

Metabolites produced by commensal bacteria promote generation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microbiota: Host Interactions in Mucosal Homeostasis and Systemic Autoimmunity. Cold Spring Harbor Symposia on Quantitative Biology, 2013, 78, 193-201.	2.0	43
2	Gut Microbiome in Down Syndrome. PLoS ONE, 2014, 9, e112023.	1.1	51
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4	Epigenetics in T-cell Development and Function. Advances in Neuroimmune Biology, 2014, 5, 161-170.	0.7	1
5	Friends with social benefits: host-microbe interactions as a driver of brain evolution and development?. Frontiers in Cellular and Infection Microbiology, 2014, 4, 147.	1.8	118
6	Lymphoma Caused by Intestinal Microbiota. International Journal of Environmental Research and Public Health, 2014, 11, 9038-9049.	1.2	21
7	From lifetime to evolution: timescales of human gut microbiota adaptation. Frontiers in Microbiology, 2014, 5, 587.	1.5	91
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18	Potential of epigenetic therapies in non-cancerous conditions. Frontiers in Genetics, 2014, 5, 438.	1.1	32

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20	Global Metabolomic Profiling of Acute Myocarditis Caused by <i>Trypanosoma cruzi</i> Infection. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3337.	1.3	62
21	Fatty Acids, Lipid Mediators, and T-Cell Function. <i>Frontiers in Immunology</i> , 2014, 5, 483.	2.2	115
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1170	Methods to manufacture regulatory T cells for cell therapy. <i>Clinical and Experimental Immunology</i> , 2019, 197, 52-63.	1.1	76
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1190	Immunity, microbiota and kidney disease. <i>Nature Reviews Nephrology</i> , 2019, 15, 263-274.	4.1	80
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1193	Microbiome Dependent Regulation of Tregs and Th17 Cells in Mucosa. <i>Frontiers in Immunology</i> , 2019, 10, 426.	2.2	163
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1196	The short-chain fatty acid pentanoate suppresses autoimmunity by modulating the metabolic-epigenetic crosstalk in lymphocytes. <i>Nature Communications</i> , 2019, 10, 760.	5.8	275
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1201	Butyrate Makes Macrophages "Go Nuclear" against Bacterial Pathogens. <i>Immunity</i> , 2019, 50, 275-278.	6.6	8
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1205	Impacto de la microbiota intestinal en los pacientes con insuficiencia cardíaca: revisión sistemática. <i>Medicina Clínica</i> , 2019, 153, 402-409.	0.3	0
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1275	The gut-eye-lacrimal gland-microbiome axis in Sjögren Syndrome. <i>Ocular Surface</i> , 2020, 18, 335-344.	2.2	55
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1338	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased <i>Akkermansia muciniphila</i> in Mice. <i>Nutrients</i> , 2020, 12, 2932.	1.7	45
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1341	Fecal microbiota transplantation from warthog to pig confirms the influence of the gut microbiota on African swine fever susceptibility. <i>Scientific Reports</i> , 2020, 10, 17605.	1.6	15
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1344	Regulation of wheat germ polysaccharides in the immune response of mice from newborn to adulthood associated with intestinal microbiota. <i>Food and Function</i> , 2020, 11, 9662-9674.	2.1	9
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1506	Signaling networks in immunometabolism. <i>Cell Research</i> , 2020, 30, 328-342.	5.7	120
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1671	The Association of Gut Microbiota and Treg Dysfunction in Autoimmune Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1278, 191-203.	0.8	11
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1678	Dysbiotic microbiota interactions in Crohnâ€™s disease. <i>Gut Microbes</i> , 2021, 13, 1949096.	4.3	38
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1680	Microbiota metabolite butyrate constrains neutrophil functions and ameliorates mucosal inflammation in inflammatory bowel disease. <i>Gut Microbes</i> , 2021, 13, 1968257.	4.3	138
1681	Metformin: Targeting the Metabolo-Epigenetic Link in Cancer Biology. <i>Frontiers in Oncology</i> , 2020, 10, 620641.	1.3	5
1682	Immunological Impact of Intestinal T Cells on Metabolic Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 639902.	2.2	8
1683	Gastrointestinal Helminth Infection Improves Insulin Sensitivity, Decreases Systemic Inflammation, and Alters the Composition of Gut Microbiota in Distinct Mouse Models of Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2020, 11, 606530.	1.5	17
1684	Phenotype, Susceptibility, Autoimmunity, and Immunotherapy Between Kawasaki Disease and Coronavirus Disease-19 Associated Multisystem Inflammatory Syndrome in Children. <i>Frontiers in Immunology</i> , 2021, 12, 632890.	2.2	53
1685	Microbiota Modulation of the Gut-Lung Axis in COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 635471.	2.2	138

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1687	Gut Microbiota Profile in Pediatric Patients With Inflammatory Bowel Disease: A Systematic Review. <i>Frontiers in Pediatrics</i> , 2021, 9, 626232.	0.9	27
1688	Gastrointestinal microbiota composition predicts peripheral inflammatory state during treatment of human tuberculosis. <i>Nature Communications</i> , 2021, 12, 1141.	5.8	28
1689	An Antibiotic-Impacted Microbiota Compromises the Development of Colonic Regulatory T Cells and Predisposes to Dysregulated Immune Responses. <i>MBio</i> , 2021, 12, .	1.8	29
1690	Modulating gut microbiota in a mouse model of Gravesâ€™ orbitopathy and its impact on induced disease. <i>Microbiome</i> , 2021, 9, 45.	4.9	41
1691	New Insights Into the Cancerâ€™Microbiomeâ€™Immune Axis: Decrypting a Decade of Discoveries. <i>Frontiers in Immunology</i> , 2021, 12, 622064.	2.2	91
1692	Intestinal Bacteria Encapsulated by Biomaterials Enhance Immunotherapy. <i>Frontiers in Immunology</i> , 2020, 11, 620170.	2.2	3
1693	Microbial-derived antigens and metabolites in spondyloarthritis. <i>Seminars in Immunopathology</i> , 2021, 43, 163-172.	2.8	10
1694	A single strain of <i>Bacteroides fragilis</i> protects gut integrity and reduces GVHD. <i>JCI Insight</i> , 2021, 6, .	2.3	43
1695	MicroRNAs overexpressed in Crohnâ€™s disease and their interactions with mechanisms of epigenetic regulation explain novel aspects of Crohnâ€™s disease pathogenesis. <i>Clinical Epigenetics</i> , 2021, 13, 39.	1.8	6
1696	Progress in understanding of mechanism of dietary therapy for ulcerative colitis with regard to intestinal microbiota. <i>World Chinese Journal of Digestology</i> , 2021, 29, 146-151.	0.0	0
1697	Intestinal bacteria are potential biomarkers and therapeutic targets for gastric cancer. <i>Microbial Pathogenesis</i> , 2021, 151, 104747.	1.3	25
1698	Butyrate Shapes Immune Cell Fate and Function in Allergic Asthma. <i>Frontiers in Immunology</i> , 2021, 12, 628453.	2.2	80
1699	Perinatal and Early-Life Nutrition, Epigenetics, and Allergy. <i>Nutrients</i> , 2021, 13, 724.	1.7	82
1700	Antimicrobial Prophylaxis and Modifications of the Gut Microbiota in Children with Cancer. <i>Antibiotics</i> , 2021, 10, 152.	1.5	4
1701	Role of Probiotics and Their Metabolites in Inflammatory Bowel Diseases (IBDs). <i>Gastroenterology Insights</i> , 2021, 12, 56-66.	0.7	22
1702	Metabolic support of tumour-infiltrating regulatory T cells by lactic acid. <i>Nature</i> , 2021, 591, 645-651.	13.7	492
1703	Consumption of Dietary Fiber from Different Sources during Pregnancy Alters Sow Gut Microbiota and Improves Performance and Reduces Inflammation in Sows and Piglets. <i>MSystems</i> , 2021, 6, .	1.7	43

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1706	The role of the intestinal microbiota in allogeneic HCT: clinical associations and preclinical mechanisms. <i>Current Opinion in Genetics and Development</i> , 2021, 66, 25-35.	1.5	11
1707	Regulation of Intestinal Inflammation by Dietary Fats. <i>Frontiers in Immunology</i> , 2020, 11, 604989.	2.2	36
1708	Tumor-Associated Microbiome: Where Do We Stand?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1446.	1.8	31
1709	Therapeutic interventions and mechanisms associated with gut microbiota-mediated modulation of immune checkpoint inhibitor responses. <i>Microbes and Infection</i> , 2021, 23, 104804.	1.0	5
1710	Prostaglandin E ₂ promotes intestinal inflammation via inhibiting microbiota-dependent regulatory T cells. <i>Science Advances</i> , 2021, 7, .	4.7	44
1711	The autoimmune response as a potential target for tolerance induction before the development of rheumatoid arthritis. <i>Lancet Rheumatology</i> , The, 2021, 3, e214-e223.	2.2	1
1712	The Nerves to Conduct a Multiple Sclerosis Crime Investigation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2498.	1.8	1
1713	The gut microbiota metabolite urolithin A inhibits NF- κ B activation in LPS stimulated BMDMs. <i>Scientific Reports</i> , 2021, 11, 7117.	1.6	32
1714	Interleukin-6 produced by enteric neurons regulates the number and phenotype of microbe-responsive regulatory T cells in the gut. <i>Immunity</i> , 2021, 54, 499-513.e5.	6.6	63
1716	Treg-associated monogenic autoimmune disorders and gut microbial dysbiosis. <i>Pediatric Research</i> , 2022, 91, 35-43.	1.1	9
1717	Understanding intestinal health in nursery pigs and the relevant nutritional strategies. <i>Animal Bioscience</i> , 2021, 34, 338-344.	0.8	30
1718	Polymicrobial communities in periodontal disease: Their quasi-organismal nature and dialogue with the host. <i>Periodontology 2000</i> , 2021, 86, 210-230.	6.3	126
1719	The role of short-chain fatty acids in intestinal barrier function, inflammation, oxidative stress, and colonic carcinogenesis. <i>Pharmacological Research</i> , 2021, 165, 105420.	3.1	245
1720	Key bacterial taxa and metabolic pathways affecting gut short-chain fatty acid profiles in early life. <i>ISME Journal</i> , 2021, 15, 2574-2590.	4.4	131
1721	Gut microbiota-derived metabolites in the regulation of host immune responses and immune-related inflammatory diseases. <i>Cellular and Molecular Immunology</i> , 2021, 18, 866-877.	4.8	175
1722	The Effects of <i>Helicobacter pylori</i> Infection on Microbiota Associated With Gastric Mucosa and Immune Factors in Children. <i>Frontiers in Immunology</i> , 2021, 12, 625586.	2.2	13
1723	Regulation of Intestinal Stem Cell Stemness by the Aryl Hydrocarbon Receptor and Its Ligands. <i>Frontiers in Immunology</i> , 2021, 12, 638725.	2.2	9

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1725	Separating the wheat from the chaff: Making sense of Treg heterogeneity for better adoptive cellular therapy. <i>Immunology Letters</i> , 2021, 239, 96-112.	1.1	4
1726	Immunosuppressive effect of mesenchymal stem cells on lung and gut CD8 ⁺ T cells in lipopolysaccharide-induced acute lung injury in mice. <i>Cell Proliferation</i> , 2021, 54, e13028.	2.4	31
1727	Microbiota in Gut, Oral Cavity, and Mitral Valves Are Associated With Rheumatic Heart Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 643092.	1.8	19
1728	Microbial Metabolites in Colorectal Cancer: Basic and Clinical Implications. <i>Metabolites</i> , 2021, 11, 159.	1.3	23
1729	The Gut/Lung Microbiome Axis in Obesity, Asthma, and Bariatric Surgery: A Literature Review. <i>Obesity</i> , 2021, 29, 636-644.	1.5	29
1730	Predictive Metagenomic Analysis of Autoimmune Disease Identifies Robust Autoimmunity and Disease Specific Microbial Signatures. <i>Frontiers in Microbiology</i> , 2021, 12, 621310.	1.5	21
1731	Gut Microbiome over a Lifetime and the Association with Hypertension. <i>Current Hypertension Reports</i> , 2021, 23, 15.	1.5	10
1732	The Role of Intestinal Flora in the Regulation of Bone Homeostasis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 579323.	1.8	20
1733	Associations of serum short-chain fatty acids with circulating immune cells and serum biomarkers in patients with multiple sclerosis. <i>Scientific Reports</i> , 2021, 11, 5244.	1.6	41
1734	Interplay Between the Intestinal Microbiota and Acute Graft-Versus-Host Disease: Experimental Evidence and Clinical Significance. <i>Frontiers in Immunology</i> , 2021, 12, 644982.	2.2	15
1735	Intestinal Mucosal Wound Healing and Barrier Integrity in IBD—Crosstalk and Trafficking of Cellular Players. <i>Frontiers in Medicine</i> , 2021, 8, 643973.	1.2	52
1736	Effect of Yuzu (<i>Citrus junos</i>) Seed Limonoids and Spermine on Intestinal Microbiota and Hypothalamic Tissue in the Sandhoff Disease Mouse Model. <i>Medical Sciences (Basel, Switzerland)</i> , 2021, 9, 17.	1.3	3
1737	The Interplay between the Gut Microbiome and the Immune System in the Context of Infectious Diseases throughout Life and the Role of Nutrition in Optimizing Treatment Strategies. <i>Nutrients</i> , 2021, 13, 886.	1.7	100
1738	A literature survey on antimicrobial and immune-modulatory effects of butyrate revealing non-antibiotic approaches to tackle bacterial infections. <i>European Journal of Microbiology and Immunology</i> , 2021, 11, 1-9.	1.5	13
1739	Rapid transcriptional and metabolic adaptation of intestinal microbes to host immune activation. <i>Cell Host and Microbe</i> , 2021, 29, 378-393.e5.	5.1	52
1740	Impaired Butyrate Induced Regulation of T Cell Surface Expression of CTLA-4 in Patients with Ulcerative Colitis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3084.	1.8	6
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1743	The microbiome links between aging and lupus. <i>Autoimmunity Reviews</i> , 2021, 20, 102765.	2.5	6
1744	Dysbiosis in the Development of Type I Diabetes and Associated Complications: From Mechanisms to Targeted Gut Microbes Manipulation Therapies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2763.	1.8	10
1745	Immunological and genetic features of pathogenetic association between psoriasis and colonic dysbiosis. <i>Russian Journal of Infection and Immunity</i> , 2021, 11, 237-248.	0.2	2
1746	Genetic Approaches Using Zebrafish to Study the Microbiotaâ€“Gutâ€“Brain Axis in Neurological Disorders. <i>Cells</i> , 2021, 10, 566.	1.8	26
1747	Effect of fecal microbiota transplantation on neurological restoration in a spinal cord injury mouse model: involvement of brain-gut axis. <i>Microbiome</i> , 2021, 9, 59.	4.9	97
1748	Immune System, Microbiota, and Microbial Metabolites: The Unresolved Triad in Colorectal Cancer Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 612826.	2.2	70
1749	Impact of Dietary Flavanols on Microbiota, Immunity and Inflammation in Metabolic Diseases. <i>Nutrients</i> , 2021, 13, 850.	1.7	35
1750	Relating Gut Microbiome and Its Modulating Factors to Immunotherapy in Solid Tumors: A Systematic Review. <i>Frontiers in Oncology</i> , 2021, 11, 642110.	1.3	32
1751	Microbiome-immune interactions in tuberculosis. <i>PLoS Pathogens</i> , 2021, 17, e1009377.	2.1	28
1752	Vitamin D and Microbiota: Is There a Link with Allergies?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4288.	1.8	42
1753	B lymphocytes, the gastrointestinal tract and autoimmunity. <i>Autoimmunity Reviews</i> , 2021, 20, 102777.	2.5	10
1754	Interrogating the Impact of Intestinal Parasite-Microbiome on Pathogenesis of COVID-19 in Sub-Saharan Africa. <i>Frontiers in Microbiology</i> , 2021, 12, 614522.	1.5	19
1755	Control of lymphocyte functions by gut microbiota-derived short-chain fatty acids. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1161-1171.	4.8	160
1756	Connecting the dots: Targeting the microbiome in drug toxicity. <i>Medicinal Research Reviews</i> , 2022, 42, 83-111.	5.0	8
1757	The role of gut dysbiosis in Parkinsonâ€™s disease: mechanistic insights and therapeutic options. <i>Brain</i> , 2021, 144, 2571-2593.	3.7	119
1758	Immunosuppressive Mechanisms of Regulatory B Cells. <i>Frontiers in Immunology</i> , 2021, 12, 611795.	2.2	131
1759	The Gut Microbiome in Hypertension. <i>Circulation Research</i> , 2021, 128, 934-950.	2.0	86

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1761	Production and Function of Immunoglobulin A. <i>Annual Review of Immunology</i> , 2021, 39, 695-718.	9.5	41
1762	Asthma in the Precision Medicine Era: Biologics and Probiotics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4528.	1.8	35
1763	Short-Chain Fatty Acids, Maternal Microbiota and Metabolism in Pregnancy. <i>Nutrients</i> , 2021, 13, 1244.	1.7	81
1764	Bacteroidetes Species Are Correlated with Disease Activity in Ulcerative Colitis. <i>Journal of Clinical Medicine</i> , 2021, 10, 1749.	1.0	67
1765	Innate Mechanisms in Selective IgA Deficiency. <i>Frontiers in Immunology</i> , 2021, 12, 649112.	2.2	14
1766	Tumor resident regulatory T cells. <i>Seminars in Immunology</i> , 2021, 52, 101476.	2.7	18
1767	Defence and adaptation mechanisms of the intestinal epithelium upon infection. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151486.	1.5	11
1768	Detection of Dysbiosis and Increased Intestinal Permeability in Brazilian Patients with Relapsing-Remitting Multiple Sclerosis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4621.	1.2	22
1769	Selected Clostridia Strains from The Human Microbiota and their Metabolite, Butyrate, Improve Experimental Autoimmune Encephalomyelitis. <i>Neurotherapeutics</i> , 2021, 18, 920-937.	2.1	18
1770	Single-Cell Atlas Reveals Fatty Acid Metabolites Regulate the Functional Heterogeneity of Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 653308.	1.8	7
1771	Gut Microbiota in Lupus: a Butterfly Effect?. <i>Current Rheumatology Reports</i> , 2021, 23, 27.	2.1	19
1772	The Habitat Filters of Microbiota-Nourishing Immunity. <i>Annual Review of Immunology</i> , 2021, 39, 1-18.	9.5	21
1773	Gut-derived acetate promotes B10 cells with antiinflammatory effects. <i>JCI Insight</i> , 2021, 6, .	2.3	47
1774	Bacterial-fungal interactions in the neonatal gut influence asthma outcomes later in life. <i>ELife</i> , 2021, 10, .	2.8	22
1775	Butyrate: A Link between Early Life Nutrition and Gut Microbiome in the Development of Food Allergy. <i>Life</i> , 2021, 11, 384.	1.1	16
1776	Single-Cell Transcriptional Survey of Ileal-Anal Pouch Immune Cells From Ulcerative Colitis Patients. <i>Gastroenterology</i> , 2021, 160, 1679-1693.	0.6	40
1777	Short chain fatty acids and its producing organisms: An overlooked therapy for IBD?. <i>EBioMedicine</i> , 2021, 66, 103293.	2.7	281

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1778	Infant gut microbiome is enriched with <i>Bifidobacterium longum</i> ssp. <i>infantis</i> in Old Order Mennonites with traditional farming lifestyle. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3489-3503.	2.7	30
1779	The effect of partially hydrolyzed guar gum on preventing influenza infection. <i>Clinical Nutrition ESPEN</i> , 2021, 42, 148-152.	0.5	10
1780	Participation of Short-Chain Fatty Acids and Their Receptors in Gut Inflammation and Colon Cancer. <i>Frontiers in Physiology</i> , 2021, 12, 662739.	1.3	75
1781	Control of Immunity by the Microbiota. <i>Annual Review of Immunology</i> , 2021, 39, 449-479.	9.5	129
1782	Potential role of indolelactate and butyrate in multiple sclerosis revealed by integrated microbiome-metabolome analysis. <i>Cell Reports Medicine</i> , 2021, 2, 100246.	3.3	37
1783	Artificial intelligence and metagenomics in intestinal diseases. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021, 36, 841-847.	1.4	9
1784	The gut microbiota is associated with the small intestinal paracellular permeability and the development of the immune system in healthy children during the first two years of life. <i>Journal of Translational Medicine</i> , 2021, 19, 177.	1.8	34
1785	Can we prevent childhood Leukaemia?. <i>Leukemia</i> , 2021, 35, 1258-1264.	3.3	17
1786	Crosstalk between gut microbiome and immunology in the management of ischemic brain injury. <i>Journal of Neuroimmunology</i> , 2021, 353, 577498.	1.1	17
1787	Ovalbumin-Induced Airway Inflammation Is Ameliorated in Dectin-1 Deficient Mice, in Which Pulmonary Regulatory T Cells Are Expanded through Modification of Intestinal Commensal Bacteria. <i>Journal of Immunology</i> , 2021, 206, 1991-2000.	0.4	9
1789	The aging gut microbiome and its impact on host immunity. <i>Genes and Immunity</i> , 2021, 22, 289-303.	2.2	164
1790	Tissue Nutrient Environments and Their Effect on Regulatory T Cell Biology. <i>Frontiers in Immunology</i> , 2021, 12, 637960.	2.2	10
1791	Microbiota-mediated protection against antibiotic-resistant pathogens. <i>Genes and Immunity</i> , 2021, 22, 255-267.	2.2	19
1792	PREBIOTICS FOR ACUTE ISCHEMIC STROKE. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 0, , 1-10.	0.3	1
1793	POS0787...BERBERINE MODULATE LUPUS SYNDROME VIA THE REGULATION OF GUT MICROBIOTA IN MRL/LPR MICE. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 646.2-646.	0.5	0
1794	Microbiota and immunoregulation: A focus on regulatory B lymphocytes and transplantation. <i>American Journal of Transplantation</i> , 2021, 21, 2341-2347.	2.6	8
1795	Immunomodulation by the Commensal Microbiome During Immune-Targeted Interventions: Focus on Cancer Immune Checkpoint Inhibitor Therapy and Vaccination. <i>Frontiers in Immunology</i> , 2021, 12, 643255.	2.2	6
1796	Dietary Supplementation with Fermented <i>Brassica rapa</i> L. Stimulates Defecation Accompanying Change in Colonic Bacterial Community Structure. <i>Nutrients</i> , 2021, 13, 1847.	1.7	3

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1797	Rationally designed bacterial consortia to treat chronic immune-mediated colitis and restore intestinal homeostasis. <i>Nature Communications</i> , 2021, 12, 3105.	5.8	82
1798	Acetyl-CoA and Metabolite Fluxes Regulate White Adipose Tissue Expansion. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 320-332.	3.1	16
1799	The impact of <i>Opisthorchis felinus</i> infection and praziquantel treatment on the intestinal microbiota in children. <i>Acta Tropica</i> , 2021, 217, 105835.	0.9	5
1800	Effects of short chain fatty acids on metabolic and inflammatory processes in human health. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158900.	1.2	54
1801	Mechanisms of exTreg induction. <i>European Journal of Immunology</i> , 2021, 51, 1956-1967.	1.6	21
1802	Gut microbiota characterization in Chinese patients with alopecia areata. <i>Journal of Dermatological Science</i> , 2021, 102, 109-115.	1.0	19
1803	Gut microbial metabolite TMAO portends prognosis in acute ischemic stroke. <i>Journal of Neuroimmunology</i> , 2021, 354, 577526.	1.1	19
1804	The gut microbiota as a versatile immunomodulator in obesity and associated metabolic disorders. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2021, 35, 101542.	2.2	21
1805	Cutaneous innate immune tolerance is mediated by epigenetic control of MAP2K3 by HDAC8/9. <i>Science Immunology</i> , 2021, 6, .	5.6	33
1808	Transferrable protection by gut microbes against STING-associated lung disease. <i>Cell Reports</i> , 2021, 35, 109113.	2.9	10
1809	Physiological Functions Mediated by Yuzu (<i>Citrus junos</i>) Seed-Derived Nutrients. , 0, , .		0
1810	Intestinal microbiota and diabetic kidney diseases: the Role of microbiota and derived metabolites in modulation of renal inflammation and disease progression. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2021, 35, 101484.	2.2	42
1811	Anaerobe-enriched gut microbiota predicts pro-inflammatory responses in pulmonary tuberculosis. <i>EBioMedicine</i> , 2021, 67, 103374.	2.7	22
1812	Gut Microbiota Changes and Their Correlation with Cognitive and Neuropsychiatric Symptoms in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 81, 583-595.	1.2	59
1813	Fecal Stream Diversion Changes Intestinal Environment, Modulates Mucosal Barrier, and Attenuates Inflammatory Cells in Crohn's Disease. <i>Digestive Diseases and Sciences</i> , 2022, 67, 2143-2157.	1.1	9
1814	Navigating in Deep Waters: How Tissue Damage and Inflammation Shape Effector and Memory CD8+ T Cell Responses. <i>ImmunoHorizons</i> , 2021, 5, 338-348.	0.8	3
1815	Respiratory syncytial virus and airway microbiota – A complex interplay and its reflection on morbidity. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1141-1151.	1.1	2
1816	Gut microbial metabolites facilitate anticancer therapy efficacy by modulating cytotoxic CD8+ T cell immunity. <i>Cell Metabolism</i> , 2021, 33, 988-1000.e7.	7.2	264

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1817	Food Allergy and Intolerance: A Narrative Review on Nutritional Concerns. <i>Nutrients</i> , 2021, 13, 1638.	1.7	52
1818	Conjunctival Commensal Isolation and Identification in Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0
1819	â€œGoâ€, â€œNo Go,â€•or â€œWhere to Goâ€, does microbiota dictate T cell exhaustion, programming, and HIV persistence?. <i>Current Opinion in HIV and AIDS</i> , 2021, 16, 215-222.	1.5	9
1820	Butyrate enhances CPT1A activity to promote fatty acid oxidation and iTreg differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	54
1821	The fermentation characteristics of <i>Sparassis crispa</i> polysaccharides and their effects on the intestinal microbes in mice. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	1.9	3
1822	Short-chain fatty acids-producing probiotics: A novel source of psychobiotics. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7929-7959.	5.4	41
1823	Maternal Vegetable and Fruit Consumption during Pregnancy and Its Effects on Infant Gut Microbiome. <i>Nutrients</i> , 2021, 13, 1559.	1.7	19
1824	A Role for Folate in Microbiome-Linked Control of Autoimmunity. <i>Journal of Immunology Research</i> , 2021, 2021, 1-14.	0.9	12
1825	Modeling the Th17 and Tregs Paradigm: Implications for Cancer Immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 675099.	1.8	6
1826	Inflammationâ€driven brain and gut barrier dysfunction in stress and mood disorders. <i>European Journal of Neuroscience</i> , 2022, 55, 2851-2894.	1.2	54
1827	The Potential Role of the Intestinal Micromilieu and Individual Microbes in the Immunobiology of Chimeric Antigen Receptor T-Cell Therapy. <i>Frontiers in Immunology</i> , 2021, 12, 670286.	2.2	16
1828	Inflammatory adaptation in barrier tissues. <i>Cell</i> , 2021, 184, 3361-3375.	13.5	42
1829	Gut Microbiota Perturbation in IgA Deficiency Is Influenced by IgA-Autoantibody Status. <i>Gastroenterology</i> , 2021, 160, 2423-2434.e5.	0.6	34
1830	Metabolic regulation in the immune response to cancer. <i>Cancer Communications</i> , 2021, 41, 661-694.	3.7	23
1831	Dissecting the Interplay Mechanism between Epigenetics and Gut Microbiota: Health Maintenance and Disease Prevention. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6933.	1.8	30
1832	Beverages containing <i>Lactobacillus paracasei</i> LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites. <i>Journal of Dairy Science</i> , 2021, 104, 6389-6398.	1.4	18
1833	The Comprehensive â€œOmicsâ€•Approach from Metabolomics to Advanced Omics for Development of Immune Checkpoint Inhibitors: Potential Strategies for Next Generation of Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6932.	1.8	9
1834	Gut Microbiota and Inflammatory Disorders. <i>Current Drug Targets</i> , 2022, 23, 156-169.	1.0	2

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1835	Intestinal microbiota and its interaction to intestinal health in nursery pigs. <i>Animal Nutrition</i> , 2022, 8, 169-184.	2.1	49
1836	Non-invasive plasma glycomic and metabolic biomarkers of post-treatment control of HIV. <i>Nature Communications</i> , 2021, 12, 3922.	5.8	31
1837	Propionic Acid Rescues High-Fat Diet Enhanced Immunopathology in Autoimmunity via Effects on Th17 Responses. <i>Frontiers in Immunology</i> , 2021, 12, 701626.	2.2	26
1838	Gut microbiota and bone metabolism. <i>FASEB Journal</i> , 2021, 35, e21740.	0.2	39
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1840	What We Know So Far about the Metabolite-Mediated Microbiota-Intestinal Immunity Dialogue and How to Hear the Sound of This Crosstalk. <i>Metabolites</i> , 2021, 11, 406.	1.3	16
1841	Altered IgA Response to Gut Bacteria Is Associated with Childhood Asthma in Peru. <i>Journal of Immunology</i> , 2021, 207, 398-407.	0.4	5
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1843	Gut health: The results of microbial and mucosal immune interactions in pigs. <i>Animal Nutrition</i> , 2021, 7, 282-294.	2.1	31
1844	Exosome-Derived MicroRNAs of Human Milk and Their Effects on Infant Health and Development. <i>Biomolecules</i> , 2021, 11, 851.	1.8	66
1845	Modulation of jejunal mucosa-associated microbiota in relation to intestinal health and nutrient digestibility in pigs by supplementation of Î²-glucanase to cornâ€“soybean meal-based diets with xylanase. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	15
1846	The Gut Microbiota-Immunity Axis in ALS: A Role in Deciphering Disease Heterogeneity?. <i>Biomedicines</i> , 2021, 9, 753.	1.4	25
1847	Modulation of Gut Microbiota to Enhance Effect of Checkpoint Inhibitor Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 669150.	2.2	33
1848	Probiotics ameliorate alveolar bone loss by regulating gut microbiota. <i>Cell Proliferation</i> , 2021, 54, e13075.	2.4	30
1849	Bioderived materials that disarm the gut mucosal immune system: Potential lessons from commensal microbiota. <i>Acta Biomaterialia</i> , 2021, 133, 187-207.	4.1	4
1850	First Encounters: Effects of the Microbiota on Neonatal Brain Development. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 682505.	1.8	13
1851	Tolerogenic Dendritic Cells Shape a Transmissible Gut Microbiota That Protects From Metabolic Diseases. <i>Diabetes</i> , 2021, 70, 2067-2080.	0.3	7
1852	The role of the microbiome in gastrointestinal inflammation. <i>Bioscience Reports</i> , 2021, 41, .	1.1	27

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1855	Obesity-related gut hormones and cancer: novel insight into the pathophysiology. <i>International Journal of Obesity</i> , 2021, 45, 1886-1898.	1.6	8
1856	T Lymphocytes, Multi-Omic Interactions and Bronchopulmonary Dysplasia. <i>Frontiers in Pediatrics</i> , 2021, 9, 694034.	0.9	10
1857	Effects of short-chain fatty acids in inhibiting HDAC and activating p38 MAPK are critical for promoting B10 cell generation and function. <i>Cell Death and Disease</i> , 2021, 12, 582.	2.7	43
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1859	Double-Edged Metabolic Effects from Short-Term Feeding of Functionalized Wheat Bran to Mouse Revealed by Metabolomic Profiling. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6543-6555.	2.4	2
1860	The Mammalian Metaorganism: A Holistic View on How Microbes of All Kingdoms and Niches Shape Local and Systemic Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 702378.	2.2	14
1861	Foxo1 controls gut homeostasis and commensalism by regulating mucus secretion. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	30
1862	Butyrate and the Intestinal Epithelium: Modulation of Proliferation and Inflammation in Homeostasis and Disease. <i>Cells</i> , 2021, 10, 1775.	1.8	152
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1864	A comprehensive approach for microbiota and health monitoring in mouse colonies using metagenomic shotgun sequencing. <i>Animal Microbiome</i> , 2021, 3, 53.	1.5	8
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1870	Role of microbiota-derived short-chain fatty acids in nervous system disorders. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111661.	2.5	106

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1874	The Alterations in and the Role of the Th17/Treg Balance in Metabolic Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 678355.	2.2	65
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1876	The Microbiota-Gut-Brain Axis in Health and Disease and Its Implications for Translational Research. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 698172.	1.8	50
1877	Gastric Microenvironment—A Partnership between Innate Immunity and Gastric Microbiota Tricks <i>Helicobacter pylori</i> . <i>Journal of Clinical Medicine</i> , 2021, 10, 3258.	1.0	10
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1879	Review: The Nutritional Management of Multiple Sclerosis With Propionate. <i>Frontiers in Immunology</i> , 2021, 12, 676016.	2.2	11
1880	Hygiene hypothesis and autoimmune diseases: A narrative review of clinical evidences and mechanisms. <i>Autoimmunity Reviews</i> , 2021, 20, 102845.	2.5	24
1881	Hematopoietic Cell Transplantation Rescues Inflammatory Bowel Disease and Dysbiosis of Gut Microbiota in XIAP Deficiency. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3767-3780.	2.0	15
1882	Intestinal microbiota: A potential target for enhancing the antitumor efficacy and reducing the toxicity of immune checkpoint inhibitors. <i>Cancer Letters</i> , 2021, 509, 53-62.	3.2	13
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1886	Inflammation and tumor progression: signaling pathways and targeted intervention. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 263.	7.1	739
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1890	Mesenteric Lymph Node Transplantation in Mice to Study Immune Responses of the Gastrointestinal Tract. <i>Frontiers in Immunology</i> , 2021, 12, 689896.	2.2	12
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1892	Perspective of Immunopathogenesis and Immunotherapies for Kawasaki Disease. <i>Frontiers in Pediatrics</i> , 2021, 9, 697632.	0.9	18
1894	The Role of Short-Chain Fatty Acids and Bile Acids in Intestinal and Liver Function, Inflammation, and Carcinogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 703218.	1.8	55
1896	Host factors facilitating SARS-CoV-2 virus infection and replication in the lungs. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5953-5976.	2.4	19
1897	Tying Small Changes to Large Outcomes: The Cautious Promise in Incorporating the Microbiome into Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7900.	1.8	3
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1899	Dietary fiber-derived short-chain fatty acids: A potential therapeutic target to alleviate obesity-related nonalcoholic fatty liver disease. <i>Obesity Reviews</i> , 2021, 22, e13316.	3.1	97
1900	Oleanolic acid reshapes the gut microbiota and alters immune-related gene expression of intestinal epithelial cells. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 764-773.	1.7	26
1901	Metabolic Controls on Epigenetic Reprogramming in Regulatory T Cells. <i>Frontiers in Immunology</i> , 2021, 12, 728783.	2.2	10
1902	Molecular and Pathophysiological Links between Metabolic Disorders and Inflammatory Bowel Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9139.	1.8	18
1903	Microbiota-Associated Metabolites and Related Immunoregulation in Colorectal Cancer. <i>Cancers</i> , 2021, 13, 4054.	1.7	13
1904	Gut Microbiome and Common Variable Immunodeficiency: Few Certainties and Many Outstanding Questions. <i>Frontiers in Immunology</i> , 2021, 12, 712915.	2.2	26
1905	Tissue-specific Tregs in cancer metastasis: opportunities for precision immunotherapy. <i>Cellular and Molecular Immunology</i> , 2022, 19, 33-45.	4.8	47
1906	Sepsis-Induced Myopathy and Gut Microbiome Dysbiosis: Mechanistic Links and Therapeutic Targets. <i>Shock</i> , 2022, 57, 15-23.	1.0	8
1907	Effect of Acupoint Catgut Embedding on Intestinal Flora in Rats with Ovariectomized Osteoporosis. <i>Acupuncture and Electro-Therapeutics Research</i> , 2021, 46, 307-318.	0.0	1
1908	Potential Benefits of Probiotics and Prebiotics for Coronary Heart Disease and Stroke. <i>Nutrients</i> , 2021, 13, 2878.	1.7	57

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1910	Lymph Node Stromal Cell α “Intrinsic MHC Class II Expression Promotes MHC Class I α “Restricted CD8 T Cell Lineage Conversion to Regulatory CD4 T Cells. <i>Journal of Immunology</i> , 2021, 207, 1530-1544.	0.4	1
1911	Crosstalk Between Intestinal Microbiota Derived Metabolites and Tissues in Allogeneic Hematopoietic Cell Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 703298.	2.2	8
1913	Sulfation of Arabinogalactan Proteins Confers Privileged Nutrient Status to <i>Bacteroides plebeius</i> . <i>MBio</i> , 2021, 12, e0136821.	1.8	7
1914	Microbiome analysis, the immune response and transplantation in the era of next generation sequencing. <i>Human Immunology</i> , 2021, 82, 883-901.	1.2	7
1915	Cross Talk between Gut Microbiota and Intestinal Mucosal Immunity in the Development of Ulcerative Colitis. <i>Infection and Immunity</i> , 2021, 89, e0001421.	1.0	35
1916	Metabolic programming in dendritic cells tailors immune responses and homeostasis. <i>Cellular and Molecular Immunology</i> , 2022, 19, 370-383.	4.8	38
1917	Therapeutic Strategies for Diabetes: Immune Modulation in Pancreatic β Cells. <i>Frontiers in Endocrinology</i> , 2021, 12, 716692.	1.5	10
1918	Intestinal Regulatory T Cells as Specialized Tissue-Restricted Immune Cells in Intestinal Immune Homeostasis and Disease. <i>Frontiers in Immunology</i> , 2021, 12, 716499.	2.2	34
1919	Lifelong dietary omega-3 fatty acid suppresses thrombotic potential through gut microbiota alteration in aged mice. <i>IScience</i> , 2021, 24, 102897.	1.9	15
1920	Identification of Key Functional Modules and Immunomodulatory Regulators of Hepatocellular Carcinoma. <i>Journal of Immunology Research</i> , 2021, 2021, 1-21.	0.9	2
1921	Gut Microbiota and Type 2 Diabetes Mellitus: Association, Mechanism, and Translational Applications. <i>Mediators of Inflammation</i> , 2021, 2021, 1-12.	1.4	41
1922	Intestinal flora differences between patients with ulcerative colitis of different ethnic groups in China. <i>Medicine (United States)</i> , 2021, 100, e26932.	0.4	6
1923	Microbial Regulation of Host Physiology by Short-chain Fatty Acids. <i>Trends in Microbiology</i> , 2021, 29, 700-712.	3.5	396
1924	Whole blood resuscitation restores intestinal perfusion and influences gut microbiome diversity. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 91, 1002-1009.	1.1	9
1925	Tissue microbiota in nasopharyngeal adenoid and its association with pneumococcal carriage. <i>Microbial Pathogenesis</i> , 2021, 157, 104999.	1.3	4
1926	The Role of Butyric Acid in Treatment Response in Drug-Na \tilde{v} e First Episode Schizophrenia. <i>Frontiers in Psychiatry</i> , 2021, 12, 724664.	1.3	14
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1929	Small Intestinal Levels of the Branched Short-Chain Fatty Acid Isovalerate Are Elevated during Infection with <i>Heligmosomoides polygyrus</i> and Can Promote Helminth Fecundity. <i>Infection and Immunity</i> , 2021, 89, e0022521.	1.0	4
1931	Cellular and molecular mechanisms of allergic asthma. <i>Molecular Aspects of Medicine</i> , 2022, 85, 100995.	2.7	71
1932	Dynamic Colonization of Microbes and Their Functions after Fecal Microbiota Transplantation for Inflammatory Bowel Disease. <i>MBio</i> , 2021, 12, e0097521.	1.8	26
1933	Dysfunctions, Molecular Mechanisms, and Therapeutic Strategies of Regulatory T Cells in Rheumatoid Arthritis. <i>Frontiers in Pharmacology</i> , 2021, 12, 716081.	1.6	7
1934	Association of obstructive sleep apnea severity with the composition of the upper airway microbiome. <i>Journal of Clinical Sleep Medicine</i> , 2021, , .	1.4	3
1935	Harness the functions of gut microbiome in tumorigenesis for cancer treatment. <i>Cancer Communications</i> , 2021, 41, 937-967.	3.7	18
1936	Linking the gut microbiota to persistent symptoms in survivors of COVID-19 after discharge. <i>Journal of Microbiology</i> , 2021, 59, 941-948.	1.3	41
1937	Role of the Immune System Elements in Pulmonary Arterial Hypertension. <i>Journal of Clinical Medicine</i> , 2021, 10, 3757.	1.0	20
1938	The Challenge of ICIs Resistance in Solid Tumours: Could Microbiota and Its Diversity Be Our Secret Weapon?. <i>Frontiers in Immunology</i> , 2021, 12, 704942.	2.2	4
1939	Ingestion of <i>Lactobacillus rhamnosus</i> modulates chronic stress-induced feather pecking in chickens. <i>Scientific Reports</i> , 2021, 11, 17119.	1.6	11
1940	Next Generation Microbiome Research: Identification of Keystone Species in the Metabolic Regulation of Host-Gut Microbiota Interplay. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 719072.	1.8	21
1941	Mechanistic basis and preliminary practice of butyric acid and butyrate sodium to mitigate gut inflammatory diseases: a comprehensive review. <i>Nutrition Research</i> , 2021, 95, 1-18.	1.3	22
1942	Protection against allergies: Microbes, immunity, and the farming effect. <i>European Journal of Immunology</i> , 2021, 51, 2387-2398.	1.6	24
1943	Interactions between the intestinal microbiota and epigenome in individuals with autism spectrum disorder. <i>Developmental Medicine and Child Neurology</i> , 2022, 64, 296-304.	1.1	8
1944	The gut microbiota and its products: Establishing causal relationships with obesity related outcomes. <i>Obesity Reviews</i> , 2021, 22, e13341.	3.1	14
1945	Dietary fibre and the gut-brain axis: microbiota-dependent and independent mechanisms of action. <i>Gut Microbiome</i> , 2021, 2, .	0.8	12
1946	The Gut Microbiome and Sex Hormone-Related Diseases. <i>Frontiers in Microbiology</i> , 2021, 12, 711137.	1.5	58

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1948	A bacterial bile acid metabolite modulates Treg activity through the nuclear hormone receptor NR4A1. <i>Cell Host and Microbe</i> , 2021, 29, 1366-1377.e9.	5.1	111
1949	Procedures for Fecal Microbiota Transplantation in Murine Microbiome Studies. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 711055.	1.8	39
1950	Enteric Microbiota-Mediated Serotonergic Signaling in Pathogenesis of Irritable Bowel Syndrome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10235.	1.8	36
1951	Glycerol Monolaurate Ameliorated Intestinal Barrier and Immunity in Broilers by Regulating Intestinal Inflammation, Antioxidant Balance, and Intestinal Microbiota. <i>Frontiers in Immunology</i> , 2021, 12, 713485.	2.2	25
1952	Regulation of T Cell Responses by Ionic Salt Signals. <i>Cells</i> , 2021, 10, 2365.	1.8	5
1953	Diverse functions and mechanisms of regulatory T cell in ischemic stroke. <i>Experimental Neurology</i> , 2021, 343, 113782.	2.0	13
1954	Cross-Sectional Study on the Gut Microbiome of Parkinson's Disease Patients in Central China. <i>Frontiers in Microbiology</i> , 2021, 12, 728479.	1.5	13
1956	Butyrate directly decreases human gut lamina propria CD4 T cell function through histone deacetylase (HDAC) inhibition and GPR43 signaling. <i>Immunobiology</i> , 2021, 226, 152126.	0.8	31
1957	Analysis of the gut microbiome in dogs and cats. <i>Veterinary Clinical Pathology</i> , 2022, 50, 6-17.	0.3	29
1958	Bacterial Translocation as Inflammatory Driver in Crohn's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 703310.	1.8	25
1959	Biomarkers and Future Perspectives for Hepatocellular Carcinoma Immunotherapy. <i>Frontiers in Oncology</i> , 2021, 11, 716844.	1.3	12
1960	Small Molecule Metabolites at the Host-Microbiota Interface. <i>Journal of Immunology</i> , 2021, 207, 1725-1733.	0.4	14
1961	The Gut-Brain Axis in Multiple Sclerosis. Is Its Dysfunction a Pathological Trigger or a Consequence of the Disease?. <i>Frontiers in Immunology</i> , 2021, 12, 718220.	2.2	38
1962	The Effects of Prebiotics, Synbiotics, and Short-Chain Fatty Acids on Respiratory Tract Infections and Immune Function: A Systematic Review and Meta-Analysis. <i>Advances in Nutrition</i> , 2022, 13, 167-192.	2.9	5
1963	Controlled Complexity: Optimized Systems to Study the Role of the Gut Microbiome in Host Physiology. <i>Frontiers in Microbiology</i> , 2021, 12, 735562.	1.5	2
1964	The Role of Gut Microbiota and Gut-Brain Interplay in Selected Diseases of the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10028.	1.8	41
1965	Interplay and cooperation of <i>Helicobacter pylori</i> and gut microbiota in gastric carcinogenesis. <i>BMC Microbiology</i> , 2021, 21, 258.	1.3	21

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1968	Gut microbiota-derived metabolites as key mucosal barrier modulators in obesity. World Journal of Gastroenterology, 2021, 27, 5555-5565.	1.4	14
1969	Immunomodulatory roles of microbiota-derived short-chain fatty acids in bacterial infections. Biomedicine and Pharmacotherapy, 2021, 141, 111817.	2.5	40
1970	Gut Microbiota as the Link between Elevated BCAA Serum Levels and Insulin Resistance. Biomolecules, 2021, 11, 1414.	1.8	60
1971	Isolated pectin (apple) and fruit pulp (mango) impact gastric emptying, passage rate and short chain fatty acid (SCFA) production differently along the pig gastrointestinal tract. Food Hydrocolloids, 2021, 118, 106723.	5.6	9
1972	The maternal gut microbiome during pregnancy and offspring allergy and asthma. Journal of Allergy and Clinical Immunology, 2021, 148, 669-678.	1.5	55
1973	Mining the Gut Microbiota for Microbial-Based Therapeutic Strategies in Cancer Immunotherapy. Frontiers in Oncology, 2021, 11, 721249.	1.3	3
1974	Autoimmunity in dry eye disease – An updated review of evidence on effector and memory Th17 cells in disease pathogenicity. Autoimmunity Reviews, 2021, 20, 102933.	2.5	30
1975	Rotundic acid ameliorates non-alcoholic steatohepatitis via SREBP-1c/ SCD1 signaling pathway and modulating gut microbiota. International Immunopharmacology, 2021, 99, 108065.	1.7	9
1976	Potential Biomarkers, Risk Factors, and Their Associations with IgE-Mediated Food Allergy in Early Life: A Narrative Review. Advances in Nutrition, 2022, 13, 633-651.	2.9	8
1977	Why is the Incidence of Type 1 Diabetes Increasing?. Current Diabetes Reviews, 2021, 17, e030521193110.	0.6	17
1978	Intestine-liver crosstalk in Type 2 Diabetes and non-alcoholic fatty liver disease. Metabolism: Clinical and Experimental, 2021, 123, 154844.	1.5	20
1979	Metabolic enzymes function as epigenetic modulators: A Trojan Horse for chromatin regulation and gene expression. Pharmacological Research, 2021, 173, 105834.	3.1	1
1980	Ischemic stroke and infection: A brief update on mechanisms and potential therapies. Biochemical Pharmacology, 2021, 193, 114768.	2.0	18
1981	Effects of rhizome of <i>Atractylodes koreana</i> (Nakai) Kitam on intestinal flora and metabolites in rats with rheumatoid arthritis. Journal of Ethnopharmacology, 2021, 281, 114026.	2.0	22
1982	Response to <i>Bombyx mori</i> nucleopolyhedrovirus infection in silkworm: Gut metabolites and microbiota. Developmental and Comparative Immunology, 2021, 125, 104227.	1.0	11
1983	Perturbations associated with hungry gut microbiome and postbiotic perspectives to strengthen the microbiome health. Future Foods, 2021, 4, 100043.	2.4	12
1984	Gut Microbiota: A New Marker of Cardiovascular Disease. , 2022, , .		0

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1986	Epigenetics of Hostâ€“Human Gut Microbiome Interactions. , 2022, , .		0
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1988	Fecal microbiota transplantation as a new treatment for canine inflammatory bowel disease. Bioscience of Microbiota, Food and Health, 2021, 40, 98-104.	0.8	20
1989	The Oral Microbiome in Pediatric IBD: A Source of Pathobionts or Biomarkers?. Frontiers in Pediatrics, 2020, 8, 620254.	0.9	16
1990	The Impact of Gut Microbiota on the Immune Response to Vaccination. , 2022, , 145-160.		0
1991	Healthy Intestinal Function Relies on Coordinated Enteric Nervous System, Immune System, and Epithelium Responses. Gut Microbes, 2021, 13, 1-14.	4.3	13
1992	The role of microbiota in allogeneic hematopoietic stem cell transplantation. Expert Opinion on Biological Therapy, 2021, 21, 1121-1131.	1.4	5
1993	DsbA-L deficiency in T cells promotes diet-induced thermogenesis through suppressing IFN- β production. Nature Communications, 2021, 12, 326.	5.8	12
1994	Associations between the Gut Microbiota, Immune Reconstitution, and Outcomes of Allogeneic Hematopoietic Stem Cell Transplantation. Immunometabolism, 2021, 3, .	0.7	10
1995	The Microbiome as an Endocrine Organ. , 2021, , .		0
1996	Gut microbiota impact on the peripheral immune response in non-alcoholic fatty liver disease related hepatocellular carcinoma. Nature Communications, 2021, 12, 187.	5.8	209
1997	Regulation of Intestinal Barrier Function by Microbial Metabolites. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 1463-1482.	2.3	235
1998	Immunity and Gut Microbiome: Role of Probiotics and Prebiotics. Microorganisms for Sustainability, 2021, , 61-83.	0.4	1
1999	INTESTINAL DYSBIOSIS AS A FACTOR IN THE DEVELOPMENT OF METABOLIC SYNDROME AND INSULIN RESISTANCE. Bulletin of Problems Biology and Medicine, 2021, 1, 257.	0.0	0
2000	Summary and perspective for future research on the contribution of microbiota in visceral and neurological disorders. , 2021, , 345-356.		0
2001	Gut microbiota and brain function and pathophysiology. , 2021, , 335-354.		0
2002	Preparation, structural characteristics and physiological property of resistant starch. Advances in Food and Nutrition Research, 2021, 95, 1-40.	1.5	3

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2004	Functional hydrocolloids, gut microbiota and health: picking food additives for personalized nutrition. FEMS Microbiology Reviews, 2021, 45, .	3.9	13
2005	Effects of Transanal Irrigation on Gut Microbiota in Pediatric Patients with Spina Bifida. Journal of Clinical Medicine, 2021, 10, 224.	1.0	11
2006	Unraveling the Interconnection Patterns Across Lung Microbiome, Respiratory Diseases, and COVID-19. Frontiers in Cellular and Infection Microbiology, 2020, 10, 619075.	1.8	16
2007	Immunopathogenesis: the role of mucosal and skin microbiota in SLE. , 2021, , 117-130.		0
2008	Gut Microbiota-Derived Metabolites in the Development of Diseases. Canadian Journal of Infectious Diseases and Medical Microbiology, 2021, 2021, 1-7.	0.7	29
2009	Clinical effects and applications of the gut microbiome in hematologic malignancies. Cancer, 2021, 127, 679-687.	2.0	17
2010	Microbiome as an Immunological Modifier. Methods in Molecular Biology, 2020, 2055, 595-638.	0.4	23
2011	The Intestinal Tumour Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1226, 1-22.	0.8	10
2012	Epigenetics and the Microbiome. , 2017, , 1-25.		1
2013	Cross Talk Between Bacteria and the Host Epigenetic Machinery. Epigenetics and Human Health, 2017, , 113-158.	0.2	14
2014	Gut Microbiota and Immune Responses. Advances in Experimental Medicine and Biology, 2020, 1238, 165-193.	0.8	14
2015	Gut Microbiota and Renal Injury. Advances in Experimental Medicine and Biology, 2020, 1238, 93-106.	0.8	6
2016	Short-Chain Fatty Acid Production and Functional Aspects on Host Metabolism. , 2018, , 37-106.		15
2017	Targeting histone deacetylases for bacterial infections. , 2020, , 237-254.		2
2018	Mitochondria, the gut microbiome and ROS. Cellular Signalling, 2020, 75, 109737.	1.7	65
2019	Host-microbiota interactions in inflammatory bowel disease. Nature Reviews Immunology, 2020, 20, 411-426.	10.6	407
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2022	Gut microbiota and metabolites in the pathogenesis of endocrine disease. <i>Biochemical Society Transactions</i> , 2020, 48, 915-931.	1.6	31
2023	Probiotics and fecal microbiota transplantation in surgical disorders. <i>Seminars in Colon and Rectal Surgery</i> , 2018, 29, 37-43.	0.2	4
2024	Multidimensional Impact of Mediterranean Diet on IBD Patients. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 1-9.	0.9	115
2025	Interkingdom Communication and Regulation of Mucosal Immunity by the Microbiome. <i>Journal of Infectious Diseases</i> , 2021, 223, S236-S240.	1.9	10
2026	Gut microbiota and systemic immunity in health and disease. <i>International Immunology</i> , 2021, 33, 197-209.	1.8	34
2027	The importance of the microbiome in pediatrics and pediatric infectious diseases. <i>Current Opinion in Pediatrics</i> , 2018, 30, 117-124.	1.0	45
2028	<i>Merdimonas faecis</i> gen. nov., sp. nov., isolated from human faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2430-2435.	0.8	18
2037	Impact of prebiotics on immune response: from the bench to the clinic. <i>Immunology and Cell Biology</i> , 2021, 99, 255-273.	1.0	65
2039	COVID-19: Proposing a Ketone-Based Metabolic Therapy as a Treatment to Blunt the Cytokine Storm. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-34.	1.9	43
2040	Mucosal-associated invariant and $\gamma\delta$ T cell subsets respond to initial <i>Mycobacterium tuberculosis</i> infection. <i>JCI Insight</i> , 2018, 3, .	2.3	59
2041	Regulatory T cells use arginase 2 to enhance their metabolic fitness in tissues. <i>JCI Insight</i> , 2019, 4, .	2.3	60
2042	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. <i>Journal of Clinical Investigation</i> , 2019, 130, 466-479.	3.9	159
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2045	Influences on allergic mechanisms through gut, lung, and skin microbiome exposures. <i>Journal of Clinical Investigation</i> , 2019, 129, 1483-1492.	3.9	50
2046	Immunometabolism of pro-repair cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 2597-2607.	3.9	30
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2049	The gut-bone axis: how bacterial metabolites bridge the distance. <i>Journal of Clinical Investigation</i> , 2019, 129, 3018-3028.	3.9	195
2050	Parathyroid hormone- α dependent bone formation requires butyrate production by intestinal microbiota. <i>Journal of Clinical Investigation</i> , 2020, 130, 1767-1781.	3.9	97
2051	The DEL-1/ β 23 integrin axis promotes regulatory T cell responses during inflammation resolution. <i>Journal of Clinical Investigation</i> , 2020, 130, 6261-6277.	3.9	27
2052	Azathioprine therapy selectively ablates human β 2+ T cells in Crohn's disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 3215-3225.	3.9	40
2053	The composition of the microbiota modulates allograft rejection. <i>Journal of Clinical Investigation</i> , 2016, 126, 2736-2744.	3.9	86
2054	Recipient mucosal-associated invariant T cells control GVHD within the colon. <i>Journal of Clinical Investigation</i> , 2018, 128, 1919-1936.	3.9	78
2055	Gut Microbiota and Disorders of the Central Nervous System. <i>Neuroscientist</i> , 2020, 26, 487-502.	2.6	20
2056	Pancreatic Cancer: A Review of Risk Factors, Diagnosis, and Treatment. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382096211.	0.8	107
2057	The microbe-derived short-chain fatty acids butyrate and propionate are associated with protection from chronic GVHD. <i>Blood</i> , 2020, 136, 130-136.	0.6	97
2058	Systemic instruction of cell-mediated immunity by the intestinal microbiome. <i>F1000Research</i> , 2018, 7, 1910.	0.8	12
2059	Recent advances in mechanisms of food allergy and anaphylaxis. <i>F1000Research</i> , 2020, 9, 863.	0.8	7
2060	The skin microbiome: potential for novel diagnostic and therapeutic approaches to cutaneous disease. <i>Seminars in Cutaneous Medicine and Surgery</i> , 2014, 33, 98-103.	1.6	193
2061	Complex influences of gut microbiome metabolism on various drug responses. <i>Translational and Clinical Pharmacology</i> , 2020, 28, 7.	0.3	4
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2064	Long Term Development of Gut Microbiota Composition in Atopic Children: Impact of Probiotics. <i>PLoS ONE</i> , 2015, 10, e0137681.	1.1	46
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2067	Fecal Microbiota, Fecal Metabolome, and Colorectal Cancer Interrelations. PLoS ONE, 2016, 11, e0152126.	1.1	157
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2079	Osteoporosis: Pathophysiology and therapeutic options. EXCLI Journal, 2020, 19, 1017-1037.	0.5	78
2080	Gut-microbiome Taxonomic Profiling as Non-invasive Biomarkers for the Early Detection of Alcoholic Hepatocellular Carcinoma. Journal of Liver Cancer, 2020, 20, 32-40.	0.3	1
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2083	Structural and functional changes of gut microbiota in ovariectomized rats and their correlations with altered bone mass. Aging, 2020, 12, 10736-10753.	1.4	32

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2085	Constructing personalized longitudinal holo ^o mes of colon cancer-prone humans and their modeling in flies and mice. <i>Oncotarget</i> , 2019, 10, 4224-4246.	0.8	9
2086	Gut microbiota: a new player in regulating immune- and chemo-therapy efficacy. , 2020, 3, 356-370.		15
2087	Understanding the microbiome: a primer on the role of the microbiome in colorectal neoplasia. <i>Annals of Gastroenterology</i> , 2020, 33, 223-236.	0.4	6
2088	Colonic crypts are natural gatekeepers of microbial metabolites to protect stem cells. <i>Translational Cancer Research</i> , 2016, 5, S536-S539.	0.4	3
2089	Feed your gut with caution!. <i>Translational Cancer Research</i> , 2016, 5, S507-S513.	0.4	10
2090	The Gut and Cervical Microbiome Promote Immune Activation and Response to Chemoradiation in Cervical Cancer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
2091	Reciprocity in Microbiome and Immune System Interactions and its Implications in Disease and Health. <i>Inflammation and Allergy: Drug Targets</i> , 2014, 13, 94-104.	1.8	25
2092	Microbiome Regulation of Autoimmune, Gut and Liver Associated Diseases. <i>Inflammation and Allergy: Drug Targets</i> , 2016, 14, 84-93.	1.8	12
2093	The potential of CD4+ regulatory T cells for the therapy of autoimmune diseases. <i>Bulletin of Russian State Medical University</i> , 2019, , 66-69.	0.3	1
2094	Microbial Community of Kefir and its Impact on the Gastrointestinal Microbiome in Health and Disease. <i>Proceedings of the Latvian Academy of Sciences</i> , 2020, 74, 58-64.	0.0	2
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2096	Role of intestinal microbiota in the formation of non-alcoholic fatty liver disease. <i>Terapevticheskii Arkhiv</i> , 2019, 91, 143-148.	0.2	8
2097	Probiotics as regulators of inflammation: A review. <i>Functional Foods in Health and Disease</i> , 2014, 4, 299.	0.3	39
2098	Antibiotics, cancer risk and oncologic treatment efficacy: a practical review of the literature. <i>Ecancelmedscience</i> , 2020, 17, 1106.	0.6	8
2099	Understanding of type 1 diabetes mellitus: what we know and where we go. <i>Korean Journal of Pediatrics</i> , 2018, 61, 307-314.	1.9	3
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2103	Opioids Impair Intestinal Epithelial Repair in HIV-Infected Humanized Mice. <i>Frontiers in Immunology</i> , 2019, 10, 2999.	2.2	44
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2107	Exploring the Triple Interaction between the Host Genome, the Epigenome, and the Gut Microbiome in Type 1 Diabetes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 125.	1.8	11
2108	Gut-Induced Inflammation during Development May Compromise the Blood-Brain Barrier and Predispose to Autism Spectrum Disorder. <i>Journal of Clinical Medicine</i> , 2021, 10, 27.	1.0	26
2109	The Role of Diet in the Pathogenesis and Management of Inflammatory Bowel Disease: A Review. <i>Nutrients</i> , 2021, 13, 135.	1.7	65
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2111	Th17 plasticity and its changes associated with inflammatory bowel disease. <i>World Journal of Gastroenterology</i> , 2015, 21, 12283.	1.4	69
2112	Systemic inflammation in colorectal cancer: Underlying factors, effects, and prognostic significance. <i>World Journal of Gastroenterology</i> , 2019, 25, 4383-4404.	1.4	160
2113	<i>Clostridium butyricum</i> alleviates intestinal low-grade inflammation in TNBS-induced irritable bowel syndrome in mice by regulating functional status of lamina propria dendritic cells. <i>World Journal of Gastroenterology</i> , 2019, 25, 5469-5482.	1.4	41
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2118	Mammalian gut immunity. <i>Biomedical Journal</i> , 2014, 37, 246.	1.4	104
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2125	Computer-guided design of optimal microbial consortia for immune system modulation. <i>ELife</i> , 2018, 7, .	2.8	65
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2152	Plasma Short-Chain Fatty Acids and Their Derivatives in Women with Gestational Diabetes Mellitus. <i>Separations</i> , 2021, 8, 188.	1.1	2
2153	Crosstalk of Microorganisms and Immune Responses in Autoimmune Neuroinflammation: A Focus on Regulatory T Cells. <i>Frontiers in Immunology</i> , 2021, 12, 747143.	2.2	3
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2155	Neuro-immune-metabolism: The tripod system of homeostasis. <i>Immunology Letters</i> , 2021, 240, 77-97.	1.1	3
2156	Bacteriotherapy reintroduces "old friends" in IBD. <i>Inflammation and Regeneration</i> , 2015, 35, 122-128.	1.5	0
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2168	Dissecting Emerging Aspects of Regulatory Circuitry in Man and Mice: Regulatory T Cell Biology. Advances in Bioscience and Biotechnology (Print), 2018, 09, 443-468.	0.3	0
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2563	The function of gut microbiota in immune-related neurological disorders: a review. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	32
2564	Effects of Dietary Fibers on Short-Chain Fatty Acids and Gut Microbiota Composition in Healthy Adults: A Systematic Review. <i>Nutrients</i> , 2022, 14, 2559.	1.7	31
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2580	The emerging role of microbiota-derived short-chain fatty acids in immunometabolism. <i>International Immunopharmacology</i> , 2022, 110, 108983.	1.7	19
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2587	GOS Ameliorates Nonalcoholic Fatty Liver Disease Induced by High Fat and High Sugar Diet through Lipid Metabolism and Intestinal Microbes. <i>Nutrients</i> , 2022, 14, 2749.	1.7	10
2588	Transplantation of bacteriophages from ulcerative colitis patients shifts the gut bacteriome and exacerbates the severity of DSS colitis. <i>Microbiome</i> , 2022, 10, .	4.9	23
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2591	Probiotics, prebiotics and postbiotics for better sleep quality: a narrative review. <i>Beneficial Microbes</i> , 2022, 13, 169-182.	1.0	16
2592	<i>Moringa oleifera</i> Lam. Peptide Remodels Intestinal Mucosal Barrier by Inhibiting JAK-STAT Activation and Modulating Gut Microbiota in Colitis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
2593	Role of dietary fiber in promoting immune health—An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 3185-3198.	2.7	48
2594	Facts and Hopes for Gut Microbiota Interventions in Cancer Immunotherapy. <i>Clinical Cancer Research</i> , 2022, 28, 4370-4384.	3.2	15
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2596	<i>Lactobacillus rhamnosus</i> HN001 Ameliorates BEZ235-Induced Intestinal Dysbiosis and Prolongs Cardiac Transplant Survival. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	4
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2606	Strategies for the Identification and Assessment of Bacterial Strains with Specific Probiotic Traits. <i>Microorganisms</i> , 2022, 10, 1389.	1.6	6
2607	Fine-tuning of regulatory T cells is indispensable for the metabolic steatosis-related hepatocellular carcinoma: A review. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	12
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2622	Butyrate acts through HDAC inhibition to enhance aryl hydrocarbon receptor activation by gut microbiota-derived ligands. <i>Gut Microbes</i> , 2022, 14, .	4.3	37
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2626	Microbiota-derived metabolites as drivers of gutâ€“brain communication. <i>Gut Microbes</i> , 2022, 14, .	4.3	74
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2629	Proinflammatory mucosal-associated invariant CD8+ T cells react to gut flora yeasts and infiltrate multiple sclerosis brain. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	13
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2718	Gut Bacteria and Neurotransmitters. <i>Microorganisms</i> , 2022, 10, 1838.	1.6	63
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2732	Microbiome Derived Metabolites in CKD and ESRD. , 2022, , 45-60.		0
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2755	Gut Microbiota in Ischemic Stroke: Role of Gut Bacteria-Derived Metabolites. <i>Translational Stroke Research</i> , 2023, 14, 811-828.	2.3	6
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2765	Microbiome and Human Health: Current Understanding, Engineering, and Enabling Technologies. <i>Chemical Reviews</i> , 2023, 123, 31-72.	23.0	54
2766	Immunomodulatory fecal metabolites are associated with mortality in COVID-19 patients with respiratory failure. <i>Nature Communications</i> , 2022, 13, .	5.8	24
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2768	Adjuvant role of probiotics in allergen-specific immunotherapy. <i>Clinical Immunology</i> , 2022, 245, 109164.	1.4	0
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2779	Regulatory T Cells as metabolic sensors. <i>Immunity</i> , 2022, 55, 1981-1992.	6.6	17
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2886	Gut Microbial Metabolites on Host Immune Responses in Health and Disease. <i>Immune Network</i> , 2023, 23, .	1.6	8
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2935	Interplay between gut microbiota in immune homeostasis and inflammatory diseases. , 2023, , 143-154.		0
2936	Pain-resolving immune mechanisms in neuropathic pain. <i>Nature Reviews Neurology</i> , 0, , .	4.9	9
2937	Complex regulatory effects of gut microbial short-chain fatty acids on immune tolerance and autoimmunity. , 2023, 20, 341-350.		20

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2939	Microbial Components and Effector Molecules in T Helper Cell Differentiation and Function. <i>Immune Network</i> , 2023, 23, .	1.6	4
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