	1
599	Your Regulatory T Cells Are What You Eat: How Diet and Gut Microbiota Affect Regulatory T Cell Development 2022 , 9, 878382	O
598	Immune Regulation in Polycystic Ovary Syndrome 2022,	3
597	Lactobacillus plantarum strains attenuated DSS-induced colitis in mice by modulating the gut microbiota and immune response 2022 , 1	1
596	The Relationship Among Intestinal Bacteria, Vitamin K and Response of Vitamin K Antagonist: A Review of Evidence and Potential Mechanism 2022 , 9, 829304	1
595	(20R)-Panaxadiol as a Natural Active Component with Anti-Obesity Effects on ob/ob Mice via Modulating the Gut Microbiota 2022 , 27,	o
594	Colonization of the live biotherapeutic product VE303 and modulation of the microbiota and metabolites in healthy volunteers 2022 , 30, 583-598.e8	6
593	Exploring the Gut Microbiome in Myasthenia Gravis 2022 , 14,	2
592	Experimental colonization with Blastocystis ST4 is associated with protective immune responses and modulation of gut microbiome in a DSS-induced colitis mouse model 2022 , 79, 245	О
591	Gut Dysbiosis in Ocular Mucous Membrane Pemphigoid 2022 , 12, 780354	O

590	Mechanisms, therapeutic implications, and methodological challenges of gut microbiota and cardiovascular diseases: a position paper by the ESC Working Group on Coronary Pathophysiology and Microcirculation 2022 ,	2
589	Heterophil/Lymphocyte Ratio Level Modulates Resistance, Cecal Microbiota Composition and Functional Capacity in Infected Chicken 2022 , 13, 816689	1
588	Gut microbiome responses to dietary intervention with hypocholesterolemic vegetable oils 2022 , 8, 24	O
587	Data_Sheet_1.pdf. 2019 ,	
586	image_1.PDF. 2018 ,	
585	image_2.PDF. 2018 ,	
584	image_3.PDF. 2018 ,	
583	image_4.PDF. 2018 ,	
582	image_5.PDF. 2018 ,	
581	table_1.xlsx. 2018 ,	
580	Data_Sheet_1.docx. 2019 ,	
579	lmage_1.TIFF. 2019 ,	
578	Image_2.TIFF. 2019 ,	
577	Image_3.TIFF. 2019 ,	
576	Data_Sheet_1.PDF. 2020 ,	
575	Data_Sheet_10.PDF. 2020 ,	
574	Data_Sheet_2.PDF. 2020 ,	
573	Data_Sheet_3.PDF. 2020 ,	

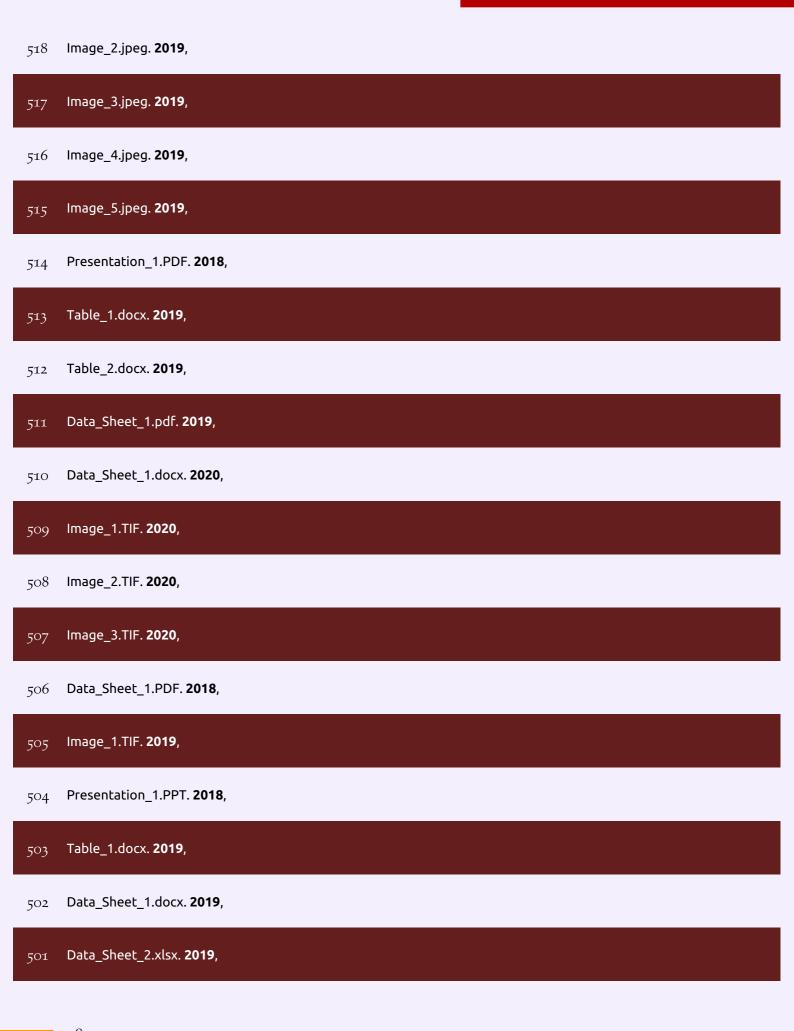
(2018-2020)

Data_Sheet_4.PDF. 2020, 572 Data_Sheet_5.PDF. 2020, 571 570 Data_Sheet_6.PDF. 2020, Data_Sheet_7.PDF. 2020, 569 568 Data_Sheet_8.PDF. 2020, Data_Sheet_9.PDF. 2020, 567 566 DataSheet_1.docx. 2020, Table_1.pdf. **2019**, 565 Table_1.XLSX. 2019, 564 563 DataSheet_1.pdf. 2020, Data_Sheet_1.PDF. 2020, 562 DataSheet_1.pdf. 2021, 561 560 Data_Sheet_1.DOCX. 2018, Image_1.TIF. 2018, 559 Image_2.TIF. 2018, 558 Image_3.TIF. **2018**, 557 556 Image_4.TIF. 2018, Image_5.TIF. 2018, 555



(2019-2020)





(2022-2019)

500	Data_Sheet_3.xlsx. 2019 ,	
499	Data_Sheet_4.xls. 2019 ,	
498	Table_1.docx. 2020 ,	
497	Data_Sheet_1.PDF. 2019 ,	
496	Image_1.TIF. 2020 ,	
495	Image_2.TIF. 2020 ,	
494	lmage_3.TIF. 2020 ,	
493	Data_Sheet_1.PDF. 2020 ,	
492	DataSheet_1.docx. 2020 ,	
491	Data_Sheet_1.PDF. 2020 ,	
490	Data_Sheet_1.pdf. 2020 ,	
489	Gut microbiome-mediated regulation of neuroinflammation 2022 , 76, 102177	2
488	Cancer immunotherapy resistance: The impact of microbiome-derived short-chain fatty acids and other emerging metabolites 2022 , 120573	О
487	The gut fungal and bacterial microbiota in pediatric patients with inflammatory bowel disease introduced to treatment with anti-tumor necrosis factor- 2022 , 12, 6654	1
486	Shotgun metagenomic sequencing revealed the prebiotic potential of a grain-based diet in mice 2022 , 12, 6748	О
485	Western lifestyle as a driver of dysbiosis in colorectal cancer. 2021 , 14,	O
484	Inflammatory potential of diet in mental disorders and psychosocial stress. 2022, 531-563	
483	Intestinal Flora as Initiatives of Autoimmunity. 2022 , 81-103	

Ameliorating efficacy of galacto-oligosaccharides on the ovalumin-induced allergic dermatitis symptoms in Balb/c mice via regulating Th2 immune response and the ecosystem of gut microbiota.

481	Immunomodulation by Gut Microbiome on Gastrointestinal Cancers: Focusing on Colorectal Cancer 2022 , 14,	O
480	Distal Consequences of Mucosal Infections in Intestinal and Lung Inflammation 2022, 13, 877533	O
479	Disordered development of gut microbiome interferes with the establishment of the gut ecosystem during early childhood with atopic dermatitis 2022 , 14, 2068366	1
478	White Matter Injury in Preterm Infants: Pathogenesis and Potential Therapy From the Aspect of the Gut-Brain Axis 2022 , 16, 849372	2
477	Nutrition during Pregnancy and Lactation: Epigenetic Effects on Infants' Immune System in Food Allergy 2022 , 14,	2
476	Microbiotas from Patients with Ulcerative Colitis Promotes Colorectal Carcinogenesis in Mice. 2022 , 111712	0
475	Alterations in microbiota of patients with COVID-19: potential mechanisms and therapeutic interventions 2022 , 7, 143	5
474	Messengers From the Gut: Gut Microbiota-Derived Metabolites on Host Regulation 2022, 13, 863407	4
473	Host-microbe interactions and outcomes in multiple myeloma and hematopoietic stem cell transplantation 2022 ,	2
472	Immune System Abnormalities in Schizophrenia: An Integrative View and Translational Perspectives 2022 , 13, 880568	6
471	Dysbiosis of the Female Murine Gut Microbiome Exacerbates Neutrophil-Mediated Vascular Allograft Injury by Affecting Immunoregulation by Acetate 2022 ,	
470	Antibiotic Treatment during Pregnancy Alters Offspring Gut Microbiota in a Sex-Dependent Manner. 2022 , 10, 1042	0
469	The Treatment with Interleukin 17 Inhibitors and Immune-Mediated Inflammatory Diseases. 2022 , 44, 1851-1866	O
468	Propionic Acid, Induced in Gut by an Inulin Diet, Suppresses Inflammation and Ameliorates Liver Ischemia and Reperfusion Injury in Mice 2022 , 13, 862503	1
467	Nasal dysbiosis in cutaneous T-cell lymphoma is characterized by shifts in relative abundances of non-Staphylococcus bacteria. 2022 , 100132	O
466	Oat lGlucan Ameliorates Renal Function and Gut Microbiota in Diabetic Rats. 2022, 9,	1
465	Multi-scale study of the oral and gut environments in children with high and low threshold peanut allergy 2022 ,	1

464	Microbial metabolite butyrate-prodrug polymeric micelles promote gut health and treat food allergies.	0
463	Psoriatic arthritis from a mechanistic perspective 2022,	2
462	Fecal Microbiota Transplantation Alters the Outcome of Hepatitis B Virus Infection in Mice. 2022 , 12,	O
461	Microbiota and the Response to Vaccines Against Respiratory Virus. 2022 , 13,	O
460	Butyrate administration is not sufficient to improve immune reconstitution in antiretroviral-treated SIV-infected macaques 2022 , 12, 7491	2
459	Gut Microbiome as a Mediator of Stress Resilience: A Reactive Scope Model Framework 2022,	O
458	A Non-Invasive Neonatal Signature Predicts Later Development of Atopic Diseases. 2022 , 11, 2749	О
457	Probiotic Escherichia coli Nissle 1917 Expressing Elafin Protects Against Inflammation and Restores the Gut Microbiota. 2022 , 13,	1
456	Impact of gut microenvironment on epigenetic signatures of intestinal T helper cell subsets 2022 , 246, 27-27	1
455	The impact of the gut microbiome on extra-intestinal autoimmune diseases 2022,	6
454	Effect of ancient Khorasan wheat on gut microbiota, inflammation, and short-chain fatty acid production in patients with fibromyalgia. 2022 , 28, 1965-1980	О
453	Resistant Maltodextrin Intake Reduces Virulent Metabolites in the Gut Environment: A Randomized Control Study in a Japanese Cohort. 2022 , 13,	О
452	Extracellular fructooligosaccharide degradation in Anaerostipes hadrus for co-metabolism with non-fructooligosaccharide utilizers 2022 , 613, 81-86	O
451	Lipid metabolism in T cell signaling and function 2022 , 18, 470-481	1
450	Tetrandrine, an immunosuppressive alkaloid isolated from Steohania tetrandra S. Moore, induces the generation of Treg cells through enhancing fatty acid oxidation 2022 ,	
449	Association of the gut microbiome with cancer immunotherapy 2022 , 1	
448	Identification of EPZ004777 and FG2216 as inhibitors of TGF-II induced Treg cells by screening a library of epigenetic compounds 2022 , 301, 120643	
447	Targeting the MGBA in epilepsy: New insights from preclinical and clinical studies 2022, 105758	О

446	Dietary Vitamin B1 Intake Influences Gut Microbial Community and the Consequent Production of Short-Chain Fatty Acids. 2022 , 14, 2078	1
445	Sodium butyrate reverses lipopolysaccharide-induced mitochondrial dysfunction in lymphoblasts 2022 ,	1
444	Fibrosis induced by chronic cholestatic diseases. 2022 , 193-207	
443	Sex Difference of Colorectal Cancer. 2022 , 301-339	
442	Comprehensive Analysis of the Butyrate-Metabolism-Related Gene Signature in Tumor Microenvironment-Infiltrating Immune Cells in Clear Cell Renal Cell Carcinoma. 2022 , 10,	О
441	Health Benefits of Dietary Fiber for the Management of Inflammatory Bowel Disease. 2022 , 10, 1242	3
440	Involvement of Gut Microbial Metabolites Derived from Diet on Host Energy Homeostasis. 2022 , 23, 5562	1
439	Clinical Translation of Microbiome Research in Alopecia Areata: A New Perspective?. 2022 , 9, 55	O
438	Local barriers configure systemic communications between the host and microbiota. 2022 , 376, 950-955	1
437	Phytotherapy in Integrative OncologyAn Update of Promising Treatment Options. 2022 , 27, 3209	O
436	An oral Buper probiotics with versatile self-assembly adventitia for enhanced intestinal colonization by autonomous regulating the pathological microenvironment. 2022 , 137204	2
435	Gut Microbiota Dysbiosis in BK Polyomavirus-Infected Renal Transplant Recipients: A Case-Control Study. 2022 , 12,	
434	The role of short-chain fatty acids in central nervous system diseases.	2
433	A Prebiotic Diet Alters the Fecal Microbiome and Improves Sleep in Response to Sleep Disruption in Rats. 2022 , 16,	О
432	Asthma and the Missing Heritability Problem: Necessity for Multiomics Approaches in Determining Accurate Risk Profiles. 2022 , 13,	0
431	Short-Chain Fatty Acids Augment Differentiation and Function of Human Induced Regulatory T Cells. 2022 , 23, 5740	O
430	Dietary Fiber Intake Is Related to Skeletal Muscle Mass, Body Fat Mass, and Muscle-to-Fat Ratio Among People With Type 2 Diabetes: A Cross-Sectional Study. 2022 , 9,	0
429	Fecal microbiota and bile acids in IBD patients undergoing screening for colorectal cancer. 2022, 14,	O

428	Current Strategies to Modulate Regulatory T Cell Activity in Allergic Inflammation. 13,	0
427	Translating Microbiome Research From and To the Clinic. 2022 , 76,	Ο
426	Regulation of Treg Cell Metabolism and Function in Non-Lymphoid Tissues. 13,	Ο
425	Microbial Dysbiosis Tunes the Immune Response Towards Allergic Disease Outcomes.	1
424	Changes of Short-Chain Fatty Acids and Their Receptors in an Obese Rat Model After Sleeve Gastrectomy.	
423	Effect of Probiotics/Synbiotics on Postoperative Outcomes in Patients Undergoing Abdominal Surgery. 2022 , 14, 10-19	
422	Bacteria and tumor: Understanding the roles of bacteria in tumor genesis and immunology. 2022 , 261, 127082	O
421	Bacteroides utilization for dietary polysaccharides and their beneficial effects on gut health. 2022 , 11, 1101-1110	O
420	Fatty Acids and Immunomodulation. 2022 , 439-462	
419	Probiotics: Promising Opportunity for Future Functional Foods. 2022 , 75-96	1
		_
418	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and Immunobiological Perspectives. 2022 , 69-93	1
418	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and	
	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and Immunobiological Perspectives. 2022 , 69-93	1
417	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and Immunobiological Perspectives. 2022 , 69-93 Alterations of the Gut Microbiome in Chinese Zhuang Ethnic Patients with Sepsis. 2022 , 2022, 1-9 Noninvasive fecal metabolic profiling for the evaluation of characteristics of thermostable lactic	1 0
417 416	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and Immunobiological Perspectives. 2022 , 69-93 Alterations of the Gut Microbiome in Chinese Zhuang Ethnic Patients with Sepsis. 2022 , 2022, 1-9 Noninvasive fecal metabolic profiling for the evaluation of characteristics of thermostable lactic acid bacteria, Weizmannia coagulans SANK70258, for broiler chickens. 2022 ,	1 0
417 416 415	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and Immunobiological Perspectives. 2022, 69-93 Alterations of the Gut Microbiome in Chinese Zhuang Ethnic Patients with Sepsis. 2022, 2022, 1-9 Noninvasive fecal metabolic profiling for the evaluation of characteristics of thermostable lactic acid bacteria, Weizmannia coagulans SANK70258, for broiler chickens. 2022, The Role of Early Life Microbiota Composition in the Development of Allergic Diseases. 2022, 10, 1190	1 0 0
417 416 415 414	Probiotics as Efficacious Therapeutic Option for Treating Gut-Related Diseases: Molecular and Immunobiological Perspectives. 2022, 69-93 Alterations of the Gut Microbiome in Chinese Zhuang Ethnic Patients with Sepsis. 2022, 2022, 1-9 Noninvasive fecal metabolic profiling for the evaluation of characteristics of thermostable lactic acid bacteria, Weizmannia coagulans SANK70258, for broiler chickens. 2022, The Role of Early Life Microbiota Composition in the Development of Allergic Diseases. 2022, 10, 1190 Lipids from gut microbiota: pursuing a personalized treatment. 2022, Compositional changes in fecal microbiota associated with clinical phenotypes and prognosis in	1 0 0

410	Microbiome-associated human genetic variants impact phenome-wide disease risk. 2022, 119,	1
409	Genetic tracing reveals transcription factor Foxp3-dependent and Foxp3-independent functionality of peripherally induced Treg cells. 2022 ,	1
408	Therapeutic Effect of Buyang Huanwu Decoction on the Gut Microbiota and Hippocampal Metabolism in a Rat Model of Cerebral Ischemia. 12,	O
407	Fatty Acids as a Tool to Boost Cancer Immunotherapy Efficacy. 9,	2
406	Targeting the gut to prevent and counteract metabolic disorders and pathologies during aging. 1-26	O
405	Review of glucose oxidase as a feed additive: production, engineering, applications, growth-promoting mechanisms, and outlook. 1-18	1
404	The Gut Microbiota (Microbiome) in Cardiovascular Disease and Its Therapeutic Regulation. 12,	4
403	The Microbiome as a Gateway to Prevention of Allergic Disease Development. 2022,	1
402	Saireito, a Japanese herbal medicine, alleviates leaky gut associated with antibiotic-induced dysbiosis in mice. 2022 , 17, e0269698	O
401	Vegetarianism, Microbiota and Cardiovascular health: Looking back, and forward.	1
400	Regulation of thermoregulatory behavior by commensal bacteria in Drosophila.	
399	Nutraceuticals for the Treatment of IBD: Current Progress and Future Directions. 9,	O
398	Gut Microbiota Characteristics Are Associated With Severity of Acute Radiation-Induced Esophagitis. 13,	О
397	A probiotic mix partially protects against castration-induced bone loss in male mice. 2022 , 254, 91-101	1
396	Associations between intestinal microbiota, fecal properties, and dietary fiber conditions: The Japanese traditional medicine Junchoto ameliorates dietary fiber deficitInduced constipation with F/B ratio alteration in rats. 2022 , 152, 113263	O
395	The emerging role of microbiota-derived short-chain fatty acids in immunometabolism. 2022 , 110, 108983	1
394	Diet-gut microbiota-epigenetics in metabolic diseases: From mechanisms to therapeutics. 2022 , 153, 113290	3
393	CHAPTER 8. The Gut Microbiome and Metabolic Surgery. 2022 , 173-195	

Dynamic change of fecal microbiota and metabolomics in a polymicrobial murine sepsis model. **2022**, 9,

391	Gut microbiome and type 2 diabetes. 2022 ,	
390	TREGking From Gut to Brain: The Control of Regulatory T Cells Along the Gut-Brain Axis. 13,	1
389	Mitochondrial Function and Microbial Metabolites as Central Regulators of Intestinal Immune Responses and Cancer. 13,	
388	Microbiome in Immune-Mediated Uveitis. 2022 , 23, 7020	0
387	A designer diet layout for astronauts using a microbiome mediated approach.	O
386	Gut Microbiota, Leaky Gut, and Autoimmune Diseases. 13,	1
385	A prebiotic diet modulates microglial states and motor deficits in Esynuclein overexpressing mice.	
384	The Gut Microbiome Composition Is Altered in Long-Standing Type 1 Diabetes and Associates With Glycemic Control and Disease-Related Complications.	4
383	Determination of short-chain fatty acids by N,N-dimethylethylenediamine derivatization combined with liquid chromatography/mass spectrometry and their implication in influenza virus infection.	O
382	Reciprocal Interactions Between Regulatory T Cells and Intestinal Epithelial Cells. 13,	О
381	Different Dose of Sucrose Consumption Divergently Influences Gut Microbiota and PPAR-AMAPK/NF-B Pathway in DSS-Induced Colitis Mice. 2022, 14, 2765	1
380	Transplantation of bacteriophages from ulcerative colitis patients shifts the gut bacteriome and exacerbates the severity of DSS colitis. 2022 , 10,	1
379	Nano-Al2O3 particles affect gut microbiome and resistome in an in vitro simulator of the human colon microbial ecosystem. 2022 , 129513	O
378	Wnt5A Signaling Regulates Gut Bacterial Survival and T cell Homeostasis.	1
377	Effects of Salinity on the Growth, Physiological Characteristics, and Intestinal Microbiota of the Echiura Worm (Urechis unicinctus). 9,	
376	Role of dietary fiber in promoting immune health An EAACI position paper.	4
375	Emerging role of human microbiome in cancer development and response to therapy: special focus on intestinal microflora. 2022 , 20,	5

Changes in Gut Microbiome Upon Orchiectomy and Testosterone Administration in AOM/DSS-Induced Colon Cancer Mouse Model.

373	Facts and Hopes for Gut Microbiota Interventions in Cancer Immunotherapy. OF1-OF15	2
372	Changes of intestinal microbiota and microbiota-based treatments in IBD. 2022, 204,	1
371	In Silico Genomic and Metabolic Atlas of Limosilactobacillus reuteri DSM 20016: An Insight into Human Health. 2022 , 10, 1341	
370	Gut Microbiota and Immunotherapy. 13,	3
369	Impact of the Exposome on the Epigenome in Inflammatory Bowel Disease Patients and Animal Models. 2022 , 23, 7611	2
368	Regulation of intestinal immunity by dietary fatty acids.	0
367	A Glimpse Into the Microbiome of Sjgren Syndrome. 13,	O
366	Swimming Impedes Intestinal Microbiota and Lipid Metabolites of Tumorigenesis in Colitis-Associated Cancer. 12,	1
365	The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. 2022 , 14, 2872	3
364	Improvement of chronic GVHD after oral treatment with Clostridium butyricum (Miya BM). 2022 , 76, 102612	
363	Moxibustion exhibits therapeutic effects on spinal cord injury via modulating microbiota dysbiosis and macrophage polarization.	o
362	Microbiota and glomerulonephritis; an immunological point of view. 2022,	0
361	CD4+ T cell metabolism, gut microbiota, and autoimmune diseases: Implication in precision medicine of autoimmune diseases.	3
360	Gut microbiome: A potential indicator for predicting treatment outcomes in major depressive disorder. 16,	1
359	Association Between Proton Pump Inhibitor Therapy and Spontaneous Bacterial Peritonitis Occurrence in Cirrhotic Patients: A Clinical Review.	
358	Regulation of CD4+ and CD8+ T Cell Biology by Short-Chain Fatty Acids and Its Relevance for Autoimmune Pathology. 2022 , 23, 8272	1
357	Microbial short-chain fatty acids: a strategy to tune adoptive T cell therapy. 2022 , 10, e004147	3

356	Gut Microbiota Future Therapeutic Target for People with Non-Alcoholic Fatty Liver Disease: A Systematic Review. 2022 , 23, 8307	0
355	Innate antiviral immunity: how prior exposures can guide future responses. 2022,	1
354	Gut microbiome is associated with metabolic syndrome accompanied by elevated gamma-glutamyl transpeptidase in men. 12,	1
353	Tumor microbiome metabolism: A game changer in cancer development and therapy. 12,	1
352	Lactobacillus spp. act in synergy to attenuate splenomegaly and lymphadenopathy in lupus-prone MRL/lpr mice. 13,	
351	The gut microbiota: a double-edged sword in endometriosis.	O
350	Butyrate-producing Eubacterium rectale suppresses lymphomagenesis by alleviating the TNF-induced TLR4/MyD88/NF- B axis. 2022 , 30, 1139-1150.e7	2
349	Therapeutic potential of Short Chain Fatty acid production by gut microbiota in Neurodegenerative disorders. 2022 ,	O
348	The female reproductive tract microbiotas, inflammation, and gynecological conditions. 4,	1
347	Human immune and gut microbial parameters associated with inter-individual variations in COVID-19 mRNA vaccine-induced immunity.	
346	Metabolic profiles of regulatory T cells and their adaptations to the tumor microenvironment: implications for antitumor immunity. 2022 , 15,	2
345	Microbiota-derived short-chain fatty acids: Implications for cardiovascular and metabolic disease. 9,	O
344	Dysbiosis: Gut feeling. 11, 911	
343	The contribution of the intestinal microbiome to immune recovery after HCT. 13,	1
342	Short-chain fatty acids affect the development of inflammatory bowel disease through intestinal barrier, immunology, and microbiota: A promising therapy?.	1
341	Influence of Foods and Nutrition on the Gut Microbiome and Implications for Intestinal Health. 2022 , 23, 9588	2
340	Regulatory T cells in skeletal muscle repair and regeneration: recent insights. 2022, 13,	О
339	Special Diets in Infants and Children and Impact on Gut Microbioma. 2022 , 14, 3198	2

338	Lycium barbarum Glycopeptide prevents the development and progression of acute colitis by regulating the composition and diversity of the gut microbiota in mice. 12,	O
337	Preservation of fecal microbiome is associated with reduced severity of Graft-versus-Host Disease.	О
336	The systemic anti-microbiota IgG repertoire can identify gut bacteria that translocate across gut barrier surfaces. 2022 , 14,	1
335	Gut immune cell trafficking: inter-organ communication and immune-mediated inflammation.	3
334	Enterohepatic shunt-driven cholemia predisposes to liver cancer. 2022,	O
333	The dark side of Tregs during aging. 13,	O
332	Distinct changes in the colonic microbiome associated with acute diverticulitis.	0
331	Histone Deacetylase Inhibition by Gut Microbe-Generated Short-Chain Fatty Acids Entrains Intestinal Epithelial Circadian Rhythms. 2022 ,	O
330	Preventive and synbiotic effects of the soluble dietary fiber obtained from Lentinula edodes byproducts and Lactobacillus plantarum LP90 against dextran sulfate sodium-induced colitis in mice.	O
329	Gut Microbiota Modulation as a Novel Therapeutic Strategy in Cardiometabolic Diseases. 2022 , 11, 2575	1
328	Host-microbiota interactions shaping T-cell response and tolerance in type 1 diabetes. 13,	О
327	Oral administration of Blautia wexlerae ameliorates obesity and type 2 diabetes via metabolic remodeling of the gut microbiota. 2022 , 13,	3
326	The interplay between Helicobacter pylori and the gut microbiota: An emerging driver influencing the immune system homeostasis and gastric carcinogenesis. 12,	О
325	The PROVIT Study E ffects of Multispecies Probiotic Add-on Treatment on Metabolomics in Major Depressive Disorder Randomized, Placebo-Controlled Trial. 2022 , 12, 770	1
324	Novel perspective on the regulation of food allergy by probiotic: The potential of its structural components. 1-15	1
323	Microbial Metabolites Orchestrate a Distinct Multi-Tiered Regulatory Network in the Intestinal Epithelium That Directs P-Glycoprotein Expression.	O
322	Atractylone Alleviates Ethanol-Induced Gastric Ulcer in Rat with Altered Gut Microbiota and Metabolites. Volume 15, 4709-4723	
321	Nature vs. nurture: FOXP3, genetics, and tissue environment shape Treg function. 13,	O

320	Ruminal Microbiota Determines the High-Fiber Utilization of Ruminants: Evidence from the Ruminal Microbiota Transplant.	О
319	The role of the gut microbiota in multiple sclerosis.	1
318	Signaling networks controlling ID and E protein activity in T cell differentiation and function. 13,	O
317	Low-dose interleukin-2 shapes a tolerogenic gut microbiota that improves autoimmunity and gut inflammation.	1
316	Changes in the Gut Microbiome and Pathologies in Pregnancy. 2022 , 19, 9961	0
315	Biological roles of toll-like receptors and gut microbiota in colorectal cancer. 2022 , 17, 1071-1089	
314	Rectal administration of butyrate ameliorates pulmonary fibrosis in mice through induction of hepatocyte growth factor in the colon via the HDAC-PPAR[pathway. 2022, 120972	О
313	The multifaceted roles of common gut microbiota in immune checkpoint inhibitor-mediated colitis: From mechanism to clinical application. 13,	O
312	Diet, microbiota, and the mucus layer: The guardians of our health. 13,	2
311	Unveiling the influence of ultrasonic-assisted lipolysis: A pilot study of short-chain fatty acid profiling in human milk based on mass spectrometry. 2022 , 1, 100097	1
310	Intestinal microbiome changes in an infant with right atrial isomerism and recurrent necrotizing enterocolitis: A case report and review of literature. 10, 10583-10599	О
309	Specific activation of hypoxia-inducible factor-2 by propionate metabolism via a Ebxidation-like pathway stimulates MUC2 production in intestinal goblet cells. 2022 , 155, 113672	О
308	The berberine-enriched gut commensal Blautia producta ameliorates high-fat diet (HFD)-induced hyperlipidemia and stimulates liver LDLR expression. 2022 , 155, 113749	3
307	Molecular hydrogen has a positive impact on pregnancy maintenance through enhancement of mitochondrial function and immunomodulatory effects on T cells. 2022 , 308, 120955	О
306	Gut microbiome in multiple sclerosis-related cognitive impairment. 2022 , 67, 104165	O
305	Fruit by-products as potential prebiotics and promising functional ingredients to produce fermented milk. 2022 , 161, 111841	О
304	Co-culture fermentations suggest cross-feeding among Bacteroides ovatus DSMZ 1896, Lactiplantibacillus plantarum WCFS1 and Bifidobacterium adolescentis DSMZ 20083 for utilizing dietary galactomannans. 2022 , 162, 111942	2
303	Microorganisms in the Pathogenesis and Management of Spondyloarthritis. 2022, 419-458	О

302	Probiotics Action Against Biofilms. 2022 , 99-125	О
301	Microorganisms in Pathogenesis and Management of Rheumatoid Arthritis. 2022, 387-417	O
300	Combined Non-Invasive Prediction and New Biomarkers of Oral and Fecal Microbiota in Patients With Gastric and Colorectal Cancer. 12,	1
299	Rebooting Regulatory T Cell and Dendritic Cell Function in Immune-Mediated Inflammatory Diseases: Biomarker and Therapy Discovery under a Multi-Omics Lens. 2022 , 10, 2140	O
298	Do Bacteria Provide an Alternative to Cancer Treatment and What Role Does Lactic Acid Bacteria Play?. 2022 , 10, 1733	0
297	Changes in intestinal bacteria and imbalances of metabolites induced in the intestines of pancreatic ductal adenocarcinoma patients in a Japanese population: a preliminary result. 1-6	O
296	Comparison of Bacterial and Fungal Community Structure and Potential Function Analysis of Yak Feces before and after Weaning. 2022 , 2022, 1-17	0
295	Antibiotic-induced depletion of Clostridium species increases the risk of secondary fungal infections in preterm infants. 12,	1
294	Plant Antioxidants Affect Human and Gut Health, and Their Biosynthesis Is Influenced by Environment and Reactive Oxygen Species. 2022 , 2, 348-370	O
293	The gut microbiotaBile acid axis: A potential therapeutic target for liver fibrosis. 12,	O
292	Gut Microbiome and the Immune System. 2022 , 22-34	0
291	Immunopathology of Behcet Disease: An Overview of the Metagenomic Approaches. 2022 , 2, 74-86	O
290	Exploiting dietary fibre and the gut microbiota in pelvic radiotherapy patients.	0
289	Emodin modulates gut microbial community and triggers intestinal immunity.	0
288	From germ-free to wild: modulating microbiome complexity to understand mucosal immunology.	1
287	The potential mechanism of the microbiota-gut-bone axis in osteoporosis: a review.	0
286	Antimicrobial drug use and the risk of glioma: A caseBontrol study.	O
285	Communication in non-communicable diseases (NCDs) and role of immunomodulatory nutraceuticals in their management. 9,	O

284	The genetic and evolution characterization of the gut microbiota in pigs.	O
283	Propionate Alleviates Abdominal Aortic´Aneurysm by Modulating Colonic´Regulatory T-Cell Expansion and ´Recirculation. 2022 , 7, 934-947	Ο
282	Gut microbiome and breast-feeding: Implications for early immune development. 2022, 150, 523-534	4
281	Microbiota-dependent histone butyrylation in the mammalian intestine.	O
280	Regulatory T cells in rheumatoid arthritis: functions, development, regulation, and therapeutic potential. 2022 , 79,	1
279	Inhibition of Th1 activation and differentiation by dietary guar gum ameliorates experimental autoimmune encephalomyelitis. 2022 , 40, 111328	0
278	Moonlighting glyceraldehyde-3-phosphate dehydrogenase (GAPDH) protein of Lactobacillus gasseri attenuates allergic asthma via immunometabolic change in macrophages. 2022 , 29,	0
277	The Correlation of Short-Chain Fatty Acids with Peripheral Arterial Disease in Diabetes Mellitus Patients. 2022 , 12, 1464	1
276	Dietary supplementation with fermented plant product modulates production performance, egg quality, intestinal mucosal barrier, and cecal microbiota in laying hens. 13,	Ο
275	Gut Bacteria and Neurotransmitters. 2022 , 10, 1838	
, ,	dat Bacteria and Nedrotransmitteers. 2022 , 10, 1030	6
274	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic fatigue syndrome patients. 2022 , 8,	0
	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic	
274	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic fatigue syndrome patients. 2022 , 8, Sequestration of gut pathobionts in intraluminal casts, a mechanism to avoid dysregulated T cell	0
² 74	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic fatigue syndrome patients. 2022 , 8, Sequestration of gut pathobionts in intraluminal casts, a mechanism to avoid dysregulated T cell activation by pathobionts. 2022 , 119,	0
²⁷⁴ ²⁷³ ²⁷²	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic fatigue syndrome patients. 2022, 8, Sequestration of gut pathobionts in intraluminal casts, a mechanism to avoid dysregulated T cell activation by pathobionts. 2022, 119, The Impact of Short-Chain Fatty Acids on Neonatal Regulatory T Cells. 2022, 14, 3670 Selective serotonin reuptake inhibitors and inflammatory bowel disease; Beneficial or malpractice.	0 1 1
274 273 272 271	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic fatigue syndrome patients. 2022, 8, Sequestration of gut pathobionts in intraluminal casts, a mechanism to avoid dysregulated T cell activation by pathobionts. 2022, 119, The Impact of Short-Chain Fatty Acids on Neonatal Regulatory T Cells. 2022, 14, 3670 Selective serotonin reuptake inhibitors and inflammatory bowel disease; Beneficial or malpractice. 13, The Impact of Low-Viscosity Soluble Dietary Fibers on Intestinal Microenvironment and Experimental Colitis: A Possible Preventive Application of Alpha-Cyclodextrin in Intestinal	0 1 1
274 273 272 271 270	Systemic antibody responses against human microbiota flagellins are overrepresented in chronic fatigue syndrome patients. 2022, 8, Sequestration of gut pathobionts in intraluminal casts, a mechanism to avoid dysregulated T cell activation by pathobionts. 2022, 119, The Impact of Short-Chain Fatty Acids on Neonatal Regulatory T Cells. 2022, 14, 3670 Selective serotonin reuptake inhibitors and inflammatory bowel disease; Beneficial or malpractice. 13, The Impact of Low-Viscosity Soluble Dietary Fibers on Intestinal Microenvironment and Experimental Colitis: A Possible Preventive Application of Alpha-Cyclodextrin in Intestinal Inflammation. 2200063	0 1 1 0

266	Gut microbiota-dependent adaptor molecule recruits DNA methyltransferase to the TLR4 gene in colonic epithelial cells to suppress inflammatory reactions. 9,	О
265	The role of gut microbiota in liver regeneration. 13,	1
264	The NQR pathway regulates the immunomodulatory function ofBacteroides thetaiotaomicron.	O
263	circSMAD4 Promotes Experimental Colitis and Impairs Intestinal Barrier Functions by Targeting Janus Kinase 2 Through Sponging miR-135a-5p.	O
262	Gut Microbiota-Derived Short-Chain Fatty Acids: Impact on Cancer Treatment Response and Toxicities. 2022 , 10, 2048	1
261	Role of the microbiome and its metabolites in ankylosing spondylitis. 13,	1
260	GENETIC DIVERSITY OF CATTLE INTESTINAL BACTERIA DETECTED BY HIGH-OUTPUT SEQUENCING. 2022 , 27-36	О
259	Inflammation and Impaired Gut Physiology in Post-operative Ileus: Mechanisms and the Treatment Options. 2022 , 28, 517-530	1
258	Crosstalk between the gut microbiome and host immune response in ulcerative colitis: Nonpharmacological strategies to improve homeostasis.	1
257	The role of the gut microbiota in health and cardiovascular diseases. 2022 , 3,	3
256	Gut bacterial aromatic amine production: aromatic amino acid decarboxylase and its effects on peripheral serotonin production. 2022 , 14,	0
255	Butyrate Mitigates Lipopolysaccharide-Induced Intestinal Morphological Changes in Weanling Piglets by Regulating the Microbiota and Energy Metabolism, and Alleviating Inflammation and Apoptosis. 2022 , 10, 2001	O
254	The Role of the Gut Microbiome in Cow® Milk Allergy: A Clinical Approach. 2022, 14, 4537	О
253	Regulation of T cell repertoires by commensal microbiota. 12,	O
252	GLP-1 and GLP-2 Orchestrate Intestine Integrity, Gut Microbiota, and Immune System Crosstalk. 2022 , 10, 2061	1
251	Intestinal histomorphological and molecular alterations in patients with Parkinson's disease.	O
250	Helminths and Bacterial Microbiota: The Interactions of Two of Humans IDld Friends I2022, 23, 13358	О
249	Nutrition in Canine and Feline Gastrointestinal Disease. 2022 , 3, 109-119	O

248	The Potential Impact of Age on Gut Microbiota in Patients with Major Depressive Disorder: A Secondary Analysis of the Prospective Observational Study. 2022 , 12, 1827	Ο
247	Inulin fibre promotes microbiota-derived bile acids and type 2 inflammation.	3
246	Specific alterations of gut microbiota in patients with membranous nephropathy: A systematic review and meta-analysis. 13,	Ο
245	Localization and movement of Tregs in gastrointestinal tract: a systematic review. 2022 , 42,	О
244	Immunomodulatory fecal metabolites are associated with mortality in COVID-19 patients with respiratory failure. 2022 , 13,	3
243	Gut microbiome and Parkinson's disease: Perspective on Pathogenesis and Treatment. 2022,	О
242	The role of gut microbiota and its metabolites short-chain fatty acids in food allergy. 2023, 12, 702-710	О
241	The Microbiome in Critically Ill Patients. 2022 , 103-140	Ο
240	The Role of the Gut Microbiota in the Relationship Between Diet and Human Health. 2023, 85,	Ο
239	Targeting keystone species helps restore the dysbiosis of butyrate-producing bacteria in nonalcoholic fatty liver disease.	Ο
238	A Concise Review of Liquid Chromatography-Mass Spectrometry-Based Quantification Methods for Short Chain Fatty Acids as Endogenous Biomarkers. 2022 , 23, 13486	0
237	The associations of maternal and children gut microbiota with the development of atopic dermatitis for children aged 2 years. 13,	O
236	Regulatory T´cells as metabolic sensors. 2022 , 55, 1981-1992	О
235	Intestinal microbiota: A promising therapeutic target for hypertension. 9,	Ο
234	Endocrinal metabolic regulation on the skeletal system in post-menopausal women. 13,	1
233	Gut Microbiota Host G ene Interaction. 2022 , 23, 13717	O
232	Interactions between Dietary Micronutrients, Composition of the Microbiome and Efficacy of Immunotherapy in Cancer Patients. 2022 , 14, 5577	O
231	Extracellular ATP: A powerful inflammatory mediator in the central nervous system. 2022 , 109333	1

230	Fucoidan Ameliorated Dextran Sulfate Sodium-Induced Ulcerative Colitis by Modulating Gut Microbiota and Bile Acid Metabolism.	O
229	Role of CAR T Cell Metabolism for Therapeutic Efficacy. 2022 , 14, 5442	O
228	Altered fecal microbiome and metabolome in adult patients with non-cystic fibrosis bronchiectasis. 2022 , 23,	0
227	Gut microbiome in type 1 diabetes: the immunological perspective.	O
226	Gut microbiota analysis for prediction of clinical relapse in Crohn⊞ disease. 2022 , 12,	O
225	Research Progress on the Role and Mechanism of Short Chain Fatty Acidsin Hypertensive Disorders of Pregnancy. 2022 , 12, 10333-10341	O
224	Indole acetylated high-amylose maize starch: Synthesis, characterization and application for amelioration of colitis. 2023 , 302, 120425	O
223	Identification of key bacterial taxa and metabolic pathways affecting gut organic acid profiles in early life. 2021 , 32, 107-118	O
222	Regional pattern and signatures of gut microbiota in rural residents with coronary heart disease: A metagenomic analysis. 12,	O
221	Uptake and Advanced Therapy of Butyrate in Inflammatory Bowel Disease. 2022 , 2, 692-702	1
220	The impact of aging on intestinal mucosal immune function and clinical applications. 13,	O
219	Proteomics reveals unique identities of human TGF-Induced and thymus-derived CD4+ regulatory T cells. 2022 , 12,	O
218	Effects of Dietary Fiber on Growth Performance, Nutrient Digestibility and Intestinal Health in Different Pig Breeds. 2022 , 12, 3298	O
217	Immunomodulation by Food: Novel Collaborations between Food Components and Microbiota. 2022 , 68, S126-S127	O
216	Neurorehabilitation in Multiple Sclerosis Review of Present Approaches and Future Considerations. 2022 , 11, 7003	O
215	Intestinal endogenous metabolites affect neuroinflammation in 5 EAD mice by mediating "gut-brain" axis and the intervention with Chinese Medicine.	O
214	The Potential Health Benefits of Brown Rice.	О
213	Vitamin B5 rewires Th17 cell metabolism via impeding PKM2 nuclear translocation. 2022 , 41, 111741	O

212	The immunomodulatory roles of the gut microbiome in autoimmune diseases of the central nervous system: Multiple sclerosis as a model. 2022 , 102957	О
211	Intestinal fungi and systemic autoimmune diseases. 2022 , 103234	O
210	The Role of the Microbiome on the Pathogenesis and Treatment of Colorectal Cancer. 2022, 14, 5685	0
209	Soluble dietary fiber and cellulose from Saccharina japonica by-product ameliorate Loperamide-induced constipation via modulating enteric neurotransmitters, short-chain fatty acids and gut microbiota. 2022 ,	O
208	Bone loss is ameliorated by fecal microbiota transplantation through SCFA/GPR41/IGF1 pathway in sickle cell disease mice. 2022 , 12,	1
207	A metabolically engineered bacterium controls autoimmunity and inflammation by remodeling the pro-inflammatory microenvironment. 2022 , 14,	O
206	An insight on the eye bacterial microbiota and its role on dry eye disease.	О
205	Dietary enrichment of resistant starches or fibers differentially alter the feline fecal microbiome and metabolite profile. 2022 , 4,	О
204	Liangxue Tongyu Prescription Alleviates Brain Damage in Acute Intracerebral Hemorrhage Rats by Regulating Intestinal Mucosal Barrier Function. 2022 , 2022, 1-15	О
203	Treatment of peanut allergy and colitis in mice via the intestinal release of butyrate from polymeric micelles.	1
202	Gut microbiota modulates lung fibrosis severity following acute lung injury in mice. 2022, 5,	1
201	Environmental influences on childhood asthmallhe effect of diet and microbiome on asthma. 2022 , 33,	О
200	The novel sustained 3-hydroxybutyrate donor poly-D -3-hydroxybutyric acid prevents inflammatory bowel disease through upregulation of regulatory T-cells. 2023 , 37,	О
199	Diet as a modifiable factor in tumorigenesis: Focus on microbiome-derived bile acid metabolites and short-chain fatty acids. 2022 , 135320	О
198	Effects of Lactobacillus plantarum and Pediococcus acidilactici co-fermented feed on growth performance and gut microbiota of nursery pigs. 9,	1
197	Exposure to Antibiotics and Neurodevelopmental Disorders: Could Probiotics Modulate the Gut B rain Axis?. 2022 , 11, 1767	1
196	Markers of immune dysregulation in response to the ageing gut: insights from aged murine gut microbiota transplants. 2022 , 22,	0
195	Microbiota and environmental health monitoring of mouse colonies by metagenomic shotgun sequencing. 2023 , 39,	O

194	Localized butyrate restores gut homeostasis.	O
193	New insights into bacterial mechanisms and potential intestinal epithelial cell therapeutic targets of inflammatory bowel disease. 13,	O
192	Epigenetics in depression and gut-brain axis: A molecular crosstalk. 14,	3
191	Butyrate ameliorates inflammation of alcoholic liver disease by suppressing the LPS-TLR4-NF-B/NLRP3 axis via binding GPR43-Farrestin2. 2022 , 99, 105351	O
190	Vancomycin protects against acute respiratory distress syndrome by promoting butyrate metabolism.	O
189	Effects of Bifidobacterium with the Ability of 2?-Fucosyllactose Utilization on Intestinal Microecology of Mice. 2022 , 14, 5392	O
188	Alterations of the gut microbiota in coronavirus disease 2019 and its therapeutic potential. 28, 6689-6701	2
187	Wnt5A Signaling Regulates Gut Bacterial Survival and T Cell Homeostasis. 2022 , 7,	O
186	The gut microbiome: linking dietary fiber to inflammatory diseases. 2022, 14, 100070	0
185	Short-chain fatty acid-mediated epigenetic modulation of inflammatory T cells in vitro.	O
184	Intratumor microbiome features reveal antitumor potentials of intrahepatic cholangiocarcinoma. 2023 , 15,	0
183	Dietary fiber and SCFAs in the regulation of mucosal immunity. 2022,	O
182	Short Chain Fatty Acid Metabolism in Relation to Gut Microbiota and Genetic Variability. 2022, 14, 5361	3
181	Dexmedetomidine alleviates acute lung injury by promoting Tregs differentiation via activation of AMPK/SIRT1 pathway.	O
180	Gastrointestinal microbiota: A predictor of COVID-19 severity?. 28, 6328-6344	2
179	The Human Respiratory Microbiome: Current Understandings and Future Directions.	O
178	Phytochemicals as Chemo-Preventive Agents and Signaling Molecule Modulators: Current Role in Cancer Therapeutics and Inflammation. 2022 , 23, 15765	О
177	Prolonged gut microbial alterations in post-transplant survivors of allogeneic haematopoietic stem cell transplantation.	1

176	Gut microbiota in dementia with Lewy bodies. 2022, 8,	O
175	Ameliorating Role of Hydrogen-Rich Water Against NSAID-Induced Enteropathy via Reduction of ROS and Production of Short-Chain Fatty Acids.	Ο
174	Brain modulation by the gut microbiota: From disease to therapy. 2022 ,	1
173	Microbiota and their metabolites potentiate cancer immunotherapy: Therapeutic target or resource for small molecule drug discovery?. 13,	O
172	Stable isotope tracing in vivo reveals a metabolic bridge linking the microbiota to host histone acetylation. 2022 , 41, 111809	О
171	Computational estimation of sediment symbiotic bacterial structures of seagrasses overgrowing downstream of onshore aquaculture. 2022 , 115130	O
170	Gut Microbiota Promotes Immune Tolerance by Regulating RORE+ Treg Cells in Food Allergy. 2022 , 2022, 1-9	O
169	Immune mechanism of gut microbiota and its metabolites in the occurrence and development of cardiovascular diseases. 13,	O
168	Gut Microbiome Composition in Patients with Chronic Urticaria: A Review of Current Evidence and Data. 2023 , 13, 152	0
167	Inclusion of Soybean Hulls (Glycine max) and Pupunha Peach Palm (Bactris gasipaes) Nanofibers in the Diet of Growing Rabbits: Effects on Zootechnical Performance and Intestinal Health. 2023 , 13, 192	Ο
166	The Effect of the Gut Microbiota on Transplanted Kidney Function. 2023, 24, 1260	O
165	The splicing isoform Foxp3½ releases the autoinhibitory conformation and differentially regulates tTregs and pTregs homeostasis.	O
164	Electro-acupuncture treatment ameliorates intestinal inflammatory injury in cerebral ischemia-reperfusion rats via regulating the balance of Treg / 🛽 cells. 2023 , 148233	0
163	Context-Dependent Regulation of Type17 Immunity by Microbiota at the Intestinal Barrier. 2022 , 22,	2
162	Ageing of the Gut Microbiome and Its Potential Contribution Towards Immunesenescence and Inflammaging. 2023 , 41-63	O
161	Efficacy of 1-kestose supplementation in patients with mild to moderate ulcerative colitis: A randomised, double-blind, placebo-controlled pilot study.	O
160	Immunometabolism and microbial metabolites at the gut barrier: lessons for therapeutic intervention in Inflammatory Bowel Disease. 2023 ,	0
159	Immunological consequences of microbiome-based therapeutics. 13,	Ο

158	Early infancy dysbiosis in food protein-induced enterocolitis syndrome: a prospective cohort study.	0
157	Association between microbiota and immune response to Sars-CoV-2 infection. 2023 ,	O
156	Dietary supplement of mushrooms promotes SCFA production and moderately associates with IgA production: A pilot clinical study. 9,	0
155	Host metabolic benefits of prebiotic exopolysaccharides produced by Leuconostoc mesenteroides. 2023 , 15,	O
154	An oral cancer vaccine using a Bifidobacterium vector enhances the efficacy of combination therapy with anti-PD-1 and anti-CTLA-4 antibodies in a mouse renal cell carcinoma model.	O
153	The arginine dihydrolase pathway shapes human gut microbial community assembly, functions, and mammalian host colonization.	O
152	Gut Microbiome in Health and Gastrointestinal Cancer. 2023 , 5-21	O
151	Clostridium butyricum Can Promote Bone Development by Regulating Lymphocyte Function in Layer Pullets. 2023 , 24, 1457	O
150	Gut Microbial-Derived Metabolites as Immune Modulators of T Helper 17 and Regulatory T Cells. 2023 , 24, 1806	1
149	Effects of kefir fermented milk beverage on sodium dextran sulfate (DSS)-induced colitis in rats. 2023 , 9, e12707	0
148	Airway microbiome-immune crosstalk in chronic obstructive pulmonary disease. 13,	0
147	Colonic TRPV4 overexpression is related to constipation severity. 2023 , 23,	1
146	Immunity orchestrates a bridge in gut-brain axis of neurodegenerative diseases. 2023, 101857	0
145	RGI-Type Pectic Polysaccharides Modulate Gut Microbiota in a Molecular Weight-Dependent Manner In Vitro.	0
144	The crosstalk between the gut microbiota and tumor immunity: Implications for cancer progression and treatment outcomes. 13,	0
143	Effects of periodontal pathogen-induced intestinal dysbiosis on transplant immunity in an allogenic skin graft model. 2023 , 13,	O
142	Within-host evolution of the gut microbiome. 2023 , 71, 102258	0
141	Role of Gut Microbiome in Immune Regulation and Immune Checkpoint Therapy of Colorectal Cancer.	O

140	Gut microbiome modulation by probiotics, prebiotics, synbiotics and postbiotics: a novel strategy in food allergy prevention and treatment. 1-17	2
139	Exogenous antibiotic resistance gene contributes to intestinal inflammation by modulating the gut microbiome and inflammatory cytokine responses in mouse. 2023 , 15,	O
138	Lactobacillus gasseri JM1 Isolated from Infant Feces Alleviates Colitis in Mice via Protecting the Intestinal Barrier. 2023 , 15, 139	O
137	L-fucose reduces gut inflammation due to T-regulatory response in Muc2 null mice. 2022 , 17, e0278714	О
136	The potential role of short chain fatty acids improving ex vivo T and CAR-T cell fitness and expansion for cancer immunotherapies. 14,	O
135	Housing temperature plays a critical role in determining gut microbiome composition in research mice: Implications for experimental reproducibility. 2023 ,	O
134	Symbiotic microbes from the human gut. 2023 , 533-549	O
133	Research Progress of Intestinal Microecology in the Pathogenesis of Colorectal Adenoma and Carcinogenesis. 2023 , 22, 153303382211359	O
132	Canna starch improves immune functions and the intestinal environment in mice. 2023,	О
131	Mexican Colorectal Cancer Research Consortium (MEX-CCRC): Etiology, Diagnosis/Prognosis, and Innovative Therapies. 2023 , 24, 2115	1
130	Understanding the role of the gut microbiome in gastrointestinal cancer: A review. 14,	О
129	Revisiting the Etarved gut[hypothesis in inflammatory bowel disease. 2023, 5, e0016	O
128	Effect of soluble oat fiber on intestinal microenvironment and TNBS-induced colitis.	O
127	Crosstalk between Gut Microbiota and Host Immunity: Impact on Inflammation and Immunotherapy. 2023 , 11, 294	1
126	Immune-Related Adverse Events of the Gastrointestinal System. 2023, 15, 691	О
125	Effects of stress and mindfulness on epigenetics. 2023,	O
124	Metabolic Contributions to Pathobiology of Asthma. 2023 , 13, 212	1
123	Autoimmunity and inflammation. 2023 , 11-17	O

122	Gut Microbial Metabolites on Host Immune Responses in Health and Disease. 2023 , 23,	1
121	Rheumatic diseases: The microbiota-immunity axis in development and treatment. 2023 , 83-111	O
120	Spore germinator-loaded polysaccharide microspheres ameliorate colonic inflammation and tumorigenesis through remodeling gut microenvironment. 2023 ,	O
119	Butyrate: More Than a Short Chain Fatty Acid.	O
118	Versatility of bacterial outer membrane vesicles in regulating intestinal homeostasis. 2023, 9,	O
117	Clostridioides difficile aggravates dextran sulfate solution (DSS)-induced colitis by shaping the gut microbiota and promoting neutrophil recruitment. 2023 , 15,	O
116	Ketogenic Diet Alleviates Renal Interstitial Fibrosis in UUO Mice by Regulating Macrophage Proliferation. 2023 , 109335	О
115	The Microbiome and Uveitis. 2023,	O
114	The Implication of the Gut Microbiome in Heart Failure. 2023 , 12, 1158	0
113	Effects of Lactobacillus casei NCU011054 on immune response and gut microbiota of cyclophosphamide induced immunosuppression mice. 2023 , 174, 113662	O
112	Microbiome in Behcet's syndrome. 2023 , 250, 109304	O
111	Understanding acidogenesis towards green hydrogen and volatile fatty acid production Critical analysis and circular economy perspective. 2023 , 464, 141550	2
110	The Microbiome and Central Nervous System Tumors. 2023 , 3, 97-105	0
109	Gut microbiota intervention by pre and probiotics can induce regulatory T cells and reduce the risk of severe acute GVHD following allogeneic hematopoietic stem cell transplantation. 2023 , 78, 101836	O
108	Role of microbiota short-chain fatty acids in the pathogenesis of autoimmune diseases. 2023 , 162, 114620	O
107	Microbiota-derived short-chain fatty acids and modulation of host-derived peptides formation: Focused on host defense peptides. 2023 , 162, 114586	O
106	Outrunning a bad diet: Interactions between exercise and a Western-style diet for adolescent mental health, metabolism and microbes. 2023 , 149, 105147	O
105	Microbial metabolites and immunotherapy: Basic rationale and clinical indications. 2023 , 67, 101755	O

104	A review on Impact of dietary interventions, drugs, and traditional herbal supplements on the gut microbiome. 2023 , 271, 127346	О
103	Microorganisms in Pathogenesis and Management of Behët Disease (BD). 2022 , 359-371	O
102	Future Therapeutic Prospects in Dealing with Autoimmune Diseases: Treatment Based on the Microbiome Model. 2022 , 489-520	О
101	Gut Microbiota in Colorectal Cancer: Biological Role and Therapeutic Opportunities. 2023, 15, 866	O
100	Indole Acetylated High-Amylose Maize Starch: Synthesis, Characterization and Application for Amelioration of Colitis.	О
99	The role of the gut microbiota and fecal microbiota transplantation in neuroimmune diseases. 14,	O
98	The direct correlation between microbiota and SARS-CoV-2 infectious disease.	О
97	Importance of the female reproductive tract microbiome and its relationship with the uterine environment for health and productivity in cattle: A review. 4,	О
96	A bibliometric analysis of the role of microbiota in trauma. 14,	O
95	Is there a role for microbiome-based approach in common variable immunodeficiency?.	О
94	Inflammaging as a target for healthy ageing. 2023 , 52,	2
94	Inflammaging as a target for healthy ageing. 2023 , 52, The multifaceted virulence of adherent-invasive Escherichia coli. 2023 , 15,	2
93	The multifaceted virulence of adherent-invasive Escherichia coli. 2023 , 15,	1
93	The multifaceted virulence of adherent-invasive Escherichia coli. 2023, 15, Microbiota-derived acetate enhances host antiviral response via NLRP3. 2023, 14,	1
93 92 91	The multifaceted virulence of adherent-invasive Escherichia coli. 2023, 15, Microbiota-derived acetate enhances host antiviral response via NLRP3. 2023, 14, Probiotics and Prebiotics: Any Role in Menopause-Related Diseases?. 2023, 12, 83-97 Assessing the Relationship between the Gut Microbiota and Inflammatory Bowel Disease	1 1 0
93 92 91 90	The multifaceted virulence of adherent-invasive Escherichia coli. 2023, 15, Microbiota-derived acetate enhances host antiviral response via NLRP3. 2023, 14, Probiotics and Prebiotics: Any Role in Menopause-Related Diseases?. 2023, 12, 83-97 Assessing the Relationship between the Gut Microbiota and Inflammatory Bowel Disease Therapeutics: A Systematic Review. 2023, 12, 262 Interaction between gut microbiota and sex hormones and their relation to sexual dimorphism in	1 1 0

86	Re-defining the Gut Heart Axis: A Systematic Review of the Literature on the Role of Gut Microbial Dysbiosis in Patients With Heart Failure. 2023 ,	O
85	The interaction between dietary fiber and gut microbiota, and its effect on pig intestinal health. 14,	O
84	The Gut Microbiome and Metastatic Renal Cell Carcinoma. 2023 , 12, 1502	0
83	Dietary fiber alters immunity and intestinal barrier function of different breeds of growing pigs. 14,	O
82	Can butyrate prevent colon cancer? The AusFAP study: A randomised, crossover clinical trial. 2023 , 32, 101092	O
81	Principles of regulatory T´cell function. 2023 , 56, 240-255	O
80	Unraveling the function of epithelial-mesenchymal transition (EMT) in colorectal cancer: Metastasis, therapy response, and revisiting molecular pathways. 2023 , 160, 114395	O
79	The potential role of nondigestible Raffinose family oligosaccharides as prebiotics.	O
78	Next-generation effects of fetal and lactational exposure to the neonicotinoid pesticide clothianidin on the immune system and gut microbiota. 2023 , 85, 434-442	O
77	Immunmodulation durch Ernfirung bei kritisch kranken Patienten. 2023 , 72, 229-244	O
76	Dynamic changes of the gut microbial colonization in preterm infants with different time points after birth. 14,	0
75	Modulation of immune function and changes in intestinal flora byBrassica rapaL. (Nozawana).	O
74	Two doses of Lactobacillus induced different microbiota profiles and serum immune indices in pigs. 2023 , 102, 105405	О
73	Microbiome compositions and fecal metabolite concentrations predict post-operative infection in liver transplant recipients.	O
72	Microbial Immune Crosstalk in Elderly-Onset Inflammatory Bowel Disease: Unchartered Territory.	0
71	Crosstalk between microbiome, regulatory T cells and HCA2 orchestrates the inflammatory response in a murine psoriasis model. 14,	O
70	Butyrate, valerate, and niacin ameliorate anaphylaxis by suppressing IgE-dependent mast cell activation: Roles of GPR109A, PGE2, and epigenetic regulation.	O
69	Probiotics in atopic dermatitis: Where do we stand?. 2023 , 20, 71	O

68	Butyrate Properties in Immune-Related Diseases: Friend or Foe?. 2023 , 9, 205	O
67	Gut microbiota composition during hospitalization is associated with 60-day mortality after severe COVID-19. 2023 , 27,	O
66	What the Gut Tells the Brain ß There a Link between Microbiota and Huntington⊠ Disease?. 2023 , 24, 4477	O
65	Human intestinal B cells in inflammatory diseases. 2023 , 20, 254-265	О
64	Microbiota-related metabolites fueling the understanding of ischemic heart disease.	0
63	Heat-Killed Enterococcus faecalis Inhibit FL83B Hepatic Lipid Accumulation and High Fat Diet-Induced Fatty Liver Damage in Rats by Activating Lipolysis through the Regulation the AMPK Signaling Pathway. 2023 , 24, 4486	О
62	Seminars in immunology special issue: Nutrition, microbiota and immunity The unexplored microbes in health and disease. 2023 , 66, 101735	О
61	A major mechanism for immunomodulation: Dietary fibres and acid metabolites. 2023 , 66, 101737	О
60	Immunologic Regulation of Health and Inflammation in the Intestine. 2023 , 15-32	O
59	Gut-Microbiota-Derived Metabolites Maintain Gut and Systemic Immune Homeostasis. 2023 , 12, 793	О
58	Microbial Components and Effector Molecules in T Helper Cell Differentiation and Function. 2023 , 23,	1
57	Changes in Gut Microbiota and Multiple Sclerosis: A Systematic Review. 2023 , 20, 4624	1
56	Interaction of gut microbiota with the tumor microenvironment: A new strategy for antitumor treatment and traditional Chinese medicine in colorectal cancer. 10,	0
55	Pivotal Role of Intestinal Microbiota and Intraluminal Metabolites for the Maintenance of Gut B one Physiology. 2023 , 24, 5161	О
54	Impact of oral microbiota on pathophysiology of GVHD. 14,	0
53	Targeting regulatory T cell metabolism in disease: Novel therapeutic opportunities.	О
52	The animal's microbiome and cancer: A translational perspective.	O
51	Programmed and environmental determinants driving neonatal mucosal immune development. 2023 , 56, 485-499	O

50	Targeting of chimeric antigen receptor T cell metabolism to improve therapeutic outcomes. 14,	0
49	Cross-Talk Between Gut Microbiota and Immune Cells and Its Impact on Inflammatory Diseases. 2023 , 139-162	O
48	Salmonella enhances osteogenic differentiation in adipose-derived mesenchymal stem cells. 11,	0
47	Olive-Derived Antioxidant Dietary Fiber Modulates Gut Microbiota Composition and Attenuates Atopic Dermatitis Like Inflammation in Mice.	O
46	Dietary supplementation with probiotics increases growth performance, improves the intestinal mucosal barrier and activates the Wnt/Eatenin pathway activity in chicks.	О
45	The impact of microbiome dysbiosis on T cell function within the tumor microenvironment (TME).	O
44	Dysbiosis and primary B-cell immunodeficiencies: current knowledge and future perspective.	0
43	Intestinal barrier dysfunction as a key driver of severe COVID-19. 12, 68-90	O
42	Therapeutic potential of Clostridium butyricum anticancer effects in colorectal cancer. 2023, 15,	0
41	Genome-resolved metagenomics of milk microbiomes reveals the influence of maternal dietary fiber on neonatal inheritance of immunoregulatory traits.	O
40	Succinate metabolism and its regulation of host-microbe interactions. 2023 , 15,	0
39	A Review of Gut Microbiota-Derived Metabolites in Tumor Progression and Cancer Therapy. 2207366	O
38	GLOBAL SIGNATURES OF THE MICROBIOME AND METABOLOME DURING HOSPITALIZATION OF SEPTIC PATIENTS. 2023 , 59, 716-724	0
37	Intestinal Microbiomics in Physiological and Pathological Conditions.	O
36	The Implication of Short-Chain Fatty Acids in Obesity and Diabetes. 2023, 16, 117863612311627	0
35	Impact of particulate microplastics generated from polyethylene terephthalate on gut pathology and immune microenvironments. 2023 , 26, 106474	O
34	Review: The Effect of In Utero Exposure to Maternal Inflammatory Bowel Disease and Immunomodulators on Infant Immune System Development and Function. 2023 ,	0
33	<i>Fusobacterium nucleatum</i> Induces Gut Dysbiosis and Inflammasome and Promotes Colonic Inflammation. 2023 , 21, 60-70	O

32	Dectin-1 signaling on colonic T cells promotes psychosocial stress responses. 2023 , 24, 625-636	O
31	Special feature. 2023 , 12, 203-208	O
30	Short chain fatty acids: key regulators of the local and systemic immune response in inflammatory diseases and infections. 2023 , 13,	O
29	The Commensal Anaerobe Veillonella dispar Reprograms Its Lactate Metabolism and Short-Chain Fatty Acid Production during the Stationary Phase. 2023 , 11,	O
28	Gut bacteria influence Blastocystis sp. phenotypes and may trigger pathogenicity. 2023, 17, e0011170	O
27	Exosomes, MDSCs and Tregs: A new frontier for GVHD prevention and treatment. 14,	O
26	Arresting microbiome development limits immune system maturation and resistance to infection in mice. 2023 , 31, 554-570.e7	О
25	Effect of Wheat-Derived Arabinoxylan on the Gut Microbiota Composition and Colonic Regulatory T Cells. 2023 , 28, 3079	O
24	Gut dysbiosis in autoimmune diseases: Association with mortality. 13,	O
23	Analysis of microbiota-host communication mediated by butyrate in Atlantic Salmon. 2023,	O
22	Role of the Microbiome in Malignancy. 2023 , 24, 271-275	O
21	Crosstalk between Gut Microbiota and Hepatocellular Carcinoma. 2023 , 5, 127-143	O
20	The associations of gut microbiota, endocrine system and bone metabolism. 14,	O
19	Deciphering Gut Microbiome Responses upon Microplastic Exposure via Integrating Metagenomics and Activity-Based Metabolomics. 2023 , 13, 530	O
18	Integrated Microbiota and Metabolite Changes following Rice Bran Intake during Murine Inflammatory Colitis-Associated Colon Cancer and in Colorectal Cancer Survivors. 2023 , 15, 2231	O
17	Abrupt Dietary Change and Gradual Dietary Transition Impact Diarrheal Symptoms, Fecal Fermentation Characteristics, Microbiota, and Metabolic Profile in Healthy Puppies. 2023 , 13, 1300	O
16	Assembling symbiotic bacterial species into live therapeutic consortia that reconstitute microbiome functions. 2023 , 31, 472-484	O
15	Obesity, but not high-fat diet, is associated with bone loss that is reversed via CD4+CD25+Foxp3+ Tregs-mediated gut microbiome of non-obese mice. 2023 , 7,	O

14	Prebiotic and Probiotic Modulation of the Microbiota©utBrain Axis in Depression. 2023, 15, 1880	O
13	The Leap of Inulin Fructans from Food Industry to Medical Application.	O
12	Gut microbiota and ionizing radiation-induced damage: Is there a link?. 2023, 229, 115947	O
11	Estimation of silent phenotypes of calf antibiotic dysbiosis. 2023 , 13,	O
10	Specific host metabolite and gut microbiome alterations are associated with bone loss during spaceflight. 2023 , 112299	O
9	cFOS expression in the prefrontal cortex correlates with altered cerebral metabolism in developing germ-free mice. 16,	O
8	Human immune and gut microbial parameters associated with inter-individual variations in COVID-19 mRNA vaccine-induced immunity. 2023 , 6,	О
7	Ginkgo biloba Extract Preventively Intervenes in Citrobacter Rodentium-Induced Colitis in Mice. 2023 , 15, 2008	O
6	Dietary Supplementation with the Probiotic SF68 Reinforces Intestinal Epithelial Barrier in Obese Mice by Improving Butyrate Bioavailability.	О
5	Systems Immunology Approaches to Metabolism. 2023 , 41, 317-342	O
4	Seryl-butyrate: a prodrug that enhances butyratell oral bioavailability and suppresses autoimmune arthritis and experimental autoimmune encephalomyelitis.	О
3	Phage-display immunoprecipitation sequencing of the antibody epitope repertoire in inflammatory bowel disease reveals distinct antibody signatures. 2023 ,	O
2	Probiotics in COVID-19 pandemic: when evidence lacks, rationale can still ease the way. 2023 , 69,	О
1	Butyrate inhibits Staphylococcus aureus-aggravated dermal IL-33 expression and skin inflammation through histone deacetylase inhibition. 14,	O