

Persistent gut microbiota immaturity in malnourished

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Immune System in Children with Malnutrition—A Systematic Review. PLoS ONE, 2014, 9, e105017.	1.1	410
2	The gut microbiota of Colombians differs from that of Americans, Europeans and Asians. BMC Microbiology, 2014, 14, 311.	1.3	178
3	Environmental enteropathy and malnutrition: do we know enough to intervene?. BMC Medicine, 2014, 12, 187.	2.3	64
4	Microbiota meet big data. Nature Chemical Biology, 2014, 10, 605-605.	3.9	6
5	Entamoeba bangladeshi: An insight. Tropical Parasitology, 2014, 4, 96.	0.2	11
6	Diet and the development of the human intestinal microbiome. Frontiers in Microbiology, 2014, 5, 494.	1.5	391
7	Stunted gut microbiota development persists after therapeutic food interventions in children with severe acute malnutrition. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 393-393.	8.2	2
8	2014 Editors' choice. Nature, 2014, 516, 340-341.	13.7	0
9	The stunting syndrome in developing countries. Paediatrics and International Child Health, 2014, 34, 250-265.	0.3	610
10	Psychobiotics and Their Involvement in Mental Health. Journal of Molecular Microbiology and Biotechnology, 2014, 24, 211-214.	1.0	16
11	Microbiota Talks Cholera out of the Gut. Cell Host and Microbe, 2014, 16, 549-550.	5.1	4
12	Members of the human gut microbiota involved in recovery from Vibrio cholerae infection. Nature, 2014, 515, 423-426.	13.7	335
13	Immaturity in the gut microbial community. Nature, 2014, 510, 344-345.	13.7	8
14	Unrest at home: diarrheal disease and microbiota disturbance. Genome Biology, 2014, 15, 120.	13.9	5
15	Metabolic Disease: Obesity, Malnutrition, and Intestinal Microbiota. Journal of Pediatric Biochemistry, 2015, 05, 065-070.	0.2	12
16	Systems biology of host-microbe metabolomics. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2015, 7, 195-219.	6.6	80
17	The gut microbiota modulates host amino acid and glutathione metabolism in mice. Molecular Systems Biology, 2015, 11, 834.	3.2	291
18	Maternal fucosyltransferase 2 status affects the gut bifidobacterial communities of breastfed infants. Microbiome, 2015, 3, 13.	4.9	319

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19	Linear growth faltering in infants is associated with <i>Acidaminococcus</i> sp. and community-level changes in the gut microbiota. <i>Microbiome</i> , 2015, 3, 24.	4.9	120
20	The functional impact of the intestinal microbiome on mucosal immunity and systemic autoimmunity. <i>Current Opinion in Rheumatology</i> , 2015, 27, 381-387.	2.0	65
21	The Intestinal Microbiota in Acute Anorexia Nervosa and During Renourishment. <i>Psychosomatic Medicine</i> , 2015, 77, 969-981.	1.3	237
22	Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. <i>Frontiers in Immunology</i> , 2015, 6, 512.	2.2	145
23	Chronic Zinc Deficiency Alters Chick Gut Microbiota Composition and Function. <i>Nutrients</i> , 2015, 7, 9768-9784.	1.7	163
24	Disruptions of the intestinal microbiome in necrotizing enterocolitis, short bowel syndrome, and Hirschsprung's associated enterocolitis. <i>Frontiers in Microbiology</i> , 2015, 6, 1154.	1.5	20
25	Advances in understanding <i>Giardia</i> : determinants and mechanisms of chronic sequelae. <i>F1000prime Reports</i> , 2015, 7, 62.	5.9	104
26	The Gut Microbiota Composition in Dichorionic Triplet Sets Suggests a Role for Host Genetic Factors. <i>PLoS ONE</i> , 2015, 10, e0122561.	1.1	35
27	Phylogenetic and Metabolic Tracking of Gut Microbiota during Perinatal Development. <i>PLoS ONE</i> , 2015, 10, e0137347.	1.1	84
28	Application of metagenomics in the human gut microbiome. <i>World Journal of Gastroenterology</i> , 2015, 21, 803.	1.4	292
29	Composition and function of the undernourished neonatal mouse intestinal microbiome. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1050-1057.	1.9	75
31	Gut Microbial Succession Follows Acute Secretory Diarrhea in Humans. <i>MBio</i> , 2015, 6, e00381-15.	1.8	150
32	The Newest "Omics" Metagenomics and Metabolomics Enter the Battle against the Neglected Tropical Diseases. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003382.	1.3	44
34	Feeding the brain and nurturing the mind: Linking nutrition and the gut microbiota to brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14105-14112.	3.3	114
35	Environmental Enteric Dysfunction: An Overview. <i>Food and Nutrition Bulletin</i> , 2015, 36, S76-S87.	0.5	178
36	Nutrients, Foods, and Colorectal Cancer Prevention. <i>Gastroenterology</i> , 2015, 148, 1244-1260.e16.	0.6	466
37	The Impact of the Milk Glycobiome on the Neonate Gut Microbiota. <i>Annual Review of Animal Biosciences</i> , 2015, 3, 419-445.	3.6	143
38	Microbes Promote Amino Acid Harvest to Rescue Undernutrition in <i>Drosophila</i> . <i>Cell Reports</i> , 2015, 10, 865-872.	2.9	153

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39	GrammR: graphical representation and modeling of count data with application in metagenomics. <i>Bioinformatics</i> , 2015, 31, 1648-1654.	1.8	11
40	<scp>SIGNR</scp> 3â€dependent immune regulation by <i>Lactobacillus acidophilus</i> surface layer protein A in <i>Acolitis</i> . <i>EMBO Journal</i> , 2015, 34, 881-895.	3.5	107
41	Dynamics of Infant Gut Microbiota Are Influenced by Delivery Mode and Gestational Duration and Are Associated with Subsequent Adiposity. <i>MBio</i> , 2015, 6, .	1.8	271
42	Growth promotion and gut microbiota: insights from antibiotic use. <i>Environmental Microbiology</i> , 2015, 17, 2216-2227.	1.8	51
43	Human microbiota: â€˜The philosophers have only interpreted the world in various ways. The point, however, is to change itâ€™™. <i>Microbial Biotechnology</i> , 2015, 8, 11-12.	2.0	6
44	Inner Workings: Malnutrition, gutted. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 641-642.	3.3	1
45	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. <i>Cell Host and Microbe</i> , 2015, 17, 260-273.	5.1	1,008
46	Maternal prenatal stress is associated with the infant intestinal microbiota. <i>Psychoneuroendocrinology</i> , 2015, 53, 233-245.	1.3	359
47	Management of severe acute malnutrition in low-income and middle-income countries. <i>Archives of Disease in Childhood</i> , 2015, 100, 283-287.	1.0	70
48	Identifying strains that contribute to complex diseases through the study of microbial inheritance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 633-640.	3.3	63
49	Food, Immunity, and the Microbiome. <i>Gastroenterology</i> , 2015, 148, 1107-1119.	0.6	278
50	Dietary effects on human gut microbiome diversity. <i>British Journal of Nutrition</i> , 2015, 113, S1-S5.	1.2	350
51	Proteobacteria: microbial signature of dysbiosis in gut microbiota. <i>Trends in Biotechnology</i> , 2015, 33, 496-503.	4.9	2,453
52	Metabolic and metagenomic outcomes from early-life pulsed antibiotic treatment. <i>Nature Communications</i> , 2015, 6, 7486.	5.8	317
53	The Good, the Bad, and the Unknown: Microbial Symbioses of the American Alligator. <i>Integrative and Comparative Biology</i> , 2015, 55, 972-985.	0.9	19
54	Where Next for Microbiome Research?. <i>PLoS Biology</i> , 2015, 13, e1002050.	2.6	115
55	Birth of the Infant Gut Microbiome: Moms Deliver Twice!. <i>Cell Host and Microbe</i> , 2015, 17, 543-544.	5.1	15
56	Dynamics and Stabilization of the Human Gut Microbiome during the First Year of Life. <i>Cell Host and Microbe</i> , 2015, 17, 690-703.	5.1	2,276

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57	Antibiotics, Pediatric Dysbiosis, and Disease. <i>Cell Host and Microbe</i> , 2015, 17, 553-564.	5.1	428
58	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. <i>Science Translational Medicine</i> , 2015, 7, 276ra24.	5.8	280
59	Cultivating Healthy Growth and Nutrition through the Gut Microbiota. <i>Cell</i> , 2015, 161, 36-48.	13.5	155
60	Regulators of Gut Motility Revealed by a Gnotobiotic Model of Diet-Microbiome Interactions Related to Travel. <i>Cell</i> , 2015, 163, 95-107.	13.5	190
61	A catalog of the mouse gut metagenome. <i>Nature Biotechnology</i> , 2015, 33, 1103-1108.	9.4	422
62	Structure and function of the healthy pre-adolescent pediatric gut microbiome. <i>Microbiome</i> , 2015, 3, 36.	4.9	283
63	Linking Microbiota to Human Diseases: A Systems Biology Perspective. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 758-770.	3.1	134
64	Bifidobacteria grown on human milk oligosaccharides downregulate the expression of inflammation-related genes in Caco-2 cells. <i>BMC Microbiology</i> , 2015, 15, 172.	1.3	67
65	Helminths and the microbiota: parts of the hygiene hypothesis. <i>Parasite Immunology</i> , 2015, 37, 314-323.	0.7	70
66	Diet and specific microbial exposure trigger features of environmental enteropathy in a novel murine model. <i>Nature Communications</i> , 2015, 6, 7806.	5.8	172
67	Stool microbiota composition is associated with the prospective risk of <i>Plasmodium falciparum</i> infection. <i>BMC Genomics</i> , 2015, 16, 631.	1.2	90
68	Diet shapes the gut microbiome of pigs during nursing and weaning. <i>Microbiome</i> , 2015, 3, 28.	4.9	387
69	Prediction of Early Childhood Caries via Spatial-Temporal Variations of Oral Microbiota. <i>Cell Host and Microbe</i> , 2015, 18, 296-306.	5.1	204
70	Rate of establishing the gut microbiota in infancy has consequences for future health. <i>Gut Microbes</i> , 2015, 6, 321-325.	4.3	82
71	Early life dynamics of the human gut virome and bacterial microbiome in infants. <i>Nature Medicine</i> , 2015, 21, 1228-1234.	15.2	523
72	Gut DNA viromes of Malawian twins discordant for severe acute malnutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11941-11946.	3.3	262
73	Human milk oligosaccharides in premature infants: absorption, excretion, and influence on the intestinal microbiota. <i>Pediatric Research</i> , 2015, 78, 670-677.	1.1	155
74	Assessing the Intestinal Microbiota in the SHINE Trial. <i>Clinical Infectious Diseases</i> , 2015, 61, S738-S744.	2.9	14

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75	The known, the unknown and the unknowable: weaning times from Archaeological bones using nitrogen isotope ratios. <i>Journal of Archaeological Science</i> , 2015, 53, 618-625.	1.2	92
76	Childhood malnutrition and the intestinal microbiome. <i>Pediatric Research</i> , 2015, 77, 256-262.	1.1	120
77	An Exposome Perspective on Environmental Enteric Dysfunction. <i>Environmental Health Perspectives</i> , 2016, 124, 1121-1126.	2.8	20
78	An Update on Gut Microbiota and Infant's Health. <i>Journal of Bacteriology and Virology</i> , 2016, 46, 303.	0.0	0
79	Interferon Tau Affects Mouse Intestinal Microbiota and Expression of IL-17. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	1.4	21
80	Dietary Chitosan Supplementation Increases Microbial Diversity and Attenuates the Severity of <i>Citrobacter rodentium</i> Infection in Mice. <i>Mediators of Inflammation</i> , 2016, 2016, 1-7.	1.4	17
81	HIV-Exposed Uninfected Infants in Zimbabwe: Insights into Health Outcomes in the Pre-Antiretroviral Therapy Era. <i>Frontiers in Immunology</i> , 2016, 7, 190.	2.2	53
82	Nutritional Enteric Failure: Neglected Tropical Diseases and Childhood Stunting. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004523.	1.3	21
83	Longitudinal Analysis of the Intestinal Microbiota in Persistently Stunted Young Children in South India. <i>PLoS ONE</i> , 2016, 11, e0155405.	1.1	94
84	The Microbiome and Cancer. <i>Cancer Nursing</i> , 2016, 39, E56-E62.	0.7	20
85	Interactions between intestinal pathogens, enteropathy and malnutrition in developing countries. <i>Current Opinion in Infectious Diseases</i> , 2016, 29, 229-236.	1.3	83
86	The complex interplay of diet, xenobiotics, and microbial metabolism in the gut: Implications for clinical outcomes. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 99, 588-599.	2.3	24
87	Gut microbiota in Malawian infants in a nutritional supplementation trial. <i>Tropical Medicine and International Health</i> , 2016, 21, 283-290.	1.0	26
88	Datafying microbes: Malnutrition at the intersection of genomics and global health. <i>BioSocieties</i> , 2016, 11, 334-351.	0.8	15
89	A microbial perspective of human developmental biology. <i>Nature</i> , 2016, 535, 48-55.	13.7	215
90	The Human Microbiome and Public Health: Social and Ethical Considerations. <i>American Journal of Public Health</i> , 2016, 106, 414-420.	1.5	36
91	Impact of the gut microbiota on enhancer accessibility in gut intraepithelial lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14805-14810.	3.3	37
92	Environmental Enteric Dysfunction and Growth Failure/Stunting in Global Child Health. <i>Pediatrics</i> , 2016, 138, .	1.0	184

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93	Urinary N-methylnicotinamide and β^2 -aminoisobutyric acid predict catch-up growth in undernourished Brazilian children. <i>Scientific Reports</i> , 2016, 6, 19780.	1.6	56
94	The Gut Microbiome. , 2016, , 799-808.		2
95	Turning Participatory Microbiome Research into Usable Data: Lessons from the American Gut Project. <i>Journal of Microbiology and Biology Education</i> , 2016, 17, 46-50.	0.5	42
96	Effect of short-term room temperature storage on the microbial community in infant fecal samples. <i>Scientific Reports</i> , 2016, 6, 26648.	1.6	39
98	Diarrheal disease and enteric infections in LMIC communities: how big is the problem?. <i>Tropical Diseases, Travel Medicine and Vaccines</i> , 2016, 2, 11.	0.9	29
99	The Human Intestinal Microbiome in Health and Disease. <i>New England Journal of Medicine</i> , 2016, 375, 2369-2379.	13.9	2,383
100	Host genetics is associated with the gut microbial community membership rather than the structure. <i>Molecular BioSystems</i> , 2016, 12, 1676-1686.	2.9	11
101	Immune Dysfunction as a Cause and Consequence of Malnutrition. <i>Trends in Immunology</i> , 2016, 37, 386-398.	2.9	411
102	Development of the gut microbiota and mucosal IgA responses in twins and gnotobiotic mice. <i>Nature</i> , 2016, 534, 263-266.	13.7	266
103	The interplay between intestinal bacteria and host metabolism in health and disease: lessons from <i>Drosophila melanogaster</i> . <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 271-281.	1.2	84
104	How to build healthy growth-promoting gut communities. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 379-380.	8.2	4
105	Gut microbiota analysis reveals a marked shift to bifidobacteria by a starter infant formula containing a synbiotic of bovine milk-derived oligosaccharides and <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> ...CNCM I-3446. <i>Environmental Microbiology</i> , 2016, 18, 2185-2195.	1.8	68
106	The effects of antibiotics on the microbiome throughout development and alternative approaches for therapeutic modulation. <i>Genome Medicine</i> , 2016, 8, 39.	3.6	676
107	Antibiotic perturbation of the murine gut microbiome enhances the adiposity, insulin resistance, and liver disease associated with high-fat diet. <i>Genome Medicine</i> , 2016, 8, 48.	3.6	153
108	Microbiome sequencing: challenges and opportunities for molecular medicine. <i>Expert Review of Molecular Diagnostics</i> , 2016, 16, 795-805.	1.5	33
109	Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. <i>Nutrition Reviews</i> , 2016, 74, 374-386.	2.6	73
110	Microbial-Derived Metabolites Reflect an Altered Intestinal Microbiota during Catch-Up Growth in Undernourished Neonatal Mice. <i>Journal of Nutrition</i> , 2016, 146, 940-948.	1.3	19
112	Microbiome Changes during Tuberculosis and Antituberculous Therapy. <i>Clinical Microbiology Reviews</i> , 2016, 29, 915-926.	5.7	71

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113	Protein- and zinc-deficient diets modulate the murine microbiome and metabolic phenotype. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1253-1262.	2.2	83
114	Diet influence on the gut microbiota and dysbiosis related to nutritional disorders. <i>Human Microbiome Journal</i> , 2016, 1, 3-11.	3.8	119
115	Mortality in children with complicated severe acute malnutrition is related to intestinal and systemic inflammation: an observational cohort study. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1441-1449.	2.2	112
116	Signals from the gut microbiota to distant organs in physiology and disease. <i>Nature Medicine</i> , 2016, 22, 1079-1089.	15.2	952
117	Altered gut microbiota in female mice with persistent low body weights following removal of post-weaning chronic dietary restriction. <i>Genome Medicine</i> , 2016, 8, 103.	3.6	20
118	Environmental Enteropathy: Elusive but Significant Subclinical Abnormalities in Developing Countries. <i>EBioMedicine</i> , 2016, 10, 25-32.	2.7	112
119	How stable is the human gut microbiota? And why this question matters. <i>Environmental Microbiology</i> , 2016, 18, 2779-2783.	1.8	17
120	Fecal microbiota transplantation in inflammatory bowel disease: the quest for the holy grail. <i>Mucosal Immunology</i> , 2016, 9, 1360-1365.	2.7	64
121	Antibiotic perturbation of the preterm infant gut microbiome and resistome. <i>Gut Microbes</i> , 2016, 7, 443-449.	4.3	102
122	Effects of a gut pathobiont in a gnotobiotic mouse model of childhood undernutrition. <i>Science Translational Medicine</i> , 2016, 8, 366ra164.	5.8	54
123	Malnutrition Is Associated with Protection from Rotavirus Diarrhea: Evidence from a Longitudinal Birth Cohort Study in Bangladesh. <i>Journal of Clinical Microbiology</i> , 2016, 54, 2568-2574.	1.8	26
124	Antibiotics, birth mode, and diet shape microbiome maturation during early life. <i>Science Translational Medicine</i> , 2016, 8, 343ra82.	5.8	1,012
125	Nutrition meets the microbiome: micronutrients and the microbiota. <i>Annals of the New York Academy of Sciences</i> , 2016, 1372, 53-64.	1.8	173
127	The Gut Microbiota. <i>Gastroenterology Clinics of North America</i> , 2016, 45, 601-614.	1.0	34
128	Weight gain in anorexia nervosa does not ameliorate the faecal microbiota, branched chain fatty acid profiles and gastrointestinal complaints. <i>Scientific Reports</i> , 2016, 6, 26752.	1.6	233
129	Composition of gut microbiota in infants in China and global comparison. <i>Scientific Reports</i> , 2016, 6, 36666.	1.6	63
130	Natural history of the infant gut microbiome and impact of antibiotic treatment on bacterial strain diversity and stability. <i>Science Translational Medicine</i> , 2016, 8, 343ra81.	5.8	763
131	The Microbiomeâ€“Gutâ€“Brain Axis and the Consequences of Infection and Dysbiosis. <i>American Journal of Gastroenterology Supplements (Print)</i> , 2016, 3, 33-40.	0.7	3

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132	Maternal HIV infection influences the microbiome of HIV-uninfected infants. <i>Science Translational Medicine</i> , 2016, 8, 349ra100.	5.8	92
133	Chronic Health Consequences of Acute Enteric Infections in the Developing World. <i>American Journal of Gastroenterology Supplements (Print)</i> , 2016, 3, 4-11.	0.7	25
134	Parental Obesity: Intergenerational Programming and Consequences. , 2016, , .		2
135	The Significance of the Enteric Microbiome on the Development of Childhood Disease: A Review of Prebiotic and Probiotic Therapies in Disorders of Childhood. <i>Clinical Medicine Insights Pediatrics</i> , 2016, 10, CMPed.S38338.	0.7	60
136	Taxonomer: an interactive metagenomics analysis portal for universal pathogen detection and host mRNA expression profiling. <i>Genome Biology</i> , 2016, 17, 111.	3.8	152
137	The Bacterial Microbiome and Virome Milestones of Infant Development. <i>Trends in Microbiology</i> , 2016, 24, 801-810.	3.5	119
138	Environmental Enteric Dysfunction in Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 63, 6-14.	0.9	91
139	Childhood undernutrition, the gut microbiota, and microbiota-directed therapeutics. <i>Science</i> , 2016, 352, 1533-1533.	6.0	183
140	Mechanisms of the Maternal Exposome and Implications for Health Outcomes. <i>Advances in Nursing Science</i> , 2016, 39, E17-E30.	0.6	16
141	Metatranscriptomic analysis of diverse microbial communities reveals core metabolic pathways and microbiome-specific functionality. <i>Microbiome</i> , 2016, 4, 2.	4.9	118
142	Manipulation of the Gut Microbiota Reveals Role in Colon Tumorigenesis. <i>MSphere</i> , 2016, 1, .	1.3	94
143	Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children. <i>Nature Communications</i> , 2016, 7, 10410.	5.8	557
144	Comparison of probiotic lactobacilli and bifidobacteria effects, immune responses and rotavirus vaccines and infection in different host species. <i>Veterinary Immunology and Immunopathology</i> , 2016, 172, 72-84.	0.5	124
145	Microbiota and lifestyle interactions through the lifespan. <i>Trends in Food Science and Technology</i> , 2016, 57, 265-272.	7.8	24
146	Functional Redundancy-Induced Stability of Gut Microbiota Subjected to Disturbance. <i>Trends in Microbiology</i> , 2016, 24, 402-413.	3.5	451
147	Perinatal nutrition: How to take care of the gut microbiota?. <i>Clinical Nutrition Experimental</i> , 2016, 6, 3-16.	2.0	17
148	Including whey protein and whey permeate in ready-to-use supplementary food improves recovery rates in children with moderate acute malnutrition: a randomized, double-blind clinical trial. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 926-933.	2.2	54
149	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , 2016, 351, .	6.0	580

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150	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , 2016, 164, 859-871.	13.5	497
151	The Porosity of Autonomy: Social and Biological Constitution of the Patient in Biomedicine. <i>American Journal of Bioethics</i> , 2016, 16, 34-45.	0.5	33
152	Microbial perturbations and modulation in conditions associated with malnutrition and malabsorption. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2016, 30, 161-172.	1.0	26
153	Chitosan lowers body weight through intestinal microbiota and reduces IL-17 expression via mTOR signalling. <i>Journal of Functional Foods</i> , 2016, 22, 166-176.	1.6	31
154	Itâ€™s in the Milk: Feeding the Microbiome to Promote Infant Growth. <i>Cell Metabolism</i> , 2016, 23, 393-394.	7.2	19
155	Signaling in Host-Associated Microbial Communities. <i>Cell</i> , 2016, 164, 1288-1300.	13.5	130
156	The mouse gut microbiome revisited: From complex diversity to model ecosystems. <i>International Journal of Medical Microbiology</i> , 2016, 306, 316-327.	1.5	70
157	Probiotics in early life: a preventative and treatment approach. <i>Food and Function</i> , 2016, 7, 1752-1768.	2.1	35
158	Role of the Gut Microbiota of Children in Diarrhea Due to the Protozoan Parasite <i>Entamoeba histolytica</i> . <i>Journal of Infectious Diseases</i> , 2016, 213, 1579-1585.	1.9	99
159	<i>Systems Immunology</i> , 2016, , 3-44.		0
160	Gut microbiota and malnutrition. <i>Microbial Pathogenesis</i> , 2017, 106, 127-138.	1.3	173
161	Gut microbiota disturbance during helminth infection: can it affect cognition and behaviour of children?. <i>BMC Infectious Diseases</i> , 2017, 17, 58.	1.3	56
162	Basic Definitions and Concepts: Organization of the Gut Microbiome. <i>Gastroenterology Clinics of North America</i> , 2017, 46, 1-8.	1.0	15
163	Gut microbiome-based medical methodologies for early-stage disease prevention. <i>Microbial Pathogenesis</i> , 2017, 105, 122-130.	1.3	20
164	Integrating gut microbiota immaturity and diseaseâ€™discriminatory taxa to diagnose the initiation and severity of shrimp disease. <i>Environmental Microbiology</i> , 2017, 19, 1490-1501.	1.8	213
165	Stress during pregnancy alters temporal and spatial dynamics of the maternal and offspring microbiome in a sex-specific manner. <i>Scientific Reports</i> , 2017, 7, 44182.	1.6	183
166	Protein Malnutrition Modifies Innate Immunity and Gene Expression by Intestinal Epithelial Cells and Human Rotavirus Infection in Neonatal Gnotobiotic Pigs. <i>MSphere</i> , 2017, 2, .	1.3	37
167	Causal Pathways from Enteropathogens to Environmental Enteropathy: Findings from the MAL-ED Birth Cohort Study. <i>EBioMedicine</i> , 2017, 18, 109-117.	2.7	183

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168	The Fecal Microbial Community of Breast-fed Infants from Armenia and Georgia. <i>Scientific Reports</i> , 2017, 7, 40932.	1.6	28
169	The Plasma Proteome Is Associated with Anthropometric Status of Undernourished Nepalese School-Aged Children. <i>Journal of Nutrition</i> , 2017, 147, jn243014.	1.3	15
170	The intestinal microbiota, energy balance, and malnutrition: emphasis on the role of short-chain fatty acids. <i>Expert Review of Endocrinology and Metabolism</i> , 2017, 12, 215-226.	1.2	30
171	Association Between Breast Milk Bacterial Communities and Establishment and Development of the Infant Gut Microbiome. <i>JAMA Pediatrics</i> , 2017, 171, 647.	3.3	749
172	Biomarkers to Stratify Risk Groups among Children with Malnutrition in Resource-Limited Settings and to Monitor Response to Intervention. <i>Hormone Research in Paediatrics</i> , 2017, 88, 111-117.	0.8	8
173	MÃ©nage Ã trois in the human gut: interactions between host, bacteria and phages. <i>Nature Reviews Microbiology</i> , 2017, 15, 397-408.	13.6	277
174	Multi-drug resistant pathogenic bacteria in the gut of young children in Bangladesh. <i>Gut Pathogens</i> , 2017, 9, 19.	1.6	37
175	MicrobiomeAnalyst: a web-based tool for comprehensive statistical, visual and meta-analysis of microbiome data. <i>Nucleic Acids Research</i> , 2017, 45, W180-W188.	6.5	1,359
176	Microbiome and metabolic disease: revisiting the bacterial phylum Bacteroidetes. <i>Journal of Molecular Medicine</i> , 2017, 95, 1-8.	1.7	267
177	Starved Guts. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 65, 491-495.	0.9	41
178	The resilience of the intestinal microbiota influences health and disease. <i>Nature Reviews Microbiology</i> , 2017, 15, 630-638.	13.6	696
179	Gut microbiome and serum metabolome alterations in obesity and after weight-loss intervention. <i>Nature Medicine</i> , 2017, 23, 859-868.	15.2	1,074
180	The effects of micronutrient deficiencies on bacterial species from the human gut microbiota. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	190
181	Metabolic derangements identified through untargeted metabolomics in a cross-sectional study of Nigerian children with severe acute malnutrition. <i>Metabolomics</i> , 2017, 13, 1.	1.4	20
182	Micronutrient Deficiencies and the Human Gut Microbiota. <i>Trends in Microbiology</i> , 2017, 25, 607-610.	3.5	47
183	Attenuated Effects of Bile Acids on Glucose Metabolism and Insulin Sensitivity in a Male Mouse Model of Prenatal Undernutrition. <i>Endocrinology</i> , 2017, 158, 2441-2452.	1.4	19
184	Increased Urinary Trimethylamine N-Oxide Following Cryptosporidium Infection and Protein Malnutrition Independent of Microbiome Effects. <i>Journal of Infectious Diseases</i> , 2017, 216, 64-71.	1.9	16
185	Lipid-based Nutrient Supplements Do Not Affect Gut <i>Bifidobacterium</i> Microbiota in Malawian Infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 64, 610-615.	0.9	12

#	ARTICLE	IF	CITATIONS
186	Chronic consequences on human health induced by microbial pathogens: Growth faltering among children in developing countries. <i>Vaccine</i> , 2017, 35, 6807-6812.	1.7	39
187	Transmission of the gut microbiota: spreading of health. <i>Nature Reviews Microbiology</i> , 2017, 15, 531-543.	13.6	150
188	<i>Shigella sonnei</i> Encodes a Functional T6SS Used for Interbacterial Competition and Niche Occupancy. <i>Cell Host and Microbe</i> , 2017, 21, 769-776.e3.	5.1	132
189	The Microbiome and Human Biology. <i>Annual Review of Genomics and Human Genetics</i> , 2017, 18, 65-86.	2.5	266
190	Health and Disease Imprinted in the Time Variability of the Human Microbiome. <i>MSystems</i> , 2017, 2, .	1.7	43
191	Microbiota and Obesity. <i>Nestle Nutrition Institute Workshop Series</i> , 2017, 88, 95-106.	1.5	33
192	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. <i>Journal of Nutrition</i> , 2017, 147, 727-745.	1.3	280
193	Gut microbiome as a clinical tool in gastrointestinal disease management: are we there yet?. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 315-320.	8.2	96
194	Impact of maternal antibodies and infant gut microbiota on the immunogenicity of rotavirus vaccines in African, Indian and European infants: protocol for a prospective cohort study. <i>BMJ Open</i> , 2017, 7, e016577.	0.8	21
195	Mechanisms of cross-talk between the diet, the intestinal microbiome, and the undernourished host. <i>Gut Microbes</i> , 2017, 8, 98-112.	4.3	43
196	Fatal community-acquired ribotype 002 <i>Clostridium difficile</i> bacteremia. <i>Anaerobe</i> , 2017, 44, 1-2.	1.0	9
197	The microbiota continuum along the female reproductive tract and its relation to uterine-related diseases. <i>Nature Communications</i> , 2017, 8, 875.	5.8	572
198	Microbiota-Brain-Gut Axis and Neurodegenerative Diseases. <i>Current Neurology and Neuroscience Reports</i> , 2017, 17, 94.	2.0	513
199	Taxonomic structure and functional association of foxtail millet root microbiome. <i>GigaScience</i> , 2017, 6, 1-12.	3.3	1,228
200	Interaction between diet composition and gut microbiota and its impact on gastrointestinal tract health. <i>Food Science and Human Wellness</i> , 2017, 6, 121-130.	2.2	116
201	Severe childhood malnutrition. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17067.	18.1	248
202	Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India. <i>Scientific Reports</i> , 2017, 7, 9168.	1.6	55
203	Metabolic programming of the epigenome: host and gut microbial metabolite interactions with host chromatin. <i>Translational Research</i> , 2017, 189, 30-50.	2.2	34

#	ARTICLE	IF	CITATIONS
204	Hunger and microbiology: is a low gastric acidâ€in induced bacterial overgrowth in the small intestine a contributor to malnutrition in developing countries?. <i>Microbial Biotechnology</i> , 2017, 10, 1025-1030.	2.0	20
205	The Burden of Enteropathy and â€œSubclinicalâ€Infections. <i>Pediatric Clinics of North America</i> , 2017, 64, 815-836.	0.9	33
206	The human microbiome. <i>Advances in Medical Sciences</i> , 2017, 62, 414-420.	0.9	140
207	IL-17A-dependent gut microbiota is essential for regulating diet-induced disorders in mice. <i>Science Bulletin</i> , 2017, 62, 1052-1063.	4.3	16
208	Changes in the Intestinal Microbiota of Gibel Carp (<i>Carassius gibelio</i>) Associated with Cyprinid herpesvirus 2 (CyHV-2) Infection. <i>Current Microbiology</i> , 2017, 74, 1130-1136.	1.0	42
209	Impact of Childhood Malnutrition on Host Defense and Infection. <i>Clinical Microbiology Reviews</i> , 2017, 30, 919-971.	5.7	203
210	Prebiotic galacto-oligosaccharides mitigate the adverse effects of iron fortification on the gut microbiome: a randomised controlled study in Kenyan infants. <i>Gut</i> , 2017, 66, 1956-1967.	6.1	123
211	The Gut Microbiota, Food Science, and Human Nutrition: A Timely Marriage. <i>Cell Host and Microbe</i> , 2017, 22, 134-141.	5.1	87
212	Human growth and the microbiome. <i>Annals of Human Biology</i> , 2017, 44, 487-488.	0.4	0
213	Sex Effects at the Ramparts: Nutrient- and Microbe-Mediated Regulation of the Immune-Metabolic Interface. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1043, 113-140.	0.8	1
214	Microbial antigen encounter during a preweaning interval is critical for tolerance to gut bacteria. <i>Science Immunology</i> , 2017, 2, .	5.6	167
215	Development of Microbiota in Infants and its Role in Maturation of Gut Mucosa and Immune System. <i>Archives of Medical Research</i> , 2017, 48, 666-680.	1.5	54
216	Persistence of Supplemented <i>Bifidobacterium longum</i> subsp. <i>infantis</i> EVC001 in Breastfed Infants. <i>MSphere</i> , 2017, 2, .	1.3	158
217	New melanocortin-like peptide of <i>E. coli</i> can suppress inflammation via the mammalian melanocortin-1 receptor (MC1R): possible endocrine-like function for microbes of the gut. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 31.	2.9	17
218	The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. <i>Microbiology and Molecular Biology Reviews</i> , 2017, 81, .	2.9	1,118
219	Feeding the microbiota: transducer of nutrient signals for the host. <i>Gut</i> , 2017, 66, 1709-1717.	6.1	124
220	Maturation of the Infant Respiratory Microbiota, Environmental Drivers, and Health Consequences. A Prospective Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1582-1590.	2.5	237
221	Exploring the human microbiome from multiple perspectives: factors altering its composition and function. <i>FEMS Microbiology Reviews</i> , 2017, 41, 453-478.	3.9	117

#	ARTICLE	IF	CITATIONS
222	The Gut Microbiome as Possible Key to Understanding and Improving Rotavirus Vaccine Performance in High-Disease Burden Settings. <i>Journal of Infectious Diseases</i> , 2017, 215, 8-10.	1.9	12
223	Oral application of <i>Escherichia coli</i> bacteriophage: safety tests in healthy and diarrheal children from Bangladesh. <i>Environmental Microbiology</i> , 2017, 19, 237-250.	1.8	105
224	An introduction to microbiome analysis for human biology applications. <i>American Journal of Human Biology</i> , 2017, 29, e22931.	0.8	22
225	Siderophore-mediated iron acquisition and modulation of host-bacterial interactions. <i>Free Radical Biology and Medicine</i> , 2017, 105, 68-78.	1.3	110
226	Developmental origins of health and disease: current knowledge and potential mechanisms. <i>Nutrition Reviews</i> , 2017, 75, 951-970.	2.6	219
227	Diet and Kwashiorkor in the Democratic Republic of Congo. , 2017, , 1-19.		0
229	Intestinal Microbiota-Derived GABA Mediates Interleukin-17 Expression during Enterotoxigenic <i>Escherichia coli</i> Infection. <i>Frontiers in Immunology</i> , 2016, 7, 685.	2.2	70
230	Gut Bacteria Missing in Severe Acute Malnutrition, Can We Identify Potential Probiotics by Culturomics?. <i>Frontiers in Microbiology</i> , 2017, 8, 899.	1.5	93
231	Human Gut Microbiota: Toward an Ecology of Disease. <i>Frontiers in Microbiology</i> , 2017, 8, 1265.	1.5	110
232	Captivity Shapes the Gut Microbiota of Andean Bears: Insights into Health Surveillance. <i>Frontiers in Microbiology</i> , 2017, 8, 1316.	1.5	110
233	Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats. <i>Frontiers in Microbiology</i> , 2017, 8, 1395.	1.5	69
234	The Microbiome: a Key Player in Human Health and Disease. <i>Journal of Healthcare Communications</i> , 2017, 02, .	0.8	6
235	Cross-modulation of pathogen-specific pathways enhances malnutrition during enteric co-infection with <i>Giardia lamblia</i> and enteroaggregative <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006471.	2.1	68
236	Healthy gut microbiota can resolve undernutrition. <i>Hepatobiliary Surgery and Nutrition</i> , 2017, 6, 141-143.	0.7	4
237	Multiscale Evolutionary Dynamics of Host-Associated Microbiomes. <i>Cell</i> , 2018, 172, 1216-1227.	13.5	85
238	The Gastrointestinal Microbiome: A Review. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 9-25.	0.6	433
239	PCBs-high-fat diet interactions as mediators of gut microbiota dysbiosis and abdominal fat accumulation in female mice. <i>Environmental Pollution</i> , 2018, 239, 332-341.	3.7	39
240	Gut Microbiota: From Microorganisms to Metabolic Organ Influencing Obesity. <i>Obesity</i> , 2018, 26, 801-809.	1.5	110

#	ARTICLE	IF	CITATIONS
241	Deciphering Human Gut Microbiotaâ€™Nutrient Interactions: A Role for Biochemistry. <i>Biochemistry</i> , 2018, 57, 2567-2577.	1.2	19
242	Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. <i>Cell</i> , 2018, 173, 554-567.	13.5	192
243	Delayed gut microbiota development in high-risk for asthma infants is temporarily modifiable by <i>Lactobacillus</i> supplementation. <i>Nature Communications</i> , 2018, 9, 707.	5.8	158
244	Ready-to-Use Therapeutic Food Made From Locally Available Food Ingredients Is Well Accepted by Children Having Severe Acute Malnutrition in Bangladesh. <i>Food and Nutrition Bulletin</i> , 2018, 39, 116-126.	0.5	16
245	The intestinal protist <i>Blastocystis</i> is not a common member of the healthy infant gut microbiota in a Westernized country (Ireland). <i>Parasitology</i> , 2018, 145, 1274-1278.	0.7	13
246	Linking the Gut Microbiota to Bone Health in Anorexia Nervosa. <i>Current Osteoporosis Reports</i> , 2018, 16, 65-75.	1.5	27
247	Cultivating a Relationship with Gut Bacteria. <i>Cell Metabolism</i> , 2018, 27, 267-268.	7.2	1
248	Role of priority effects in the early-life assembly of the gut microbiota. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 197-205.	8.2	258
249	Polysaccharide peptides from <i>Coriolus versicolor</i> : A multi-targeted approach for the protection or prevention of alcoholic liver disease. <i>Journal of Functional Foods</i> , 2018, 40, 769-777.	1.6	21
250	Antibiotic Treatment Leads to Fecal <i>Escherichia coli</i> and Coliphage Expansion in Severely Malnourished Diarrhea Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 458-460.e6.	2.3	15
251	Maternal metabolic, immune, and microbial systems in late pregnancy vary with malnutrition in miceâ€™. <i>Biology of Reproduction</i> , 2018, 98, 579-592.	1.2	26
252	The Local Defender and Functional Mediator: Gut Microbiome. <i>Digestion</i> , 2018, 97, 137-145.	1.2	26
253	Maturation of the gut microbiome and risk of asthma in childhood. <i>Nature Communications</i> , 2018, 9, 141.	5.8	380
254	Pathogens, microbiome and the host: emergence of the ecological Koch's postulates. <i>FEMS Microbiology Reviews</i> , 2018, 42, 273-292.	3.9	103
255	Multifunctional Role of 35 Kilodalton Hyaluronan in Promoting Defense of the Intestinal Epithelium. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 273-287.	1.3	22
256	Food allergy. <i>Nature Reviews Disease Primers</i> , 2018, 4, 17098.	18.1	244
257	Differential human gut microbiome assemblages during soil-transmitted helminth infections in Indonesia and Liberia. <i>Microbiome</i> , 2018, 6, 33.	4.9	102
258	Microbes and host dance in harmony or disarray?. <i>Protein and Cell</i> , 2018, 9, 395-396.	4.8	3

#	ARTICLE	IF	CITATIONS
259	Alterations in Enteric Virome Are Associated With Colorectal Cancer and Survival Outcomes. <i>Gastroenterology</i> , 2018, 155, 529-541.e5.	0.6	271
260	Genomic and physiological analyses of an indigenous strain, <i>Enterococcus faecium</i> 17OM39. <i>Functional and Integrative Genomics</i> , 2018, 18, 385-399.	1.4	21
261	Food additives, contaminants and other minor components: effects on human gut microbiota—a review. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 69-83.	1.3	127
262	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	28
263	Malnutrition in HIV-Infected Children Is an Indicator of Severe Disease with an Impaired Response to Antiretroviral Therapy. <i>AIDS Research and Human Retroviruses</i> , 2018, 34, 46-55.	0.5	35
264	Male-specific Association Between Fat-Free Mass Index and Fecal Microbiota in 2- to 3-Year-Old Australian Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, 147-151.	0.9	11
265	Complementary Methodologies To Investigate Human Gut Microbiota in Host Health, Working towards Integrative Systems Biology. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	9
266	Melatonin alleviates weaning stress in mice: Involvement of intestinal microbiota. <i>Journal of Pineal Research</i> , 2018, 64, e12448.	3.4	133
267	Do Long-Lived Plasma Cells Maintain a Healthy Microbiota in the Gut?. <i>Trends in Immunology</i> , 2018, 39, 196-208.	2.9	19
268	Assessing gut microbiota perturbations during the early phase of infectious diarrhea in Vietnamese children. <i>Gut Microbes</i> , 2018, 9, 38-54.	4.3	66
271	Assessment of a Nutritional Rehabilitation Model in Two Modern Broilers and Their Jungle Fowl Ancestor. , 2018, , .		0
272	Association between early life antibiotic use and childhood overweight and obesity: a narrative review. <i>Global Health, Epidemiology and Genomics</i> , 2018, 3, e18.	0.2	8
273	Association of Elective and Emergency Cesarean Delivery With Early Childhood Overweight at 12 Months of Age. <i>JAMA Network Open</i> , 2018, 1, e185025.	2.8	45
274	Microglia: Immune Regulators of Neurodevelopment. <i>Frontiers in Immunology</i> , 2018, 9, 2576.	2.2	118
275	Lysozyme-rich milk mitigates effects of malnutrition in a pig model of malnutrition and infection. <i>British Journal of Nutrition</i> , 2018, 120, 1131-1148.	1.2	9
276	Enriching Beneficial Microbial Diversity of Indoor Plants and Their Surrounding Built Environment With Biostimulants. <i>Frontiers in Microbiology</i> , 2018, 9, 2985.	1.5	25
277	A multicenter, randomized controlled comparison of three renutrition strategies for the management of moderate acute malnutrition among children aged from 6 to 24 months (the MALINEA) Tj ETQq0 0.0 rgBT /@verlock 10		
278	Complete Genome Sequencing of <i>Lactobacillus plantarum</i> ZLP001, a Potential Probiotic That Enhances Intestinal Epithelial Barrier Function and Defense Against Pathogens in Pigs. <i>Frontiers in Physiology</i> , 2018, 9, 1689.	1.3	46

#	ARTICLE	IF	CITATIONS
279	Design and application of a novel two-amplicon approach for defining eukaryotic microbiota. <i>Microbiome</i> , 2018, 6, 228.	4.9	18
280	Inherited nongenetic influences on the gut microbiome and immune system. <i>Birth Defects Research</i> , 2018, 110, 1494-1503.	0.8	10
281	Distinct Nasopharyngeal and Oropharyngeal Microbiota of Children with Influenza A Virus Compared with Healthy Children. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	47
282	Intestinal microbiota mediates Enterotoxigenic <i>Escherichia coli</i> -induced diarrhea in piglets. <i>BMC Veterinary Research</i> , 2018, 14, 385.	0.7	92
283	Altered Gut Microbiota and Compositional Changes in Firmicutes and Proteobacteria in Mexican Undernourished and Obese Children. <i>Frontiers in Microbiology</i> , 2018, 9, 2494.	1.5	99
284	Microbiota and Aging. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1086, 141-156.	0.8	9
285	Revisiting Inbred Mouse Models to Study the Developing Brain: The Potential Role of Intestinal Microbiota. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 358.	1.0	7
286	Meta-analysis of effects of exclusive breastfeeding on infant gut microbiota across populations. <i>Nature Communications</i> , 2018, 9, 4169.	5.8	283
287	Distinct mucosal microbial communities in infants with surgical necrotizing enterocolitis correlate with age and antibiotic exposure. <i>PLoS ONE</i> , 2018, 13, e0206366.	1.1	14
288	Temporal development of the gut microbiome in early childhood from the TEDDY study. <i>Nature</i> , 2018, 562, 583-588.	13.7	1,220
289	Aging and Aging-Related Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	0.8	15
290	Linking gut redox to human microbiome. <i>Human Microbiome Journal</i> , 2018, 10, 27-32.	3.8	58
291	Changes in the Gut Microbiota of Urban Subjects during an Immersion in the Traditional Diet and Lifestyle of a Rainforest Village. <i>MSphere</i> , 2018, 3, .	1.3	34
292	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. , 2018, , 131-148.		0
293	Microbial Metabolism in the Mammalian Gut. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, S72-S79.	0.9	15
294	Best practices for analysing microbiomes. <i>Nature Reviews Microbiology</i> , 2018, 16, 410-422.	13.6	1,138
295	40 YEARS OF IGF1: The emerging connections between IGF1, the intestinal microbiome, <i>Lactobacillus</i> strains and bone growth. <i>Journal of Molecular Endocrinology</i> , 2018, 61, T103-T113.	1.1	21
296	Brain Nutrition: A Life Span Approach. <i>Annual Review of Nutrition</i> , 2018, 38, 381-399.	4.3	31

#	ARTICLE	IF	CITATIONS
297	Gut Microbiota in Health and Disease. , 2018, , 57-90.		0
298	Human Gut Microbiota Predicts Susceptibility to Vibrio cholerae Infection. Journal of Infectious Diseases, 2018, 218, 645-653.	1.9	60
299	Characterization of Wild and Captive Baboon Gut Microbiota and Their Antibiotic Resistomes. MSystems, 2018, 3, .	1.7	51
300	Culturing the human microbiota and culturomics. Nature Reviews Microbiology, 2018, 16, 540-550.	13.6	521
301	Gut microbiota dysbiosis is associated with malnutrition and reduced plasma amino acid levels: Lessons from genome-scale metabolic modeling. Metabolic Engineering, 2018, 49, 128-142.	3.6	65
302	Remnant Small Bowel Length in Pediatric Short Bowel Syndrome and the Correlation with Intestinal Dysbiosis and Linear Growth. Journal of the American College of Surgeons, 2018, 227, 439-449.	0.2	28
303	Why is it so difficult to evaluate faecal microbiota transplantation as a treatment for ulcerative colitis?. Intestinal Research, 2018, 16, 209.	1.0	12
304	Time Series Analysis of the Microbiota of Children Suffering From Acute Infectious Diarrhea and Their Recovery After Treatment. Frontiers in Microbiology, 2018, 9, 1230.	1.5	49
305	Personal microbiome analysis improves student engagement and interest in Immunology, Molecular Biology, and Genomics undergraduate courses. PLoS ONE, 2018, 13, e0193696.	1.1	20
306	Structure and diversity of bacterial communities in the fermentation of da-jiang. Annals of Microbiology, 2018, 68, 505-512.	1.1	9
307	Microbiota Composition in Upper Respiratory Tracts of Healthy Children in Shenzhen, China, Differed with Respiratory Sites and Ages. BioMed Research International, 2018, 2018, 1-8.	0.9	40
309	Huddling remodels gut microbiota to reduce energy requirements in a small mammal species during cold exposure. Microbiome, 2018, 6, 103.	4.9	90
310	Nutrients Mediate Intestinal Bacteriaâ€™Mucosal Immune Crosstalk. Frontiers in Immunology, 2018, 9, 5.	2.2	189
311	Parasite-Microbiota Interactions With the Vertebrate Gut: Synthesis Through an Ecological Lens. Frontiers in Microbiology, 2018, 9, 843.	1.5	146
312	Immunologically Active Components in Human Milk and Development of Atopic Disease, With Emphasis on Food Allergy, in the Pediatric Population. Frontiers in Pediatrics, 2018, 6, 218.	0.9	41
313	Protein Intake during the First Two Years of Life and Its Association with Growth and Risk of Overweight. International Journal of Environmental Research and Public Health, 2018, 15, 1742.	1.2	35
314	A low-cost paper-based synthetic biology platform for analyzing gut microbiota and host biomarkers. Nature Communications, 2018, 9, 3347.	5.8	192
315	Human Breast Milk: Exploring the Linking Ring Among Emerging Components. Frontiers in Pediatrics, 2018, 6, 215.	0.9	31

#	ARTICLE	IF	CITATIONS
316	Does Malnutrition Have a Genetic Component?. Annual Review of Genomics and Human Genetics, 2018, 19, 247-262.	2.5	17
317	A snapshot of gut microbiota of an adult urban population from Western region of India. PLoS ONE, 2018, 13, e0195643.	1.1	48
318	Mapping Interactions of Microbial Metabolites with Human G-Protein-Coupled Receptors. Cell Host and Microbe, 2019, 26, 273-282.e7.	5.1	113
319	Fecal Microbiotas of Indonesian and New Zealand Children Differ in Complexity and Bifidobacterial Taxa during the First Year of Life. Applied and Environmental Microbiology, 2019, 85, .	1.4	18
320	IGF1 levels in children with severe acute malnutrition after nutritional recovery: A good predictor for children's long-term health status. EBioMedicine, 2019, 45, 9-10.	2.7	4
321	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. Science, 2019, 365, .	6.0	305
322	A sparse covarying unit that describes healthy and impaired human gut microbiota development. Science, 2019, 365, .	6.0	136
323	Glycan Utilisation and Function in the Microbiome of Weaning Infants. Microorganisms, 2019, 7, 190.	1.6	13
324	Increased Fecal Lactobacillus Is Associated With a Positive Glucose Hydrogen Breath Test in Bangladeshi Children. Open Forum Infectious Diseases, 2019, 6, ofz266.	0.4	4
325	Study of Environmental Enteropathy and Malnutrition (SEEM) in Pakistan: protocols for biopsy based biomarker discovery and validation. BMC Pediatrics, 2019, 19, 247.	0.7	22
326	Prevalence and Correlates of Undernutrition in Young Children Living in Urban Slums of Mumbai, India: A Cross Sectional Study. Frontiers in Public Health, 2019, 7, 191.	1.3	19
327	Impact of Maternal Malnutrition on Gut Barrier Defense: Implications for Pregnancy Health and Fetal Development. Nutrients, 2019, 11, 1375.	1.7	30
328	Animal Models of Undernutrition and Enteropathy as Tools for Assessment of Nutritional Intervention.. Nutrients, 2019, 11, 2233.	1.7	25
329	Increased T Cell Differentiation and Cytolytic Function in Bangladeshi Compared to American Children. Frontiers in Immunology, 2019, 10, 2239.	2.2	14
330	Framework for rational donor selection in fecal microbiota transplant clinical trials. PLoS ONE, 2019, 14, e0222881.	1.1	36
331	Emerging Frontiers in Microbiome Engineering. Trends in Immunology, 2019, 40, 952-973.	2.9	47
332	Microbial metabolite deoxycholic acid controls Clostridium perfringens-induced chicken necrotic enteritis through attenuating inflammatory cyclooxygenase signaling. Scientific Reports, 2019, 9, 14541.	1.6	26
333	The microbiota and infectious diseases. , 2019, , 445-457.		0

#	ARTICLE	IF	CITATIONS
334	Suppressed N fixation and diazotrophs after four decades of fertilization. <i>Microbiome</i> , 2019, 7, 143.	4.9	205
335	Decoding the Metabolome and Lipidome of Child Malnutrition by Mass Spectrometric Techniques: Present Status and Future Perspectives. <i>Analytical Chemistry</i> , 2019, 91, 14784-14791.	3.2	10
336	Impact of delivery mode-associated gut microbiota dynamics on health in the first year of life. <i>Nature Communications</i> , 2019, 10, 4997.	5.8	209
337	Rectal swabs are a reliable proxy for faecal samples in infant gut microbiota research based on 16S-rRNA sequencing. <i>Scientific Reports</i> , 2019, 9, 16072.	1.6	29
338	Recent progress in experimental and human disease-associated multi-species biofilms. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1234-1244.	1.9	14
339	Effects of polysaccharides on glycometabolism based on gut microbiota alteration. <i>Trends in Food Science and Technology</i> , 2019, 92, 65-70.	7.8	105
340	The Microbiota and Malnutrition: Impact of Nutritional Status During Early Life. <i>Annual Review of Nutrition</i> , 2019, 39, 267-290.	4.3	16
341	Maturation of the infant rhesus macaque gut microbiome and its role in the development of diarrheal disease. <i>Genome Biology</i> , 2019, 20, 173.	3.8	40
342	Wheat Gluten Regulates Cholesterol Metabolism by Modulating Gut Microbiota in Hamsters with Hyperlipidemia. <i>Journal of Oleo Science</i> , 2019, 68, 909-922.	0.6	11
343	Dietary intake influences gut microbiota development of healthy Australian children from the age of one to two years. <i>Scientific Reports</i> , 2019, 9, 12476.	1.6	28
344	The Gut Microbiota in the First Decade of Life. <i>Trends in Microbiology</i> , 2019, 27, 997-1010.	3.5	368
345	Persistent metagenomic signatures of early-life hospitalization and antibiotic treatment in the infant gut microbiota and resistome. <i>Nature Microbiology</i> , 2019, 4, 2285-2297.	5.9	191
346	The association of gut microbiota characteristics in Malawian infants with growth and inflammation. <i>Scientific Reports</i> , 2019, 9, 12893.	1.6	25
347	MITRE: inferring features from microbiota time-series data linked to host status. <i>Genome Biology</i> , 2019, 20, 186.	3.8	24
348	Fueling the Optimal Microbiome: Interventions for Severe Acute Malnutrition. <i>Cell Host and Microbe</i> , 2019, 26, 307-308.	5.1	2
349	Rice bran supplementation modulates growth, microbiota and metabolome in weaning infants: a clinical trial in Nicaragua and Mali. <i>Scientific Reports</i> , 2019, 9, 13919.	1.6	31
350	Prenatal and postnatal contributions of the maternal microbiome on offspring programming. <i>Frontiers in Neuroendocrinology</i> , 2019, 55, 100797.	2.5	77
351	Antibiotic treatment triggers gut dysbiosis and modulates metabolism in a chicken model of gastro-intestinal infection. <i>BMC Veterinary Research</i> , 2019, 15, 37.	0.7	29

#	ARTICLE	IF	CITATIONS
352	Role of Probiotics in <i>Mycoplasma pneumoniae</i> Pneumonia in Children: A Short-Term Pilot Project. <i>Frontiers in Microbiology</i> , 2018, 9, 3261.	1.5	7
353	Role of the microbiome in human development. <i>Gut</i> , 2019, 68, 1108-1114.	6.1	496
354	Contextual risk factors impacting the colonization and development of the intestinal microbiota: Implications for children in low- and middle-income countries. <i>Developmental Psychobiology</i> , 2019, 61, 714-728.	0.9	5
355	Disentangling Microbial Mediators of Malnutrition: Modeling Environmental Enteric Dysfunction. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 692-707.	2.3	37
356	Influence of own mother's milk and different proportions of formula on intestinal microbiota of very preterm newborns. <i>PLoS ONE</i> , 2019, 14, e0217296.	1.1	21
357	Small intestinal transcriptome analysis revealed changes of genes involved in nutrition metabolism and immune responses in growth retardation piglets ¹ . <i>Journal of Animal Science</i> , 2019, 97, 3795-3808.	0.2	16
358	Soya, maize and sorghum ready-to-use therapeutic foods are more effective in correcting anaemia and iron deficiency than the standard ready-to-use therapeutic food: randomized controlled trial. <i>BMC Public Health</i> , 2019, 19, 806.	1.2	23
359	Grape Seed Proanthocyanidin Affects Lipid Metabolism via Changing Gut Microflora and Enhancing Propionate Production in Weaned Pigs. <i>Journal of Nutrition</i> , 2019, 149, 1523-1532.	1.3	75
360	Micronutrient Requirements and Sharing Capabilities of the Human Gut Microbiome. <i>Frontiers in Microbiology</i> , 2019, 10, 1316.	1.5	113
361	Childhood growth and neurocognition are associated with distinct sets of metabolites. <i>EBioMedicine</i> , 2019, 44, 597-606.	2.7	27
362	Dynamic Modulation of the Gut Microbiota and Metabolome by Bacteriophages in a Mouse Model. <i>Cell Host and Microbe</i> , 2019, 25, 803-814.e5.	5.1	317
363	Disrupted Maturation of the Microbiota and Metabolome among Extremely Preterm Infants with Postnatal Growth Failure. <i>Scientific Reports</i> , 2019, 9, 8167.	1.6	64
364	How the gut microbiome regulates host immune responses to viral vaccines. <i>Current Opinion in Virology</i> , 2019, 37, 16-25.	2.6	50
365	Pathogen Colonization Resistance in the Gut and Its Manipulation for Improved Health. <i>American Journal of Pathology</i> , 2019, 189, 1300-1310.	1.9	31
366	Dairy and Nondairy-Based Beverages as a Vehicle for Probiotics, Prebiotics, and Symbiotics: Alternatives to Health Versus Disease Binomial Approach Through Food. , 2019, , 473-520.		10
367	Prediction Analysis for Microbiome Sequencing Data. <i>Biometrics</i> , 2019, 75, 875-884.	0.8	10
368	metamicrobiomeR: an R package for analysis of microbiome relative abundance data using zero-inflated beta GAMLSS and meta-analysis across studies using random effects models. <i>BMC Bioinformatics</i> , 2019, 20, 188.	1.2	56
369	Immunomodulatory effects of breast milk on food allergy. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 123, 133-143.	0.5	66

#	ARTICLE	IF	CITATIONS
370	A Weaning Reaction to Microbiota Is Required for Resistance to Immunopathologies in the Adult. <i>Immunity</i> , 2019, 50, 1276-1288.e5.	6.6	379
371	Gut mucosal virome alterations in ulcerative colitis. <i>Gut</i> , 2019, 68, 1169-1179.	6.1	289
372	The Perturbation of Infant Gut Microbiota Caused by Cesarean Delivery Is Partially Restored by Exclusive Breastfeeding. <i>Frontiers in Microbiology</i> , 2019, 10, 598.	1.5	65
373	Early gut microbiota signature of aGvHD in children given allogeneic hematopoietic cell transplantation for hematological disorders. <i>BMC Medical Genomics</i> , 2019, 12, 49.	0.7	50
374	Respiratory Microbiota Predicts Clinical Disease Course of Acute Otorrhea in Children With Tympanostomy Tubes. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, e116-e125.	1.1	23
375	Gut microbiota characterization and lipid metabolism disorder found in PCB77-treated female mice. <i>Toxicology</i> , 2019, 420, 11-20.	2.0	16
376	Primate microbiomes over time: Longitudinal answers to standing questions in microbiome research. <i>American Journal of Primatology</i> , 2019, 81, e22970.	0.8	46
377	The gut virome: the "missing link"™ between gut bacteria and host immunity?. <i>Therapeutic Advances in Gastroenterology</i> , 2019, 12, 175628481983662.	1.4	127
378	Health Outcomes, Pathogenesis and Epidemiology of Severe Acute Malnutrition (HOPE-SAM): rationale and methods of a longitudinal observational study. <i>BMJ Open</i> , 2019, 9, e023077.	0.8	22
379	A review of GI conditions critical to oral drug absorption in malnourished children. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 9-22.	2.0	10
380	Germ-Free Animals as a Tool to Study Indigenous Microbiota. , 2019, , 3-11.		1
381	Environmental enteric dysfunction and child stunting. <i>Nutrition Reviews</i> , 2019, 77, 240-253.	2.6	100
382	<i>Lactobacillus rhamnosus</i> GG can protect malnourished children. <i>Beneficial Microbes</i> , 2019, 10, 237-244.	1.0	17
383	Edematous severe acute malnutrition is characterized by hypomethylation of DNA. <i>Nature Communications</i> , 2019, 10, 5791.	5.8	23
384	Maternal milk and fecal microbes guide the spatiotemporal development of mucosa-associated microbiota and barrier function in the porcine neonatal gut. <i>BMC Biology</i> , 2019, 17, 106.	1.7	51
385	Intestinal <i>Bacteroides</i> sp. Imbalance Associated With the Occurrence of Childhood Undernutrition in China. <i>Frontiers in Microbiology</i> , 2019, 10, 2635.	1.5	9
386	Severe gut microbiota dysbiosis caused by malnourishment can be partly restored during 3% weeks of refeeding with fortified corn-soy-blend in a piglet model of childhood malnutrition. <i>BMC Microbiology</i> , 2019, 19, 277.	1.3	7
387	Microbiota and Body Composition During the Period of Complementary Feeding. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 69, 726-732.	0.9	6

#	ARTICLE	IF	CITATIONS
388	Undernutrition, Host Immunity and Vulnerability to Infection Among Young Children. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, e175-e177.	1.1	31
389	Advancing functional and translational microbiome research using meta-omics approaches. <i>Microbiome</i> , 2019, 7, 154.	4.9	177
390	A Prospective Study on Child Morbidity and Gut Microbiota in Rural Malawi. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 69, 431-437.	0.9	8
391	Longitudinal Analysis of Infant Stool Bacteria Communities Before and After Acute Febrile Malaria and Artemether-Lumefantrine Treatment. <i>Journal of Infectious Diseases</i> , 2019, 220, 687-698.	1.9	16
392	Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life. <i>Nature Microbiology</i> , 2019, 4, 470-479.	5.9	164
393	Gut microbiota dysbiosis correlates with a low-dose PCB126-induced dyslipidemia and non-alcoholic fatty liver disease. <i>Science of the Total Environment</i> , 2019, 653, 274-282.	3.9	65
394	Developments on the Applications and the Suitability of Functional Fermented Sour Soba as a Viable Source of Novel Probiotics in the Managements of Gastrointestinal Disorders and Blood Lipid Profiles. , 2019, , 579-602.		1
395	Microbial regulation of organismal energy homeostasis. <i>Nature Metabolism</i> , 2019, 1, 34-46.	5.1	354
396	The Human Microbiome and Child Growth – First 1000 Days and Beyond. <i>Trends in Microbiology</i> , 2019, 27, 131-147.	3.5	467
397	Obesity, diabetes, and the gut microbiome: an updated review. <i>Expert Review of Gastroenterology and Hepatology</i> , 2019, 13, 3-15.	1.4	139
398	The gut microbiome: Relationships with disease and opportunities for therapy. <i>Journal of Experimental Medicine</i> , 2019, 216, 20-40.	4.2	547
399	Gut microbiota and obesity: An opportunity to alter obesity through faecal microbiota transplant (FMT). <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 479-490.	2.2	101
400	Characterising the respiratory microbiome. <i>European Respiratory Journal</i> , 2019, 53, 1801711.	3.1	24
401	You are what you eat: diet, health and the gut microbiota. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 35-56.	8.2	980
402	Gut microbiota alterations and dietary modulation in childhood malnutrition – The role of short chain fatty acids. <i>Clinical Nutrition</i> , 2019, 38, 615-630.	2.3	65
403	Advancing Nutrition in the International Food Assistance Agenda: Progress and Future Directions Identified at the 2018 Food Assistance for Nutrition Evidence Summit. <i>Food and Nutrition Bulletin</i> , 2020, 41, 8-17.	0.5	6
404	Quorum sensing for population-level control of bacteria and potential therapeutic applications. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1319-1343.	2.4	101
405	Problems with the concept of gut microbiota dysbiosis. <i>Microbial Biotechnology</i> , 2020, 13, 423-434.	2.0	132

#	ARTICLE	IF	CITATIONS
406	Microbial Control of Intestinal Homeostasis via Enteroendocrine Cell Innate Immune Signaling. <i>Trends in Microbiology</i> , 2020, 28, 141-149.	3.5	24
407	Aetiology and outcome of acute diarrhoea in children with severe acute malnutrition: a comparative study. <i>Public Health Nutrition</i> , 2020, 23, 1563-1568.	1.1	5
408	Dietary Habits of 2- to 9-Year-Old American Children Are Associated with Gut Microbiome Composition. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2020, 120, 517-534.	0.4	34
409	Provision of Lipid-Based Nutrient Supplements to Mothers During Pregnancy and 6 Months Postpartum and to Their Infants from 6 to 18 Months Promotes Infant Gut Microbiota Diversity at 18 Months of Age but Not Microbiota Maturation in a Rural Malawian Setting: Secondary Outcomes of a Randomized Trial. <i>Journal of Nutrition</i> , 2020, 150, 918-928.	1.3	23
410	Characterization of the gut microbiota of Nicaraguan children in a water insecure context. <i>American Journal of Human Biology</i> , 2020, 32, e23371.	0.8	16
411	Long-term administration of <i>Lactobacillus casei</i> Zhang stabilized gut microbiota of adults and reduced gut microbiota age index of older adults. <i>Journal of Functional Foods</i> , 2020, 64, 103682.	1.6	16
412	Diarrhea as a Potential Cause and Consequence of Reduced Gut Microbial Diversity Among Undernourished Children in Peru. <i>Clinical Infectious Diseases</i> , 2020, 71, 989-999.	2.9	35
413	Gut Microbiota Features Associated With <i>Campylobacter</i> Burden and Postnatal Linear Growth Deficits in a Peruvian Birth Cohort. <i>Clinical Infectious Diseases</i> , 2020, 71, 1000-1007.	2.9	25
414	Annual Research Review: Critical windows of the microbiota-gut-brain axis in neurocognitive development. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2020, 61, 353-371.	3.1	103
415	Phenotype is sustained during hospital readmissions following treatment for complicated severe malnutrition among Kenyan children: A retrospective cohort study. <i>Maternal and Child Nutrition</i> , 2020, 16, e12913.	1.4	5
416	Higher frequency of vertebrate-infecting viruses in the gut of infants born to mothers with type 1 diabetes. <i>Pediatric Diabetes</i> , 2020, 21, 271-279.	1.2	10
417	Inulin Fermentation by <i>Lactobacilli</i> and <i>Bifidobacteria</i> from Dairy Calves. <i>Applied and Environmental Microbiology</i> , 2020, 87, .	1.4	17
418	The University of Zimbabwe College of Health Sciences (UZ-CHS) BIRTH COHORT study: rationale, design and methods. <i>BMC Infectious Diseases</i> , 2020, 20, 725.	1.3	10
419	Nutritional Targeting of the Microbiome as Potential Therapy for Malnutrition and Chronic Inflammation. <i>Nutrients</i> , 2020, 12, 3032.	1.7	10
420	Malnutrition, poor post-natal growth, intestinal dysbiosis and the developing lung. <i>Journal of Perinatology</i> , 2021, 41, 1797-1810.	0.9	8
421	Understanding the impact of antibiotic perturbation on the human microbiome. <i>Genome Medicine</i> , 2020, 12, 82.	3.6	148
422	Nutrition and the Gut Microbiota in 10- to 18-Month-Old Children Living in Urban Slums of Mumbai, India. <i>MSphere</i> , 2020, 5, .	1.3	20
423	Dynamic change of the gastrointestinal bacterial ecology in cows from birth to adulthood. <i>MicrobiologyOpen</i> , 2020, 9, e1119.	1.2	14

#	ARTICLE	IF	CITATIONS
424	The early life education of the immune system: Moms, microbes and (missed) opportunities. Gut Microbes, 2020, 12, 1824564.	4.3	40
425	Aflatoxins in organs and biological samples from children affected by kwashiorkor, marasmus and marasmic-kwashiorkor: A scoping review. Toxicon, 2020, 185, 174-183.	0.8	11
426	Growth and the Microbiome – Integrating Global Health with Basic Science. New England Journal of Medicine, 2020, 383, 391-393.	13.9	4
427	Feature screening of quadratic inference functions for ultrahigh dimensional longitudinal data. Journal of Statistical Computation and Simulation, 2020, 90, 2614-2630.	0.7	2
428	Crosstalk between the growth hormone/insulin-like growth factor-1 axis and the gut microbiome: A new frontier for microbial endocrinology. Growth Hormone and IGF Research, 2020, 53-54, 101333.	0.5	25
429	Metabolic Cooperation among Commensal Bacteria Supports Drosophila Juvenile Growth under Nutritional Stress. IScience, 2020, 23, 101232.	1.9	51
430	Does entry to center-based childcare affect gut microbial colonization in young infants?. Scientific Reports, 2020, 10, 10235.	1.6	11
431	Early Gut Fungal and Bacterial Microbiota and Childhood Growth. Frontiers in Pediatrics, 2020, 8, 572538.	0.9	13
432	Food Insecurity, Malnutrition, and the Microbiome. Current Nutrition Reports, 2020, 9, 356-360.	2.1	28
433	Delivery mode and gut microbial changes correlate with an increased risk of childhood asthma. Science Translational Medicine, 2020, 12, .	5.8	92
434	Dietary fruit and vegetable intake, gut microbiota, and type 2 diabetes: results from two large human cohort studies. BMC Medicine, 2020, 18, 371.	2.3	74
435	Pathogenicity and virulence regulation of <i>Vibrio cholerae</i> at the interface of host-gut microbiome interactions. Virulence, 2020, 11, 1582-1599.	1.8	28
436	Amino Acids in Nutrition and Health. Advances in Experimental Medicine and Biology, 2020, , .	0.8	6
437	Microbiome and pediatric obesity, malnutrition, and nutrition. , 2020, , 157-181.		5
438	Microbiota on biotics: probiotics, prebiotics, and synbiotics to optimize growth and metabolism. American Journal of Physiology - Renal Physiology, 2020, 319, G382-G390.	1.6	26
439	Immunoglobulin recognition of fecal bacteria in stunted and non-stunted children: findings from the Afribiota study. Microbiome, 2020, 8, 113.	4.9	21
440	Microbiota assembly, structure, and dynamics among Tsimane horticulturalists of the Bolivian Amazon. Nature Communications, 2020, 11, 3772.	5.8	29
441	A Distinct Contractile Injection System Gene Cluster Found in a Majority of Healthy Adult Human Microbiomes. MSystems, 2020, 5, .	1.7	8

#	ARTICLE	IF	CITATIONS
442	Advances in the Involvement of Gut Microbiota in Pathophysiology of NAFLD. <i>Frontiers in Medicine</i> , 2020, 7, 361.	1.2	47
443	Essential oils and microbiota: Implications for diet and weight control. <i>Trends in Food Science and Technology</i> , 2020, 104, 60-71.	7.8	14
444	Survey of rumen microbiota of domestic grazing yak during different growth stages revealed novel maturation patterns of four key microbial groups and their dynamic interactions. <i>Animal Microbiome</i> , 2020, 2, 23.	1.5	33
445	Evasion of MAIT cell recognition by the African <i>Salmonella</i> Typhimurium ST313 pathovar that causes invasive disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20717-20728.	3.3	20
446	Does gut microbiome associate with the growth of infants? A review of the literature. <i>Enfermería Clínica</i> , 2020, 30, 66-70.	0.1	3
447	Genetic differences and longevity-related phenotypes influence lifespan and lifespan variation in a sex-specific manner in mice. <i>Aging Cell</i> , 2020, 19, e13263.	3.0	18
448	Neurodevelopment and the gut microbiome. , 2020, , 115-143.		2
449	Multi-population cohort meta-analysis of human intestinal microbiota in early life reveals the existence of infant community state types (ICSTs). <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2480-2493.	1.9	19
451	The double burden of malnutrition—further perspective. <i>Lancet, The</i> , 2020, 396, 813.	6.3	15
452	Of men in mice: the development and application of a humanized gnotobiotic mouse model for microbiome therapeutics. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1383-1396.	3.2	87
453	Nutritional Modulation of the Microbiome and Immune Response. <i>Journal of Immunology</i> , 2020, 205, 1479-1487.	0.4	24
454	Infant gut microbiota characteristics generally do not modify effects of lipid-based nutrient supplementation on growth or inflammation: secondary analysis of a randomized controlled trial in Malawi. <i>Scientific Reports</i> , 2020, 10, 14861.	1.6	8
455	Comparing the Bacterial Community in the Gastrointestinal Tracts Between Growth-Retarded and Normal Yaks on the Qinghai-Tibetan Plateau. <i>Frontiers in Microbiology</i> , 2020, 11, 600516.	1.5	24
456	Prediction of mortality in severe acute malnutrition in hospitalized children by faecal volatile organic compound analysis: proof of concept. <i>Scientific Reports</i> , 2020, 10, 18785.	1.6	1
457	Combined Prebiotic and Microbial Intervention Improves Oral Cholera Vaccination Responses in a Mouse Model of Childhood Undernutrition. <i>Cell Host and Microbe</i> , 2020, 27, 899-908.e5.	5.1	38
458	The nutrition risk index is associated with bacteremia within 30 days after autologous stem cell transplantation in patients with multiple myeloma. <i>Transplant Infectious Disease</i> , 2020, 22, e13302.	0.7	5
459	Gut dysbiosis in severe acute malnutrition is not an immaturity: The irreversible quantitative-qualitative paradigm shift. <i>Human Microbiome Journal</i> , 2020, 15, 100067.	3.8	2
460	A systematic machine learning and data type comparison yields metagenomic predictors of infant age, sex, breastfeeding, antibiotic usage, country of origin, and delivery type. <i>PLoS Computational Biology</i> , 2020, 16, e1007895.	1.5	21

#	ARTICLE	IF	CITATIONS
461	The athletic gut microbiota. <i>Journal of the International Society of Sports Nutrition</i> , 2020, 17, 24.	1.7	157
462	Short Bowel Syndrome in an Infant. <i>NeoReviews</i> , 2020, 21, e370-e382.	0.4	5
463	Development of the gut microbiota in early life: The impact of cystic fibrosis and antibiotic treatment. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 553-561.	0.3	41
464	Interpersonal Gut Microbiome Variation Drives Susceptibility and Resistance to Cholera Infection. <i>Cell</i> , 2020, 181, 1533-1546.e13.	13.5	108
465	A prebiotic-enhanced lipid-based nutrient supplement (LNSp) increases <i>Bifidobacterium</i> relative abundance and enhances short-chain fatty acid production in simulated colonic microbiota from undernourished infants. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	10
466	Fatâ€Shaped Microbiota Affects Lipid Metabolism, Liver Steatosis, and Intestinal Homeostasis in Mice Fed a Lowâ€Protein Diet. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900835.	1.5	11
467	An empirical Bayes approach to normalization and differential abundance testing for microbiome data. <i>BMC Bioinformatics</i> , 2020, 21, 225.	1.2	11
468	The infant microbiome and implications for central nervous system development. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 171, 1-13.	0.9	5
470	Immunometabolism: new insights and lessons from antigen-directed cellular immune responses. <i>Seminars in Immunopathology</i> , 2020, 42, 279-313.	2.8	37
471	A secondary bile acid from microbiota metabolism attenuates ileitis and bile acid reduction in subclinical necrotic enteritis in chickens. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 37.	2.1	19
472	Probiotic from human breast milk, <i>Lactobacillus fermentum</i> , promotes growth in animal model of chronic malnutrition. <i>Pediatric Research</i> , 2020, 88, 374-381.	1.1	7
473	Nutritional and stress effects on immunologic function. , 2020, , 1007-1020.		0
474	Gut microbiome, big data and machine learning to promote precision medicine for cancer. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 635-648.	8.2	172
475	Breastmilk Feeding Practices Are Associated with the Co-Occurrence of Bacteria in Mothersâ€™ Milk and the Infant Gut: the CHILd Cohort Study. <i>Cell Host and Microbe</i> , 2020, 28, 285-297.e4.	5.1	148
476	The roles and potential of lentil prebiotic carbohydrates in human and plant health. <i>Plants People Planet</i> , 2020, 2, 310-319.	1.6	32
477	Environmental exposures and child and maternal gut microbiota in rural Malawi. <i>Paediatric and Perinatal Epidemiology</i> , 2020, 34, 161-170.	0.8	11
478	Growth Hormone Deficiency and Excess Alter the Gut Microbiome in Adult Male Mice. <i>Endocrinology</i> , 2020, 161, .	1.4	22
479	Fermentation Products of Commensal Bacteria Alter Enterocyte Lipid Metabolism. <i>Cell Host and Microbe</i> , 2020, 27, 358-375.e7.	5.1	97

#	ARTICLE	IF	CITATIONS
480	Age-Related Differences in the Gut Microbiome of Rhesus Macaques. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1293-1298.	1.7	31
481	Metabolome and microbiome alterations related to short-term feeding of a micronutrient-fortified, high-quality legume protein-based food product to stunted school age children: A randomized controlled pilot trial. <i>Clinical Nutrition</i> , 2020, 39, 3251-3261.	2.3	6
482	Bacteriophages Isolated from Stunted Children Can Regulate Gut Bacterial Communities in an Age-Specific Manner. <i>Cell Host and Microbe</i> , 2020, 27, 199-212.e5.	5.1	85
483	Turning the "Phage" on Malnutrition and Stunting. <i>Cell Host and Microbe</i> , 2020, 27, 159-161.	5.1	3
484	Diet and the Human Gut Microbiome: An International Review. <i>Digestive Diseases and Sciences</i> , 2020, 65, 723-740.	1.1	206
485	Developing infant gut microflora and complementary nutrition. <i>Journal of the Royal Society of New Zealand</i> , 2020, 50, 384-396.	1.0	4
486	Graph-Assisted Inverse Regression for Count Data and Its Application to Sequencing Data. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 444-454.	0.9	3
487	The effect of acute malnutrition on enteric pathogens, moderate-to-severe diarrhoea, and associated mortality in the Global Enteric Multicenter Study cohort: a post-hoc analysis. <i>The Lancet Global Health</i> , 2020, 8, e215-e224.	2.9	43
488	Prenatal dietary supplements influence the infant airway microbiota in a randomized factorial clinical trial. <i>Nature Communications</i> , 2020, 11, 426.	5.8	25
489	Imprinting of the immune system by the microbiota early in life. <i>Mucosal Immunology</i> , 2020, 13, 183-189.	2.7	153
490	The Gut Microbiome in Child Malnutrition. <i>Nestle Nutrition Institute Workshop Series</i> , 2020, 93, 133-144.	1.5	10
491	Fecal dysbiosis in infants with cystic fibrosis is associated with early linear growth failure. <i>Nature Medicine</i> , 2020, 26, 215-221.	15.2	65
492	Development of the Microbiota and Associations With Birth Mode, Diet, and Atopic Disorders in a Longitudinal Analysis of Stool Samples, Collected From Infancy Through Early Childhood. <i>Gastroenterology</i> , 2020, 158, 1584-1596.	0.6	159
493	Commentary: Microbial panaceas: does development have the answer? " reflections on Cowan, Dinan, & Cryan (2020). <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2020, 61, 372-375.	3.1	1
494	Restitution of gut microbiota in Ugandan children administered with probiotics (<i>Lactobacillus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 severe acute malnutrition. <i>Gut Microbes</i> , 2020, 11, 855-867.	4.3	30
495	Environmental and Physiological Barriers to Child Growth and Development. <i>Nestle Nutrition Institute Workshop Series</i> , 2020, 93, 125-132.	1.5	3
496	Integrating the Ecosystem Services Framework to Define Dysbiosis of the Breastfed Infant Gut: The Role of <i>B. infantis</i> and Human Milk Oligosaccharides. <i>Frontiers in Nutrition</i> , 2020, 7, 33.	1.6	39
497	Commensal Bacteria Modulate Immunoglobulin A Binding in Response to Host Nutrition. <i>Cell Host and Microbe</i> , 2020, 27, 909-921.e5.	5.1	57

#	ARTICLE	IF	CITATIONS
498	Vitamin A and iron status of children before and after treatment of uncomplicated severe acute malnutrition. <i>Clinical Nutrition</i> , 2020, 39, 3512-3519.	2.3	22
499	Gut DYSBIOSIS and altered barrier function precedes the appearance of metabolic syndrome in a rat model of nutrient-induced catch-up growth. <i>Journal of Nutritional Biochemistry</i> , 2020, 81, 108383.	1.9	17
500	Immune predictors of oral poliovirus vaccine immunogenicity among infants in South India. <i>Npj Vaccines</i> , 2020, 5, 27.	2.9	3
501	Metabolic maturation in the first 2 years of life in resource-constrained settings and its association with postnatal growth. <i>Science Advances</i> , 2020, 6, eaay5969.	4.7	22
502	A practical guide to amplicon and metagenomic analysis of microbiome data. <i>Protein and Cell</i> , 2021, 12, 315-330.	4.8	376
503	Gut microbiota composition is associated with newborn functional brain connectivity and behavioral temperament. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 472-486.	2.0	59
504	Human gut-derived commensal suppresses generation of T-cell response to gliadin in humanized mice by modulating gut microbiota. <i>Anaerobe</i> , 2021, 68, 102237.	1.0	11
505	Effects of yeast and yeast extract on growth performance, antioxidant ability and intestinal microbiota of juvenile Pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Aquaculture</i> , 2021, 530, 735941.	1.7	31
506	Developmental origins of metabolic diseases. <i>Physiological Reviews</i> , 2021, 101, 739-795.	13.1	150
507	Childhood Development and the Microbiome—The Intestinal Microbiota in Maintenance of Health and Development of Disease During Childhood Development. <i>Gastroenterology</i> , 2021, 160, 495-506.	0.6	84
508	In Utero and Early Life Exposure to the Great Chinese Famine and Risk of Rheumatoid Arthritis in Adulthood. <i>Arthritis and Rheumatology</i> , 2021, 73, 596-603.	2.9	6
509	Age Patterning in Wild Chimpanzee Gut Microbiota Diversity Reveals Differences from Humans in Early Life. <i>Current Biology</i> , 2021, 31, 613-620.e3.	1.8	31
510	Melatonin ameliorates ochratoxin A induced liver inflammation, oxidative stress and mitophagy in mice involving in intestinal microbiota and restoring the intestinal barrier function. <i>Journal of Hazardous Materials</i> , 2021, 407, 124489.	6.5	65
511	Modulating the Gut Microbiota of Humans by Dietary Intervention with Plant Glycans. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	13
512	Prediction of tubular solar still performance by machine learning integrated with Bayesian optimization algorithm. <i>Applied Thermal Engineering</i> , 2021, 184, 116233.	3.0	77
513	Nasopharyngeal Microbiota Profiles in Rural Venezuelan Children Are Associated With Respiratory and Gastrointestinal Infections. <i>Clinical Infectious Diseases</i> , 2021, 72, 212-221.	2.9	16
514	Gut Microbiota and Short-Chain Fatty Acid Profile between Normal and Moderate Malnutrition Children in Yogyakarta, Indonesia. <i>Microorganisms</i> , 2021, 9, 127.	1.6	17
515	The Interface of <i>Vibrio cholerae</i> and the Gut Microbiome. <i>Gut Microbes</i> , 2021, 13, 1937015.	4.3	27

#	ARTICLE	IF	CITATIONS
516	Early Life Microbiotaâ€™ Impact of Delivery Mode and Infant Feeding. , 2022, , 25-38.		1
517	Human milk oligosaccharides, infant growth, and adiposity over the first 4 months of lactation. Pediatric Research, 2021, 90, 684-693.	1.1	23
518	Microbiota control of maternal behavior regulates early postnatal growth of offspring. Science Advances, 2021, 7, .	4.7	13
519	Priming for Life: Early Life Nutrition and the Microbiota-Gut-Brain Axis. Nutrients, 2021, 13, 423.	1.7	83
520	The compositional development of the microbiome in early life. , 2021, , 177-195.		2
521	Bone and the microbiome. , 2021, , 969-988.		0
522	Inbred mouse model of brain development and intestinal microbiota. , 2021, , 545-555.		1
523	Challenges in pediatric post-sepsis care in resource limited settings: a narrative review. Translational Pediatrics, 2021, 10, 2666-2677.	0.5	8
524	Studies of xenobiotic-induced gut microbiota dysbiosis: from correlation to mechanisms. Gut Microbes, 2021, 13, 1921912.	4.3	19
525	Gut microbiota profile of Indonesian stunted children and children with normal nutritional status. PLoS ONE, 2021, 16, e0245399.	1.1	13
526	Bioinformatics for Human Microbiome. , 2021, , 333-350.		2
527	Role of IgA in the early-life establishment of the gut microbiota and immunity: Implications for constructing a healthy start. Gut Microbes, 2021, 13, 1-21.	4.3	17
528	Neonatal intensive care unit (NICU) exposures exert a sustained influence on the progression of gut microbiota and metabolome in the first year of life. Scientific Reports, 2021, 11, 1353.	1.6	11
529	Immunological Impact of Intestinal T Cells on Metabolic Diseases. Frontiers in Immunology, 2021, 12, 639902.	2.2	8
530	Explainable AI reveals changes in skin microbiome composition linked to phenotypic differences. Scientific Reports, 2021, 11, 4565.	1.6	54
531	The amphibian microbiome exhibits poor resilience following pathogen-induced disturbance. ISME Journal, 2021, 15, 1628-1640.	4.4	38
532	The microbiotaâ€™gutâ€™brain axis: A novel nutritional therapeutic target for growth retardation. Critical Reviews in Food Science and Nutrition, 2022, 62, 4867-4892.	5.4	12
533	Metagenomic analysis of the gut microbiome composition associated with vitamin D supplementation in Taiwanese infants. Scientific Reports, 2021, 11, 2856.	1.6	14

#	ARTICLE	IF	CITATIONS
534	Diversity and dynamism of IgA ⁺ microbiota interactions. <i>Nature Reviews Immunology</i> , 2021, 21, 514-525.	10.6	80
535	Adaptation of the small intestine to microbial enteropathogens in Zambian children with stunting. <i>Nature Microbiology</i> , 2021, 6, 445-454.	5.9	34
536	The Development of Early Life Microbiota in Human Health and Disease. <i>Engineering</i> , 2022, 12, 101-114.	3.2	6
537	Microbial and nutritional influence on endocrine control of growth. <i>Journal of Molecular Endocrinology</i> , 2021, 66, R67-R73.	1.1	7
538	Clinical evidence of the role of <i>Methanobrevibacter smithii</i> in severe acute malnutrition. <i>Scientific Reports</i> , 2021, 11, 5426.	1.6	33
539	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
540	The biological activities of postbiotics in gastrointestinal disorders. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 5983-6004.	5.4	33
541	Whipworm-Associated Intestinal Microbiome Members Consistent Across Both Human and Mouse Hosts. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 637570.	1.8	13
542	Gut dysbiosis during early life: causes, health outcomes, and amelioration via dietary intervention. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7199-7221.	5.4	8
544	Association Between the Mode of Delivery and Infant Gut Microbiota Composition Up to 6 Months of Age: A Systematic Literature Review Considering the Role of Breastfeeding. <i>Nutrition Reviews</i> , 2021, 80, 113-127.	2.6	20
545	Breastmilk, Stool, and Meconium: Bacterial Communities in South Africa. <i>Microbial Ecology</i> , 2022, 83, 246-251.	1.4	4
546	A Microbiota-Directed Food Intervention for Undernourished Children. <i>New England Journal of Medicine</i> , 2021, 384, 1517-1528.	13.9	145
547	Modeling Enteropathy or Diarrhea with the Top Bacterial and Protozoal Pathogens: Differential Determinants of Outcomes. <i>ACS Infectious Diseases</i> , 2021, 7, 1020-1031.	1.8	20
548	Strain inheritance and neonatal gut microbiota development: A meta-analysis. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151483.	1.5	31
549	Gut bacterial profile in Indian children of varying nutritional status: a comparative pilot study. <i>European Journal of Nutrition</i> , 2021, 60, 3971-3985.	1.8	6
550	Perspective on Constructing Cellulose-Hydrogel-Based Gut-Like Bioreactors for Growth and Delivery of Multiple-Strain Probiotic Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4946-4959.	2.4	19
551	Human Milk Drives the Intimate Interplay Between Gut Immunity and Adipose Tissue for Healthy Growth. <i>Frontiers in Immunology</i> , 2021, 12, 645415.	2.2	4
552	Accuracy of clinical indicators of the nursing diagnosis of dysfunctional gastrointestinal motility in infants. <i>Journal of Child Health Care</i> , 2021, , 136749352110147.	0.7	0

#	ARTICLE	IF	CITATIONS
553	Modifying gut integrity and microbiome in children with severe acute malnutrition using legume-based feeds (MIMBLE): A pilot trial. <i>Cell Reports Medicine</i> , 2021, 2, 100280.	3.3	14
554	Developmental trajectory of the healthy human gut microbiota during the first 5 years of life. <i>Cell Host and Microbe</i> , 2021, 29, 765-776.e3.	5.1	208
555	Phase change thermal storage: Cooking with more power and versatility. <i>Solar Energy</i> , 2021, 220, 1065-1073.	2.9	11
556	Gut microbiota profiles of young South Indian children: Child sex-specific relations with growth. <i>PLoS ONE</i> , 2021, 16, e0251803.	1.1	6
557	Environmental, Metabolic, and Inflammatory Factors Converge in the Pathogenesis of Moderate Acute Malnutrition in Children: An Observational Cohort Study. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1877-1888.	0.6	13
559	Perinatal exposure to tetracycline contributes to lasting developmental effects on offspring. <i>Animal Microbiome</i> , 2021, 3, 37.	1.5	6
560	Gut microbiome contributions to altered metabolism in a pig model of undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
561	Ochratoxin A: its impact on poultry gut health and microbiota, an overview. <i>Poultry Science</i> , 2021, 100, 101037.	1.5	41
563	Understanding the role of the gut in undernutrition: what can technology tell us?. <i>Gut</i> , 2021, 70, 1580-1594.	6.1	12
564	Maternal fecal microbiome predicts gestational age, birth weight and neonatal growth in rural Zimbabwe.. <i>EBioMedicine</i> , 2021, 68, 103421.	2.7	34
565	Association and Occurrence of Bifidobacterial Phylotypes Between Breast Milk and Fecal Microbiomes in Motherâ€™Infant Dyads During the First 2 Years of Life. <i>Frontiers in Microbiology</i> , 2021, 12, 669442.	1.5	15
566	Role of the Gut Microbiota in Regulating Non-alcoholic Fatty Liver Disease in Children and Adolescents. <i>Frontiers in Nutrition</i> , 2021, 8, 700058.	1.6	33
567	A synbiotic intervention modulates meta-omics signatures of gut redox potential and acidity in elective caesarean born infants. <i>BMC Microbiology</i> , 2021, 21, 191.	1.3	13
568	Analysis of Host Jejunum Transcriptome and Associated Microbial Community Structure Variation in Young Calves with Feed-Induced Acidosis. <i>Metabolites</i> , 2021, 11, 414.	1.3	3
569	The human gut microbiome and health inequities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	82
570	A <i>Listeria monocytogenes</i> clone in human breast milk associated with severe acute malnutrition in West Africa: A multicentric case-controlled study. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009555.	1.3	7
571	Growth faltering regardless of chronic diarrhea is associated with mucosal immune dysfunction and microbial dysbiosis in the gut lumen. <i>Mucosal Immunology</i> , 2021, 14, 1113-1126.	2.7	20
572	Remodeling of the maternal gut microbiome during pregnancy is shaped by parity. <i>Microbiome</i> , 2021, 9, 146.	4.9	36

#	ARTICLE	IF	CITATIONS
573	Artificial Intelligence in Chemistry: Current Trends and Future Directions. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3197-3212.	2.5	80
574	Intestinal Biopsies for the Evaluation of Environmental Enteropathy and Environmental Enteric Dysfunction. <i>Journal of Infectious Diseases</i> , 2021, 224, S856-S863.	1.9	10
575	Intestinal immune compartmentalization: implications of tissue specific determinants in health and disease. <i>Mucosal Immunology</i> , 2021, 14, 1259-1270.	2.7	26
577	Dietary Selection Pressures and Their Impact on the Gut Microbiome. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 7-18.	2.3	32
578	Do Bioactive Food Compound with <i>Avena sativa</i> L., <i>Linum usitatissimum</i> L. and <i>Glycine max</i> L. Supplementation with <i>Moringa oleifera</i> Lam. Have a Role against Nutritional Disorders? An Overview of the In Vitro and In Vivo Evidence. <i>Nutrients</i> , 2021, 13, 2294.	1.7	3
579	Transformation and differential abundance analysis of microbiome data incorporating phylogeny. <i>Bioinformatics</i> , 2021, 37, 4652-4660.	1.8	6
580	Rotavirus vaccines performance: dynamic interdependence of host, pathogen and environment. <i>Expert Review of Vaccines</i> , 2021, 20, 945-957.	2.0	10
581	Methanogenic Community, CH ₄ Production Potential and Its Determinants in the Active Layer and Permafrost Deposits on the Tibetan Plateau. <i>Environmental Science & Technology</i> , 2021, 55, 11412-11423.	4.6	14
582	Topical emollient therapy with sunflower seed oil alters the skin microbiota of young children with severe acute malnutrition in Bangladesh: A randomised, controlled study. <i>Journal of Global Health</i> , 2021, 11, 04047.	1.2	4
583	Nutritional Interventions and the Gut Microbiome in Children. <i>Annual Review of Nutrition</i> , 2021, 41, 479-510.	4.3	18
584	Underdevelopment of the gut microbiota and bacteria species as non-invasive markers of prediction in children with autism spectrum disorder. <i>Gut</i> , 2022, 71, 910-918.	6.1	66
585	Bacterial and Fungal Gut Community Dynamics Over the First 5 Years of Life in Predominantly Rural Communities in Ghana. <i>Frontiers in Microbiology</i> , 2021, 12, 664407.	1.5	9
586	Geographic differences in gut microbiota composition impact susceptibility to enteric infection. <i>Cell Reports</i> , 2021, 36, 109457.	2.9	33
587	Prolonged drought imparts lasting compositional changes to the rice root microbiome. <i>Nature Plants</i> , 2021, 7, 1065-1077.	4.7	111
588	Phages in the infant gut: a framework for virome development during early life. <i>ISME Journal</i> , 2022, 16, 323-330.	4.4	33
589	Malnutrition and Gut Microbiota in Children. <i>Nutrients</i> , 2021, 13, 2727.	1.7	59
590	Microbiomes and Childhood Malnutrition: What Is the Evidence?. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 36-48.	1.0	3
591	Archive for Research in Child Health (ARCH) and Baby Gut: Study Protocol for a Remote, Prospective, Longitudinal Pregnancy and Birth Cohort to Address Microbiota Development and Child Health. <i>Methods and Protocols</i> , 2021, 4, 52.	0.9	6

#	ARTICLE	IF	CITATIONS
592	Deterministic transition of enterotypes shapes the infant gut microbiome at an early age. <i>Genome Biology</i> , 2021, 22, 243.	3.8	65
593	Aquaculture industry prospective from gut microbiome of fish and shellfish: An overview. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2022, 106, 441-469.	1.0	58
594	Breed differences in the expression levels of gga-miR-222a in laying hens influenced H ₂ S production by regulating methionine synthase genes in gut bacteria. <i>Microbiome</i> , 2021, 9, 177.	4.9	7
595	Gut Microbiota Development: Influence of Diet from Infancy to Toddlerhood. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 21-34.	1.0	37
596	Increase in carbohydrate content and variation in microbiome are related to the drought tolerance of <i>Codonopsis pilosula</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 165, 19-35.	2.8	12
599	The Intestinal Dysbiosis of Mothers with Gestational Diabetes Mellitus (GDM) and Its Impact on the Gut Microbiota of Their Newborns. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2021, 2021, 1-12.	0.7	10
600	Age-Related Changes in the Ruminal Microbiota and Their Relationship With Rumen Fermentation in Lambs. <i>Frontiers in Microbiology</i> , 2021, 12, 679135.	1.5	19
601	Danofloxacin Treatment Alters the Diversity and Resistome Profile of Gut Microbiota in Calves. <i>Microorganisms</i> , 2021, 9, 2023.	1.6	8
603	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
604	Building robust assemblages of bacteria in the human gut in early life.. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0144921.	1.4	10
605	Malnutrition and the microbiome as modifiers of early neurodevelopment. <i>Trends in Neurosciences</i> , 2021, 44, 753-764.	4.2	18
606	Infants with cystic fibrosis have altered fecal functional capacities with potential clinical and metabolic consequences. <i>BMC Microbiology</i> , 2021, 21, 247.	1.3	6
607	A study into the effect of <i>Lactobacillus casei</i> Shirota in preventing antibiotic associated diarrhoea including <i>Clostridioides difficile</i> infection in patients with spinal cord injuries: a multicentre randomised, double-blind, placebo-controlled trial. <i>EClinicalMedicine</i> , 2021, 40, 101098.	3.2	4
608	Reframing anorexia nervosa as a metabo-psychiatric disorder. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 752-761.	3.1	28
609	Impact of different types of anthropogenic pollution on bacterial community and metabolic genes in urban river sediments. <i>Science of the Total Environment</i> , 2021, 793, 148475.	3.9	21
610	The digestive and reproductive tract microbiotas and their association with body weight in laying hens. <i>Poultry Science</i> , 2021, 100, 101422.	1.5	11
611	Intrauterine antibiotic exposure affected neonatal gut bacteria and infant growth speed. <i>Environmental Pollution</i> , 2021, 289, 117901.	3.7	12
612	Microbiota-Brain-Gut Axis and Neurodegenerative Disorders. , 2022, , 412-422.		1

#	ARTICLE	IF	CITATIONS
613	A systematic review of the factors influencing microbial colonization of the preterm infant gut. <i>Gut Microbes</i> , 2021, 13, 1-33.	4.3	38
614	The gut microbiome in neurodegenerative disorders. , 2021, , 101-121.		0
615	Bile Acid Profiling Reveals Distinct Signatures in Undernourished Children with Environmental Enteric Dysfunction. <i>Journal of Nutrition</i> , 2021, 151, 3689-3700.	1.3	13
616	Probiotic Supplementation for Promotion of Growth in Children: A Systematic Review and Meta-Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
617	Impacts of Amino Acids on the Intestinal Defensive System. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1265, 133-151.	0.8	16
618	and Diarrheal Disease and Enteric Pathogens. , 2021, , 219-241.		6
619	Infant respiratory syncytial virus prophylaxis and nasopharyngeal microbiota until 6 years of life: a subanalysis of the MAKI randomised controlled trial. <i>Lancet Respiratory Medicine</i> , the, 2020, 8, 1022-1031.	5.2	19
620	Ongoing Supplementation of Probiotics to Cesarean-Born Neonates during the First Month of Life may Impact the Gut Microbial. <i>American Journal of Perinatology</i> , 2021, 38, 1181-1191.	0.6	10
621	Gut microbiota and aging. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 3509-3534.	5.4	53
622	The role of nutrition in pediatric oncology. <i>Expert Review of Anticancer Therapy</i> , 2020, 20, 109-116.	1.1	17
623	Infections and systemic inflammation are associated with lower plasma concentration of insulin-like growth factor I among Malawian children. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 380-390.	2.2	7
624	The importance of the microbiome in pediatrics and pediatric infectious diseases. <i>Current Opinion in Pediatrics</i> , 2018, 30, 117-124.	1.0	45
625	Metagenomic approaches in microbial ecology: an update on whole-genome and marker gene sequencing analyses. <i>Microbial Genomics</i> , 2020, 6, .	1.0	69
633	Diarrhoeal children with concurrent severe wasting and stunting compared to severe wasting or severe stunting. <i>Tropical Medicine and International Health</i> , 2020, 25, 928-935.	1.0	4
634	Neonatal Mouse Gut Metabolites Influence <i>Cryptosporidium parvum</i> Infection in Intestinal Epithelial Cells. <i>MBio</i> , 2020, 11, .	1.8	19
635	Interactions between gut microbiota and skeletal muscle. <i>Nutrition and Metabolic Insights</i> , 2020, 13, 117863882098049.	0.8	23
636	Compositional shifts in root-associated bacterial and archaeal microbiota track the plant life cycle in field-grown rice. <i>PLoS Biology</i> , 2018, 16, e2003862.	2.6	340
637	Gut Microbiota in Children Hospitalized with Oedematous and Non-Oedematous Severe Acute Malnutrition in Uganda. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004369.	1.3	40

#	ARTICLE	IF	CITATIONS
638	Gut Microbiome Developmental Patterns in Early Life of Preterm Infants: Impacts of Feeding and Gender. PLoS ONE, 2016, 11, e0152751.	1.1	184
639	Impaired Bile Acid Homeostasis in Children with Severe Acute Malnutrition. PLoS ONE, 2016, 11, e0155143.	1.1	20
640	Arsenic exposure and intestinal microbiota in children from Sirajdikhan, Bangladesh. PLoS ONE, 2017, 12, e0188487.	1.1	41
642	q2-sample-classifier: machine-learning tools for microbiome classification and regression. Journal of Open Source Software, 2018, 3, 934.	2.0	116
643	The Human Microbiome: An Emerging Key Player in Health and Disease. Archives of Clinical and Biomedical Research, 2017, 01, 85-95.	0.1	2
644	Opportunities to assess factors contributing to the development of the intestinal microbiota in infants living in developing countries. Microbial Ecology in Health and Disease, 2015, 26, 28316.	3.8	15
645	Environmental Enteric Dysfunction: A Case Definition for Intervention Trials. American Journal of Tropical Medicine and Hygiene, 2017, 97, 1643-1646.	0.6	26
646	Stunting Is Preceded by Intestinal Mucosal Damage and Microbiome Changes and Is Associated with Systemic Inflammation in a Cohort of Peruvian Infants. American Journal of Tropical Medicine and Hygiene, 2019, 101, 1009-1017.	0.6	26
647	A Retrospective Caseâ€“Control Study of the Relationship between the Gut Microbiota, Enteropathy, and Child Growth. American Journal of Tropical Medicine and Hygiene, 2020, 103, 520-527.	0.6	14
648	OUP accepted manuscript. Clinical Infectious Diseases, 2021, 73, S382-S389.	2.9	2
649	Vitamin B-12 and the Gastrointestinal Microbiome: A Systematic Review. Advances in Nutrition, 2022, 13, 530-558.	2.9	20
650	Gut microbiome, enteric infections and child growth across a ruralâ€“urban gradient: protocol for the ECoMiD prospective cohort study. BMJ Open, 2021, 11, e046241.	0.8	7
651	Nurturing the Early Life Gut Microbiome and Immune Maturation for Long Term Health. Microorganisms, 2021, 9, 2110.	1.6	34
652	Hallmarks of the human intestinal microbiome on liver maturation and function. Journal of Hepatology, 2022, 76, 694-725.	1.8	12
653	Shaping the gut microbiota by bioactive phytochemicals: An emerging approach for the prevention and treatment of human diseases. Biochimie, 2022, 193, 38-63.	1.3	18
654	Micronutrient Content and Total Lactic Acid Bacteria of Dadiyah Pudding as Food Supplementation for Pregnant Women. Open Access Macedonian Journal of Medical Sciences, 2020, 9, 1149-1155.	0.1	1
655	Traditional Farming Lifestyle in Old Older Mennonites Modulates Human Milk Composition. Frontiers in Immunology, 2021, 12, 741513.	2.2	9
656	Malnutrition in children mars gut microbiome. Nature, 0, , .	13.7	0

#	ARTICLE	IF	CITATIONS
658	Handing on Health to the Next Generation. , 2016, , 213-264.		0
659	Early Microbe Contact in Defining Child Metabolic Health and Obesity Risk. , 2016, , 369-389.		1
660	Impact of Early-Life Antibiotic Use on Gut Microbiota of Infants. Journal of Microbial & Biochemical Technology, 2017, 9, .	0.2	3
662	Moms, babies, and bugs in immune development. F1000Research, 0, 6, 2141.	0.8	0
668	Diet and Kwashiorkor in the Democratic Republic of Congo. , 2019, , 2245-2262.		0
677	Microbiota from Specific Pathogen-Free Mice Reduces Campylobacter jejuni Chicken Colonization. Pathogens, 2021, 10, 1387.	1.2	0
678	Microbial community networks across body sites are associated with susceptibility to respiratory infections in infants. Communications Biology, 2021, 4, 1233.	2.0	12
679	The Microbiota-Gut-Liver Axis: Implications for the Pathophysiology of Liver Disease. , 2020, , 125-137.		0
680	Gut Bacterial Diversity and Growth among Preschool Children in Burkina Faso. American Journal of Tropical Medicine and Hygiene, 2020, 103, 2568-2573.	0.6	2
681	Bacterial Infections and : A Primer. , 2021, , 113-131.		4
684	The Microbiome in Liver Diseases. , 2020, , 205-210.		0
685	Interactions between fecal gut microbiome, enteric pathogens, and energy regulating hormones among acutely malnourished rural Gambian children. EBioMedicine, 2021, 73, 103644.	2.7	12
686	Shrimp AHPND Causing Vibrio anguillarum Infection: Quantitative Diagnosis and Identifying Antagonistic Bacteria. Marine Biotechnology, 2021, 23, 964-975.	1.1	12
690	The Gut Microbiota: A Promising Target in the Relation between Complementary Feeding and Child Undernutrition. Advances in Nutrition, 2021, 12, 969-979.	2.9	6
692	<i>Bacteroidota</i> and <i>Lachnospiraceae</i> integration into the gut microbiome at key time points in early life are linked to infant neurodevelopment. Gut Microbes, 2021, 13, 1997560.	4.3	39
693	Electroacupuncture modulates the intestinal microecology to improve intestinal motility in spinal cord injury rats. Microbial Biotechnology, 2022, 15, 862-873.	2.0	12
694	Infant gut bacterial community composition and foodâ€related manifestation of atopy in early childhood. Pediatric Allergy and Immunology, 2022, 33, .	1.1	13
695	Composition of Eukaryotic Viruses and Bacteriophages in Individuals with Acute Gastroenteritis. Viruses, 2021, 13, 2365.	1.5	6

#	ARTICLE	IF	CITATIONS
696	Participatory Microbiome Research With Hmong and Karen Communities: Lessons Learned. <i>Journal of Participatory Research Methods</i> , 2021, 2, .	0.2	1
697	Micronutrient supplements can promote disruptive protozoan and fungal communities in the developing infant gut. <i>Nature Communications</i> , 2021, 12, 6729.	5.8	17
698	Cross-feeding between intestinal pathobionts promotes their overgrowth during undernutrition. <i>Nature Communications</i> , 2021, 12, 6860.	5.8	17
699	Emodin Improves Intestinal Health and Immunity through Modulation of Gut Microbiota in Mice Infected by Pathogenic <i>Escherichia coli</i> O1. <i>Animals</i> , 2021, 11, 3314.	1.0	6
700	A dysbiotic gut microbiome suppresses antibody mediated-protection against <i>Vibrio cholerae</i> . <i>IScience</i> , 2021, 24, 103443.	1.9	2
701	Environmental pollutant exposure associated with altered early-life gut microbiome: Results from a birth cohort study. <i>Environmental Research</i> , 2022, 205, 112545.	3.7	16
703	Robust host source tracking building on the divergent and non-stochastic assembly of gut microbiomes in wild and farmed large yellow croaker. <i>Microbiome</i> , 2022, 10, 18.	4.9	9
704	The Mediating Role of the Gut Microbiota in the Physical Growth of Children. <i>Life</i> , 2022, 12, 152.	1.1	8
705	Dietary intervention of prebiotics and vitamins on gut health of children. <i>Nutrition and Food Science</i> , 2022, ahead-of-print, .	0.4	1
706	Genomic structure predicts metabolite dynamics in microbial communities. <i>Cell</i> , 2022, 185, 530-546.e25.	13.5	60
707	Associations between Gut Microbiota and Intestinal Inflammation, Permeability and Damage in Young Malawian Children. <i>Journal of Tropical Pediatrics</i> , 2022, 68, .	0.7	5
708	Cell-Free Paper-Based Analysis of Gut Microbiota and Host Biomarkers. <i>Methods in Molecular Biology</i> , 2022, 2433, 351-374.	0.4	2
709	Twenty Important Research Questions in Microbial Exposure and Social Equity. <i>MSystems</i> , 2022, 7, e0124021.	1.7	14
710	Toll-Like Receptor-Induced Immune Responses During Early Childhood and Their Associations With Clinical Outcomes Following Acute Illness Among Infants in Sub-Saharan Africa. <i>Frontiers in Immunology</i> , 2021, 12, 748996.	2.2	4
711	Biology of human milk oligosaccharides: From basic science to clinical evidence. <i>Journal of Human Nutrition and Dietetics</i> , 2022, 35, 280-299.	1.3	25
713	Inner Workings: Can feeding the gut microbiome treat malnutrition?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2120478118.	3.3	0
714	The Gut Microbiome. , 2022, , .		0
715	The Gut Microbiota and Host Metabolism. , 2022, , 141-175.		2

#	ARTICLE	IF	CITATIONS
716	Water Treatment and Child Mortality: A Meta-analysis and Cost-effectiveness Analysis. SSRN Electronic Journal, 0, , .	0.4	1
717	Intestinal microbiota research from a global perspective. Gastroenterology Report, 2022, 10, goac010.	0.6	13
718	Effects of early-life antibiotics on the developing infant gut microbiome and resistome: a randomized trial. Nature Communications, 2022, 13, 893.	5.8	95
719	Gut Dysbiosis in Pancreatic Diseases: A Causative Factor and a Novel Therapeutic Target. Frontiers in Nutrition, 2022, 9, 814269.	1.6	14
720	Altered Gut Microbiome and Fecal Immune Phenotype in Early Preterm Infants With Leaky Gut. Frontiers in Immunology, 2022, 13, 815046.	2.2	10
722	Temporal and Spatial Changes in the Microbiome Following Pediatric Severe Traumatic Brain Injury. Pediatric Critical Care Medicine, 2022, 23, 425-434.	0.2	8
723	Roles of Microbiota in Cancer: From Tumor Development to Treatment. Journal of Oncology, 2022, 2022, 1-15.	0.6	8
724	Nonalcoholic Fatty Liver Disease and the Gut-Liver Axis: Exploring an Undernutrition Perspective. Gastroenterology, 2022, 162, 1858-1875.e2.	0.6	45
725	Exposure to Chinese Famine during Early Life Increases the Risk of Fracture during Adulthood. Nutrients, 2022, 14, 1060.	1.7	4
726	Gut Microbiota Modulation of Moderate Undernutrition in Infants through Gummy Lactobacillus plantarum Dad-13 Consumption: A Randomized Double-Blind Controlled Trial. Nutrients, 2022, 14, 1049.	1.7	10
727	Optimising the management of acute malnutrition. The Lancet Global Health, 2022, 10, e453-e454.	2.9	3
728	In vitro fermentation of human milk oligosaccharides by individual Bifidobacterium longum-dominant infant fecal inocula. Carbohydrate Polymers, 2022, 287, 119322.	5.1	18
729	Nutritional Therapies and Their Influence on the Intestinal Microbiome in Pediatric Inflammatory Bowel Disease. Nutrients, 2022, 14, 4.	1.7	13
730	Impact of maternal antibodies and microbiota development on the immunogenicity of oral rotavirus vaccine in African, Indian, and European infants. Nature Communications, 2021, 12, 7288.	5.8	26
731	Probiotic Supplementation for Promotion of Growth in Children: A Systematic Review and Meta-Analysis. Nutrients, 2022, 14, 83.	1.7	5
732	Short- and long-term effects of amoxicillin/clavulanic acid or doxycycline on the gastrointestinal microbiome of growing cats. PLoS ONE, 2021, 16, e0253031.	1.1	11
733	Deviated and early unsustainable stunted development of gut microbiota in children with autism spectrum disorder. Gut, 2021, , gutjnl-2021-325115.	6.1	21
734	Diarrhea, Dysbiosis, Dysfunction, and the Disastrous Global Health Consequences: Piecing the Puzzle Together. American Journal of Gastroenterology, 2022, 117, 98-99.	0.2	0

#	ARTICLE	IF	CITATIONS
735	Donor age and body weight determine the effects of fecal microbiota transplantation on growth performance, and fecal microbiota development in recipient pigs. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 49.	2.1	7
736	<i>Bifidobacterium infantis</i> treatment promotes weight gain in Bangladeshi infants with severe acute malnutrition. <i>Science Translational Medicine</i> , 2022, 14, eabk1107.	5.8	61
737	Early-life gut microbiota and attention deficit hyperactivity disorder in preadolescents. <i>Pediatric Research</i> , 2023, 93, 2051-2060.	1.1	5
738	Sea Cucumber Body Vesicular Syndrome Is Driven by the Pond Water Microbiome via an Altered Gut Microbiota. <i>MSystems</i> , 2022, 7, e0135721.	1.7	6
739	Development of Early-Life Gastrointestinal Microbiota in the Presence of Antibiotics Alters the Severity of Acute DSS-Induced Colitis in Mice. <i>Microbiology Spectrum</i> , 2022, , e0269221.	1.2	4
805	A meta-analysis study of the robustness and universality of gut microbiota-shrimp diseases relationship. <i>Environmental Microbiology</i> , 2022, 24, 3924-3938.	1.8	12
807	Disordered development of gut microbiome interferes with the establishment of the gut ecosystem during early childhood with atopic dermatitis. <i>Gut Microbes</i> , 2022, 14, 2068366.	4.3	20
808	Rotaviruses: From Pathogenesis to Disease Control—A Critical Review. <i>Viruses</i> , 2022, 14, 875.	1.5	33
809	Association Between Trajectory Patterns of Body Mass Index Change Up to 10 Months and Early Gut Microbiota in Preterm Infants. <i>Frontiers in Microbiology</i> , 2022, 13, 828275.	1.5	4
810	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. <i>Cell Reports</i> , 2022, 39, 110738.	2.9	13
811	Gut microbiome development and childhood undernutrition. <i>Cell Host and Microbe</i> , 2022, 30, 617-626.	5.1	9
812	Iron Supplementation at the Crossroads of Nutrition and Gut Microbiota: The State of the Art. <i>Nutrients</i> , 2022, 14, 1926.	1.7	12
813	Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies. <i>Frontiers in Immunology</i> , 2022, 13, 826268.	2.2	12
814	High prevalence of small intestine bacteria overgrowth and asymptomatic carriage of enteric pathogens in stunted children in Antananarivo, Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0009849.	1.3	20
815	The developing infant gut microbiome: A strain-level view. <i>Cell Host and Microbe</i> , 2022, 30, 627-638.	5.1	29
816	Gut microbiota in various childhood disorders: Implication and indications. <i>World Journal of Gastroenterology</i> , 2022, 28, 1875-1901.	1.4	31
817	Cessation of exclusive breastfeeding and seasonality, but not small intestinal bacterial overgrowth, are associated with environmental enteric dysfunction: A birth cohort study amongst infants in rural Kenya. <i>EclinicalMedicine</i> , 2022, 47, 101403.	3.2	3
818	The pediatric virome in health and disease. <i>Cell Host and Microbe</i> , 2022, 30, 639-649.	5.1	9

#	ARTICLE	IF	CITATIONS
819	Development and the Art of Nutritional Maintenance. <i>British Journal of Nutrition</i> , 2022, , 1-24.	1.2	0
820	A review of normalization and differential abundance methods for microbiome counts data. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2023, 15, .	2.1	15
821	Excess Growth Hormone Alters the Male Mouse Gut Microbiome in an Age-dependent Manner. <i>Endocrinology</i> , 2022, 163, .	1.4	4
822	Pathologic Inflammation in Malnutrition Is Driven by Proinflammatory Intestinal Microbiota, Large Intestine Barrier Dysfunction, and Translocation of Bacterial Lipopolysaccharide. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	15
823	Predictors of time to recovery and non-response during outpatient treatment of severe acute malnutrition. <i>PLoS ONE</i> , 2022, 17, e0267538.	1.1	1
824	The Role of Early Life Microbiota Composition in the Development of Allergic Diseases. <i>Microorganisms</i> , 2022, 10, 1190.	1.6	5
825	The balance between protective and pathogenic immune responses to pneumonia in the neonatal lung is enforced by gut microbiota. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	17
826	Microbiome as an immune regulator in health, disease, and therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2022, 188, 114400.	6.6	11
827	Temporal Alignment of Longitudinal Microbiome Data. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
828	Effects of Inulin-Based Prebiotics Alone or in Combination with Probiotics on Human Gut Microbiota and Markers of Immune System: A Randomized, Double-Blind, Placebo-Controlled Study in Healthy Subjects. <i>Microorganisms</i> , 2022, 10, 1256.	1.6	11
829	Dysbiosis in Children With Neurological Impairment and Long-Term Enteral Nutrition. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	5
830	The gut virome: A new microbiome component in health and disease. <i>EBioMedicine</i> , 2022, 81, 104113.	2.7	93
831	Intersections of the microbiome and early neurodevelopment. <i>International Review of Neurobiology</i> , 2022, , .	0.9	2
832	Association of human milk oligosaccharides and nutritional status of young infants among Bangladeshi motherâ€™infant dyads. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
833	Microbiota succession throughout life from the cradle to the grave. <i>Nature Reviews Microbiology</i> , 2022, 20, 707-720.	13.6	66
834	Asthma and Wheeze Severity and the Oropharyngeal Microbiota in Children and Adolescents. <i>Annals of the American Thoracic Society</i> , 0, , .	1.5	7
835	Prophylactic Treatment of Undernourished Mice with Cotrimoxazole Induces a Different Profile of Dysbiosis with Functional Metabolic Alterations. <i>Cells</i> , 2022, 11, 2278.	1.8	2
836	Association between intestinal bacterial carriage, biomarkers of environmental enteric dysfunction, and stunting in rural Malawian children. <i>Gates Open Research</i> , 0, 6, 78.	2.0	1

#	ARTICLE	IF	CITATIONS
837	Commentary: Mechanisms of kwashiorkor-associated immune suppression: Insights from human, mouse, and pig studies. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
838	Antibiotic-Induced Primary Biles Inhibit SARS-CoV-2 Endoribonuclease Nsp15 Activity in Mouse Gut. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	4
839	The succession of fecal bacterial community and its correlation with the changes of serum immune indicators in lambs from birth to 4 months. <i>Journal of Integrative Agriculture</i> , 2023, 22, 537-550.	1.7	3
840	Atypical behavioral and thermoregulatory circadian rhythms in mice lacking a microbiome. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
841	Association of histoâ€ blood group antigens and predisposition to gastrointestinal diseases. <i>Journal of Medical Virology</i> , 0, , .	2.5	3
842	Dynamic change of fungal community in the gastrointestinal tract of growing lambs1. <i>Journal of Integrative Agriculture</i> , 2022, , .	1.7	3
844	Individual Nutrition Is Associated with Altered Gut Microbiome Composition for Adults with Food Insecurity. <i>Nutrients</i> , 2022, 14, 3407.	1.7	5
845	Atmospheric methane oxidation is affected by grassland type and grazing and negatively correlated to total soil respiration in arid and semiarid grasslands in Inner Mongolia. <i>Soil Biology and Biochemistry</i> , 2022, 173, 108787.	4.2	6
846	An Alternative Oatâ€ Containing, Ready-To-Use, Therapeutic Food Does Not Alter Intestinal Permeability or the 16S Ribosomal RNA Fecal Microbiome Configuration Among Children With Severe Malnutrition in Sierra Leone: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2022, 152, 2744-2753.	1.3	4
847	Human gut microbiota in health and disease: Unveiling the relationship. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	70
848	Microbiome-gut-brain axis in brain development, cognition and behavior during infancy and early childhood. <i>Developmental Review</i> , 2022, 66, 101038.	2.6	7
849	Pediatric Global Nutrition. , 2020, , .		0
850	Gut microbiome dysbiosis in malnutrition. <i>Progress in Molecular Biology and Translational Science</i> , 2022, , 205-229.	0.9	5
851	Bayesian Hierarchical Compositional Models for Analysing Longitudinal Abundance Data from Microbiome Studies. <i>Complexity</i> , 2022, 2022, 1-16.	0.9	1
852	Gut Microbiota Composition in Undernourished Children Associated with Diet and Sociodemographic Factors: A Caseâ€ Control Study in Indonesia. <i>Microorganisms</i> , 2022, 10, 1748.	1.6	6
853	A Scoping Review: Urinary Markers of Metabolic Maturation in Preterm Infants and Future Interventions to Improve Growth. <i>Nutrients</i> , 2022, 14, 3957.	1.7	1
854	Evolution of the Gut Microbiome in HIV-Exposed Uninfected and Unexposed Infants during the First Year of Life. <i>MBio</i> , 2022, 13, .	1.8	9
855	Dynamics of the Gut Microbiome in <i>Shigella</i> -Infected Children during the First Two Years of Life. <i>MSystems</i> , 2022, 7, .	1.7	5

#	ARTICLE	IF	CITATIONS
856	Feature screening of ultrahigh dimensional longitudinal data based on the Céstastic. Statistical Analysis and Data Mining, 0, , .	1.4	0
857	Draft genomes and descriptions of <i>Urmitella timonensis</i> gen. nov., sp. nov. and <i>Marasmitruncus massiliensis</i> gen. nov., sp. nov., isolated from severely malnourished African children using culturomics. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 1349-1361.	0.7	1
858	Gut microbiome and breast-feeding: Implications for early immune development. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 523-534.	1.5	26
860	Machine Learning in Nutrition Research. <i>Advances in Nutrition</i> , 2022, 13, 2573-2589.	2.9	24
861	Thymus, undernutrition, and infection: Approaching cellular and molecular interactions. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	9
862	Impact of helminthémicrobiome interactions on childhood health and developmentéA clinical perspective. <i>Parasite Immunology</i> , 2023, 45, .	0.7	3
863	Human Milk Oligosaccharide Utilization in Intestinal Bifidobacteria Is Governed by Global Transcriptional Regulator NagR. <i>MSystems</i> , 2022, 7, .	1.7	6
864	Malnourishment affects gene expression along the length of the small intestine. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	1
865	Dietary fiber and probiotics based on gut microbiota targeting for functional constipation in children with cerebral palsy. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	3
866	Stunted children display ectopic small intestinal colonization by oral bacteria, which cause lipid malabsorption in experimental models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
867	MicrobeéHost Metabolic Interaction: Probiotic Approach. , 2022, , 201-230.		0
868	Identification of Human Gut Microbiome Associated with Enterolignan Production. <i>Microorganisms</i> , 2022, 10, 2169.	1.6	0
869	Enterotoxin tilimycin from gut-resident <i>Klebsiella</i> promotes mutational evolution and antibiotic resistance in mice. <i>Nature Microbiology</i> , 2022, 7, 1834-1848.	5.9	11
870	Nutritional modulation of the gut microbiome in allogeneic hematopoietic stem cell transplantation recipients. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	17
871	Measuring food insecurity: An introduction to tools for human biologists and ecologists. <i>American Journal of Human Biology</i> , 2023, 35, .	0.8	4
872	A distinct clade of <i>Bifidobacterium longum</i> in the gut of Bangladeshi children thrives during weaning. <i>Cell</i> , 2022, 185, 4280-4297.e12.	13.5	26
873	Alternation of the gut microbiota in metabolically healthy obesity: An integrated multiomics analysis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	4
874	The role of gut microbiota and its metabolites short-chain fatty acids in food allergy. <i>Food Science and Human Wellness</i> , 2023, 12, 702-710.	2.2	10

#	ARTICLE	IF	CITATIONS
875	Correlations between gastrointestinal and oral microbiota in children with cerebral palsy and epilepsy. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	5
876	Antibiotic use and resistance in children with severe acute malnutrition and human immunodeficiency virus infection. <i>International Journal of Antimicrobial Agents</i> , 2023, 61, 106690.	1.1	2
877	Proof of principle study replicating microbial clusters in connection to birth mode and diet in the early life intestine. <i>PLoS ONE</i> , 2022, 17, e0277502.	1.1	1
878	Mode of delivery modulates the intestinal microbiota and impacts the response to vaccination. <i>Nature Communications</i> , 2022, 13, .	5.8	9
879	Identification of key bacterial taxa and metabolic pathways affecting gut organic acid profiles in early life. <i>Japanese Journal of Lactic Acid Bacteria</i> , 2021, 32, 107-118.	0.1	0
880	Potential Biotics for Nutritional Improvement of Health via Microbiome-Gut-Brain Axis. , 2022, 2022, 1-16.		4
881	Underdevelopment of gut microbiota in failure to thrive infants of up to 12 months of age. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	1
883	Gut Microbiome among Children with Uncomplicated Severe Acute Malnutrition in a Randomized Controlled Trial of Azithromycin versus Amoxicillin. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, , .	0.6	1
884	<i>Lactobacillus reuteri</i> improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission. <i>Microbiome</i> , 2022, 10, .	4.9	14
885	Metagenomic analysis of the interaction between the gut microbiota and colorectal cancer: a paired-sample study based on the GMrepo database. <i>Gut Pathogens</i> , 2022, 14, .	1.6	2
886	Microbiome-based solutions to address new and existing threats to food security, nutrition, health and agrifood systems' sustainability. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	3
887	Oral administration of hepcidin and chitosan benefits growth, immunity, and gut microbiota in grass carp (<i>Ctenopharyngodon idella</i>). <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
888	Gut Microbes and Circulating Cytokines in Preterm Infants with Growth Failure. <i>Journal of Nutrition</i> , 2023, 153, 120-130.	1.3	3
890	Environmental enteric dysfunction: gut and microbiota adaptation in pregnancy and infancy. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2023, 20, 223-237.	8.2	10
891	Soil biodiversity supports the delivery of multiple ecosystem functions in urban greenspaces. <i>Nature Ecology and Evolution</i> , 2023, 7, 113-126.	3.4	35
892	Gut Microbiota and Eating Disorders on the Extremes of Aging. <i>Healthy Ageing and Longevity</i> , 2023, , 99-127.	0.2	0
893	The "Whey"™ to good health: Whey protein and its beneficial effect on metabolism, gut microbiota and mental health. <i>Trends in Food Science and Technology</i> , 2023, 133, 1-14.	7.8	14
894	Environmental and genetic associations with aberrant early-life gut microbial maturation in childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 151, 1494-1502.e14.	1.5	6

#	ARTICLE	IF	CITATIONS
895	Dynamic changes in intestinal microbiota and metabolite composition of pre-weaned beef calves. <i>Microbial Pathogenesis</i> , 2023, 175, 105991.	1.3	2
896	Child Health, Agriculture and Integrated Nutrition (CHAIN): protocol for a randomised controlled trial of improved infant and young child feeding in rural Zimbabwe. <i>BMJ Open</i> , 2022, 12, e056435.	0.8	2
897	Mitigating Infectious morbidity and Growth deficits in HIV-exposed uninfected infants with human Milk Oligosaccharide (MIGHT MO): a randomised trial protocol. <i>BMJ Open</i> , 2022, 12, e069116.	0.8	2
898	Diagnosis and functional prediction of microbial markers in tumor tissues of sporadic colorectal cancer patients associated with the MLH1 protein phenotype. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
900	Dietary tryptophan deficiency promotes gut ROR γ ³ ⁺ Treg cells at the expense of Gata3 ⁺ Treg cells and alters commensal microbiota metabolism. <i>Cell Reports</i> , 2023, 42, 112135.	2.9	9
902	Rhizosphere microbes influence wogonoside accumulation in perennial <i>Scutellaria baicalensis</i> . <i>Pedosphere</i> , 2023, , .	2.1	0
903	Structure–function analysis of <i>Lactiplantibacillus plantarum</i> DltE reveals D-alanylated lipoteichoic acids as direct cues supporting <i>Drosophila</i> juvenile growth. <i>ELife</i> , 0, 12, .	2.8	5
904	Impact of Intestinal Microbiota on Growth Performance of Suckling and Weaned Piglets. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	3
905	Parasites and childhood stunting – a mechanistic interplay with nutrition, anaemia, gut health, microbiota, and epigenetics. <i>Trends in Parasitology</i> , 2023, 39, 167-180.	1.5	2
906	Effects of probiotic and synbiotic supplementation on ponderal and linear growth in severely malnourished young infants in a randomized clinical trial. <i>Scientific Reports</i> , 2023, 13, .	1.6	9
907	The gut microbiome and early-life growth in a population with high prevalence of stunting. <i>Nature Communications</i> , 2023, 14, .	5.8	13
908	The emerging role of nutritional support in the supportive care of pediatric patients undergoing hematopoietic stem cell transplantation. <i>Frontiers in Nutrition</i> , 0, 10, .	1.6	4
909	The Human Gut Virome and Its Relationship with Nontransmissible Chronic Diseases. <i>Nutrients</i> , 2023, 15, 977.	1.7	3
910	Effects of feeding <i>Saccharomyces cerevisiae</i> fermentation postbiotic on the fecal microbial community of Holstein dairy calves. <i>Animal Microbiome</i> , 2023, 5, .	1.5	0
911	Targeting the gut-lung axis by synbiotic feeding to infants in a randomized controlled trial. <i>BMC Biology</i> , 2023, 21, .	1.7	5
912	Grand challenges: Actualizing the potential of the gut microbiome to address global nutrition challenges. , 0, 2, .		0
913	Longitudinal Analysis of the Intestinal Microbiota among a Cohort of Children in Rural and Urban Areas of Pakistan. <i>Nutrients</i> , 2023, 15, 1213.	1.7	0
914	Gut Microbiota: A Future Clinical Magic Bullet to Manifest Pathogenic Disease in the Current Future. <i>Journal of Pure and Applied Microbiology</i> , 2023, 17, 51-68.	0.3	0

#	ARTICLE	IF	CITATIONS
915	Milk glycan metabolism by intestinal bifidobacteria: insights from comparative genomics. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2022, 57, 562-584.	2.3	1
916	Tumor bacterial markers diagnose the initiation and four stages of colorectal cancer. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	3
917	A systematic review of associations between gut microbiota composition and growth failure in preterm neonates. <i>Gut Microbes</i> , 2023, 15, .	4.3	1
918	Inflammation and malnutrition in inflammatory bowel disease. <i>The Lancet Gastroenterology and Hepatology</i> , 2023, 8, 579-590.	3.7	50
919	Microbiota and growth among infants and children in low-income and middle-income settings. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2023, 26, 245-252.	1.3	1
920	A symbiotic physical niche in <i>Drosophila melanogaster</i> regulates stable association of a multi-species gut microbiota. <i>Nature Communications</i> , 2023, 14, .	5.8	15
921	Microbial metabolites as modulators of the infant gut microbiome and host-microbial interactions in early life. <i>Gut Microbes</i> , 2023, 15, .	4.3	14
922	The Effect of In Utero Exposure to Maternal Inflammatory Bowel Disease and Immunomodulators on Infant Immune System Development and Function. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2023, 16, 165-181.	2.3	0
923	ApoE Mimetic Peptides to Improve the Vicious Cycle of Malnutrition and Enteric Infections by Targeting the Intestinal and Blood-Brain Barriers. <i>Pharmaceutics</i> , 2023, 15, 1086.	2.0	0
924	Recognition Engineering-Mediated Multichannel Sensor Array for Gut Microbiota Sensing. <i>Analytical Chemistry</i> , 2023, 95, 5911-5919.	3.2	7
925	Inflammation: the driver of poor outcomes among children with severe acute malnutrition?. <i>Nutrition Reviews</i> , 2023, 81, 1636-1652.	2.6	3
926	Translating neonatal microbiome science into commercial innovation: metabolism of human milk oligosaccharides as a basis for probiotic efficacy in breast-fed infants. <i>Gut Microbes</i> , 2023, 15, .	4.3	8
927	<i>Ruminococcus gnavus</i> : friend or foe for human health. <i>FEMS Microbiology Reviews</i> , 2023, 47, .	3.9	32
928	Forging the microbiome to help us live long and prosper. <i>PLoS Biology</i> , 2023, 21, e3002087.	2.6	1
929	Achieving high yield and nitrogen agronomic efficiency by coupling wheat varieties with soil fertility. <i>Science of the Total Environment</i> , 2023, 881, 163531.	3.9	4
930	Do probiotics have a role in treatment of diarrhea among children with severe acute malnutrition?. <i>American Journal of Clinical Nutrition</i> , 2023, 117, 842-843.	2.2	0
936	Metabolism of Dietary Substrates by Intestinal Bacteria and Consequences for the Host Intestine. , 2023, , 45-144.		0
938	Roles of the gut microbiome in weight management. <i>Nature Reviews Microbiology</i> , 2023, 21, 535-550.	13.6	11

#	ARTICLE	IF	CITATIONS
952	Gut Microbiota Throughout the Lifespan. , 2023, , 61-82.		0
953	Gut Microbiota Links With Disease. , 2023, , 105-145.		0
972	Pediatric Global Nutrition. , 2020, , .		0
984	The Microbiome, Metabolism, and Networks in Precision Nutrition. , 2024, , 91-142.		0
985	Gut Microbiome and Fish Health: An Overview in Finfish Aquaculture Prospective. , 2023, , 47-74.		0