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Human gut microbiome viewed across age and geography

DOI: 10.1038/nature11053

Nature, 2012, 486, 222-7.

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2260	Microbial Source Tracking Using 16S rRNA Amplicon Sequencing Identifies Evidence of Widespread Contamination from Young Childrens Feces in an Urban Slum of Nairobi, Kenya.		
2259	.		
2258	Associations among Health Perceptions and Health Status within Three Age Groups. 1990 , 2, 58-80		61
2257	The pervasive effects of an antibiotic on the human gut microbiota, as revealed by deep 16S rRNA sequencing. 2008 , 6, e280		1660
2256	Chapter 12: Human microbiome analysis. 2012 , 8, e1002808		310
2255	Bioinformatics for the Human Microbiome Project. 2012 , 8, e1002779		54
2254	Endo-N-acetylglucosaminidases from infant gut-associated bifidobacteria release complex N-glycans from human milk glycoproteins. 2012 , 11, 775-85		101
2253	Role of the gut microbiota in age-related chronic inflammation. 2012 , 12, 361-7		47
2252	The cystic fibrosis airway microbiome. 2012 , 18, 622-7		35
2251	Normal neonatal microbiome variation in relation to environmental factors, infection and allergy. 2012 , 24, 753-9		91
2250	Functional analysis of family GH36 β -galactosidases from Ruminococcus gnavus E1: insights into the metabolism of a plant oligosaccharide by a human gut symbiont. 2012 , 78, 7720-32		37
2249	Bioinformatic approaches for functional annotation and pathway inference in metagenomics data. 2012 , 13, 696-710		60
2248	Man and his spaceships: Vehicles for extraterrestrial colonization?. 2012 , 2, 272-278		4
2247	Identification of MW polyomavirus, a novel polyomavirus in human stool. 2012 , 86, 10321-6		145
2246	The gut microbiota, environment and diseases of modern society. 2012 , 3, 374-82		39
2245	Serial analysis of the gut and respiratory microbiome in cystic fibrosis in infancy: interaction between intestinal and respiratory tracts and impact of nutritional exposures. 2012 , 3,		217
2244	Abnormal gut integrity is associated with reduced linear growth in rural Malawian children. 2012 , 55, 747-50		82

2243	Microbes en masse: The sequencing machine. <i>Nature</i> , 2012 , 487, 156-8	50.4	4
2242	Metabolic phenotyping in clinical and surgical environments. <i>Nature</i> , 2012 , 491, 384-92	50.4	364
2241	Gut microbiota composition and activity in relation to host metabolic phenotype and disease risk. 2012 , 16, 559-64		316
2240	Going viral: next-generation sequencing applied to phage populations in the human gut. 2012 , 10, 607-17		302
2239	A Return to Microbial Genomes in the Metagenome Age. 2012 , 04,		
2238	Defining a healthy human gut microbiome: current concepts, future directions, and clinical applications. 2012 , 12, 611-22		448
2237	Exploring the genome sequence of <i>Bifidobacterium bifidum</i> S17 for potential players in host-microbe interactions. 2012 , 58, 191-200		13
2236	Microbial regulation of allergic responses to food. 2012 , 34, 671-88		33
2235	Host remodeling of the gut microbiome and metabolic changes during pregnancy. 2012 , 150, 470-80		1117
2234	The role of the gut microbiota in nutrition and health. 2012 , 9, 577-89		1119
2233	Pathogenic simian immunodeficiency virus infection is associated with expansion of the enteric virome. 2012 , 151, 253-66		212
2232	The human gut microbiota and undernutrition. 2012 , 4, 137ps12		128
2231	The function of our microbiota: who is out there and what do they do?. 2012 , 2, 104		240
2230	Quantifying your body: a how-to guide from a systems biology perspective. 2012 , 7, 980-91		63
2229	Delayed accumulation of intestinal coliform bacteria enhances life span and stress resistance in <i>Caenorhabditis elegans</i> fed respiratory deficient <i>E. coli</i> . 2012 , 12, 300		37
2228	Folate status of gut microbiome affects <i>Caenorhabditis elegans</i> lifespan. 2012 , 10, 66		13
2227	The importance of the gut microbiota after bariatric surgery. 2012 , 9, 590-8		175
2226	Obesity and the gut microbiome: Striving for causality. 2012 , 1, 21-31		74

2225	Nous sommes tous des bacteries: implications for medicine, pharmacology and public health. 2012 , 84, 1543-50		12
2224	Dietary and commensal derived nutrients: shaping mucosal and systemic immunity. 2012 , 24, 379-84		46
2223	The human gastrointestinal microbiota--an unexplored frontier for pharmaceutical discovery. 2012 , 66, 443-7		14
2222	The Human Microbiome Project: a community resource for the healthy human microbiome. 2012 , 10, e1001377		268
2221	Probiotics, prebiotics, and synbiotics: gut and beyond. 2012 , 2012, 872716		117
2220	Quantum physics: Majorana modes materialize. <i>Nature</i> , 2012 , 486, 195-7	50.4	29
2219	The Completed Self: An Immunological View of the Human-Microbiome Superorganism and Risk of Chronic Diseases. 2012 , 14, 2036-2065		18
2218	Diversity, stability and resilience of the human gut microbiota. <i>Nature</i> , 2012 , 489, 220-30	50.4	2919
2217	A direct PCR approach to accelerate analyses of human-associated microbial communities. 2012 , 7, e44563		52
2216	Integrated metagenomics/metaproteomics reveals human host-microbiota signatures of Crohn's disease. 2012 , 7, e49138		320
2215	Commensal bacteria and MAMPs are necessary for stress-induced increases in IL-1 β and IL-18 but not IL-6, IL-10 or MCP-1. 2012 , 7, e50636		56
2214	Insights from characterizing extinct human gut microbiomes. 2012 , 7, e51146		141
2213	Gut microbiota and type 1 diabetes. 2012 , 9, 251-9		48
2212	Probiotics in Dairy Fermented Products. 2012 ,		2
2211	Microbiology: Learning about who we are. <i>Nature</i> , 2012 , 486, 194-5	50.4	60
2210	Metagenomic microbial community profiling using unique clade-specific marker genes. 2012 , 9, 811-4		1120
2209	Honor thy gut symbionts redux. 2012 , 336, 1251-3		145
2208	Inflammation-associated enterotypes, host genotype, cage and inter-individual effects drive gut microbiota variation in common laboratory mice. 2013 , 14, R4		293

2207	Intestinal microbiota, probiotics and mental health: from Metchnikoff to modern advances: Part II - contemporary contextual research. 2013 , 5, 3	63
2206	Colonization resistance and microbial ecophysiology: using gnotobiotic mouse models and single-cell technology to explore the intestinal jungle. 2013 , 37, 793-829	75
2205	Large-scale survey of gut microbiota associated with MHE Via 16S rRNA-based pyrosequencing. 2013 , 108, 1601-11	104
2204	A microbial signature approach to identify fecal pollution in the waters off an urbanized coast of Lake Michigan. 2013 , 65, 1011-23	162
2203	Development of intestinal microbiota in infants and its impact on health. 2013 , 21, 167-73	320
2202	Human intestinal metagenomics: state of the art and future. 2013 , 16, 232-9	46
2201	Systems level immune response analysis and personalized medicine. 2013 , 9, 307-17	7
2200	Holobiont nutrition: considering the role of the gastrointestinal microbiota in the health benefits of whole grains. 2013 , 4, 340-6	25
2199	Replenishing our defensive microbes. 2013 , 35, 810-7	39
2198	HostParasite Interactions and the Evolution of Immune Defense. 2013 , 81-174	11
2197	Diversity of the intestinal microbiota in different patterns of feeding infants by Illumina high-throughput sequencing. 2013 , 29, 2365-72	56
2196	Human milk metagenome: a functional capacity analysis. 2013 , 13, 116	127
2195	Diffusely adherent Escherichia coli strains isolated from children and adults constitute two different populations. 2013 , 13, 22	23
2194	Duodenal microbiota composition and mucosal homeostasis in pediatric celiac disease. 2013 , 13, 113	92
2193	Systems biomedicine: It's your turnRecent progress in systems biomedicine. 2013 , 1, 140-155	2
2192	Oral Colonization of Fungi. 2013 , 7, 152-159	10
2191	Antiviral memory phenotype T cells in unexposed adults. 2013 , 255, 95-109	32
2190	Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation. 2013 , 5, 765-75	123

2189	Disease defence through generations: leaf-cutter ants and their symbiotic bacteria. 2013 , 22, 4141-4143		2
2188	Bacterial colonization factors control specificity and stability of the gut microbiota. <i>Nature</i> , 2013 , 501, 426-9	50.4	373
2187	Two-stage microbial community experimental design. 2013 , 7, 2330-9		16
2186	High sensitivity of 454 pyrosequencing for detection of rare species in aquatic communities. 2013 , 4, 558-565		152
2185	Into the wild: digging at immunology's evolutionary roots. 2013 , 14, 879-83		44
2184	Early microbial and metabolomic signatures predict later onset of necrotizing enterocolitis in preterm infants. 2013 , 1, 13		213
2183	Nutrition, the gut microbiome and the metabolic syndrome. 2013 , 27, 59-72		78
2182	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , 2013 , 500, 541-6	50.4	2584
2181	Intestinal colonization: how key microbial players become established in this dynamic process: microbial metabolic activities and the interplay between the host and microbes. 2013 , 35, 913-23		47
2180	Broad-spectrum antibacterial activity of carbon nanotubes to human gut bacteria. 2013 , 9, 2735-46		185
2179	<i>Lactobacillus johnsonii</i> inhibits indoleamine 2,3-dioxygenase and alters tryptophan metabolite levels in BioBreeding rats. 2013 , 27, 1711-20		89
2178	Mitigating amphibian chytridiomycosis with bioaugmentation: characteristics of effective probiotics and strategies for their selection and use. 2013 , 16, 807-20		181
2177	Dysbiosis--a consequence of Paneth cell dysfunction. 2013 , 25, 334-41		68
2176	Comparison between terminal-restriction fragment length polymorphism (T-RFLP) and quantitative culture for analysis of infants' gut microbiota. 2013 , 94, 37-46		24
2175	Kwashiorkor and the gut microbiota. 2013 , 368, 1746-7		16
2174	Microbial community structure in fermentation process of Shaoxing rice wine by Illumina-based metagenomic sequencing. 2013 , 93, 3121-5		22
2173	The effect of gut microbiota on drug metabolism. 2013 , 9, 1295-308		84
2172	A refined palate: bacterial consumption of host glycans in the gut. 2013 , 23, 1038-46		123

2171	Probiotics, prebiotics, and the host microbiome: the science of translation. 2013 , 1306, 1-17	80
2170	The human microbiome and probiotics: implications for pediatrics. 2013 , 63 Suppl 2, 42-52	24
2169	Function of the microbiota. 2013 , 27, 5-16	70
2168	The core faecal bacterial microbiome of Irish Thoroughbred racehorses. 2013 , 57, 492-501	62
2167	Gut microbiota and non-alcoholic fatty liver disease: new insights. 2013 , 19, 338-48	157
2166	Metagenome and metabolism: the tissue microbiota hypothesis. 2013 , 15 Suppl 3, 61-70	77
2165	A fresh look at the hygiene hypothesis: how intestinal microbial exposure drives immune effector responses in atopic disease. 2013 , 25, 378-87	51
2164	The altered landscape of the human skin microbiome in patients with primary immunodeficiencies. 2013 , 23, 2103-14	179
2163	Genetically dictated change in host mucus carbohydrate landscape exerts a diet-dependent effect on the gut microbiota. 2013 , 110, 17059-64	180
2162	Diet-microbiota interactions and their implications for healthy living. 2013 , 5, 234-52	132
2161	Sequencing the human microbiome in health and disease. 2013 , 22, R88-94	89
2160	Genomics, the origins of agriculture, and our changing microbe-scape: time to revisit some old tales and tell some new ones. 2013 , 152 Suppl 57, 135-52	33
2159	Temporal response of the human virome to immunosuppression and antiviral therapy. 2013 , 155, 1178-87	285
2158	Developing a metagenomic view of xenobiotic metabolism. 2013 , 69, 21-31	123
2157	Gut microbiota after gastric bypass in human obesity: increased richness and associations of bacterial genera with adipose tissue genes. 2013 , 98, 16-24	286
2156	Pharmacometabonomics and personalized medicine. 2013 , 50, 523-45	61
2155	Gut microbiota from twins discordant for obesity modulate metabolism in mice. 2013 , 341, 1241214	2251
2154	Rapid evolution of the human gut virome. 2013 , 110, 12450-5	379

2153	Interactions between gut microbiota, food and the obese host. 2013 , 34, 44-53	19
2152	Gut microbiota: Please pass the microbes. <i>Nature</i> , 2013 , 504, 33	50.4 13
2151	Challenges in providing credible scientific evidence of health benefits of dietary polyphenols. 2013 , 5, 524-526	33
2150	Variation in consumption of human milk oligosaccharides by infant gut-associated strains of <i>Bifidobacterium breve</i> . 2013 , 79, 6040-9	161
2149	Meta-analyses of studies of the human microbiota. 2013 , 23, 1704-14	289
2148	Role of the gut microbiota in human nutrition and metabolism. 2013 , 28 Suppl 4, 9-17	240
2147	Use of bifidobacterial specific terminal restriction fragment length polymorphisms to complement next generation sequence profiling of infant gut communities. 2013 , 19, 62-9	18
2146	From aging worms to the influence of the microbiota: an interview with David Weinkove. 2013 , 11, 94	
2145	Predictors of oedema among children hospitalized with severe acute malnutrition in Jimma University Hospital, Ethiopia: a cross sectional study. 2013 , 13, 204	8
2144	HIV Infection is associated with compositional and functional shifts in the rectal mucosal microbiota. 2013 , 1, 26	147
2143	Intestinal Microbiota Composition in Adults. 2013 , 17-24	3
2142	Experimental approaches for defining functional roles of microbes in the human gut. 2013 , 67, 459-75	31
2141	Emerging aspects of food and nutrition on gut microbiota. 2013 , 61, 9559-74	36
2140	Human gut microbiota community structures in urban and rural populations in Russia. 2013 , 4, 2469	174
2139	Alterations in the gut microbiota associated with HIV-1 infection. 2013 , 14, 329-39	284
2138	Dyeing to learn more about the gut microbiota. 2013 , 13, 119-20	1
2137	Effects of the modulation of microbiota on the gastrointestinal immune system and bowel function. 2013 , 61, 9977-83	29
2136	Assessing the human gut microbiota in metabolic diseases. 2013 , 62, 3341-9	289

2135	Quantifying and identifying the active and damaged subsets of indigenous microbial communities. 2013 , 531, 91-107	8
2134	Impact of polyphenols and polyphenol-rich dietary sources on gut microbiota composition. 2013 , 61, 9517-33	250
2133	Diet, the human gut microbiota, and IBD. 2013 , 24, 117-20	91
2132	The microbiome-gut-brain axis: a new frontier for allergy. 2013 , 22, 556-558	
2131	Country-specific antibiotic use practices impact the human gut resistome. 2013 , 23, 1163-9	269
2130	Comparison of the compositions of the stool microbiotas of infants fed goat milk formula, cow milk-based formula, or breast milk. 2013 , 79, 3040-8	121
2129	Need for prospective cohort studies to establish human gut microbiome contributions to disease risk. 2013 , 105, 1850-1	10
2128	Utilization of galactooligosaccharides by <i>Bifidobacterium longum</i> subsp. <i>infantis</i> isolates. 2013 , 33, 262-70	76
2127	Adaptation of bifidobacteria to the gastrointestinal tract and functional consequences. 2013 , 69, 127-36	43
2126	Sex differences in the gut microbiome drive hormone-dependent regulation of autoimmunity. 2013 , 339, 1084-8	1158
2125	Xenobiotics shape the physiology and gene expression of the active human gut microbiome. 2013 , 152, 39-50	560
2124	Quality-filtering vastly improves diversity estimates from Illumina amplicon sequencing. 2013 , 10, 57-9	2167
2123	16S rRNA survey revealed complex bacterial communities and evidence of bacterial interference on human adenoids. 2013 , 15, 535-47	27
2122	Gut and root microbiota commonalities. 2013 , 79, 2-9	74
2121	The gut microbiota, obesity and insulin resistance. 2013 , 34, 39-58	373
2120	Therapeutic modulation of intestinal dysbiosis. 2013 , 69, 75-86	113
2119	The influence of diet on the gut microbiota. 2013 , 69, 52-60	594
2118	Biodiversity and functional genomics in the human microbiome. 2013 , 29, 51-8	167

2117	Animals in a bacterial world, a new imperative for the life sciences. 2013 , 110, 3229-36	1488
2116	The role of biogeography in shaping diversity of the intestinal microbiota in house mice. 2013 , 22, 1904-16	121
2115	Role of intestinal microflora in xenobiotic-induced toxicity. 2013 , 57, 84-99	24
2114	Gut-brain axis: how the microbiome influences anxiety and depression. 2013 , 36, 305-12	1277
2113	A systems biology approach to studying the role of microbes in human health. 2013 , 24, 4-12	70
2112	Building a genome analysis pipeline to predict disease risk and prevent disease. 2013 , 425, 3993-4005	26
2111	New food safety concerns associated with gut microbiota. 2013 , 34, 62-66	5
2110	A role for IL-22 in the relationship between intestinal helminths, gut microbiota and mucosal immunity. 2013 , 43, 253-7	44
2109	Resident commensals shaping immunity. 2013 , 25, 450-5	42
2108	Blastocystis: getting to grips with our guileful guest. 2013 , 29, 523-9	80
2107	Effect of barrier microbes on organ-based inflammation. 2013 , 131, 1465-78	45
2106	Human milk and related oligosaccharides as prebiotics. 2013 , 24, 214-9	124
2105	Selecting age-related functional characteristics in the human gut microbiome. 2013 , 1, 2	31
2104	Discovery of STL polyomavirus, a polyomavirus of ancestral recombinant origin that encodes a unique T antigen by alternative splicing. 2013 , 436, 295-303	133
2103	Holding a grudge: persisting anti-phage CRISPR immunity in multiple human gut microbiomes. 2013 , 10, 900-6	11
2102	Our second genome-human metagenome: how next-generation sequencer changes our life through microbiology. 2013 , 62, 119-44	18
2101	The intestinal microbiota and host immune interactions in the critically ill. 2013 , 21, 221-9	83
2100	Genetic control of obesity and gut microbiota composition in response to high-fat, high-sucrose diet in mice. 2013 , 17, 141-52	383

2099	'Blooming' in the gut: how dysbiosis might contribute to pathogen evolution. 2013 , 11, 277-84	225
2098	The gut microbiota--masters of host development and physiology. 2013 , 11, 227-38	1907
2097	Exploring the bovine rumen bacterial community from birth to adulthood. 2013 , 7, 1069-79	480
2096	Implications of the human microbiome in inflammatory bowel diseases. 2013 , 342, 10-7	41
2095	Fecal microbiota diversity in survivors of adolescent/young adult Hodgkin lymphoma: a study of twins. 2013 , 108, 1163-7	34
2094	The human microbiome: from symbiosis to pathogenesis. 2013 , 64, 145-63	122
2093	Ethnic diversity of gut microbiota: species characterization of <i>Bacteroides fragilis</i> group and genus <i>Bifidobacterium</i> in healthy Belgian adults, and comparison with data from Japanese subjects. 2013 , 116, 265-70	36
2092	A novel combined approach based on HTF-Microbi.Array and qPCR for a reliable characterization of the <i>Bifidobacterium</i> -dominated gut microbiota of breast-fed infants. 2013 , 343, 121-6	4
2091	A road map for molecular ecology. 2013 , 22, 2605-26	86
2090	Quantifying the metabolic activities of human-associated microbial communities across multiple ecological scales. 2013 , 37, 830-48	17
2089	Environmental factors influencing the efficacy of probiotic bacteria. 2013 , 24, 207-13	36
2088	Consumption of human milk glycoconjugates by infant-associated bifidobacteria: mechanisms and implications. 2013 , 159, 649-664	147
2087	Patterns and processes in parasite co-infection. 2013 , 82, 321-69	42
2086	Medicines from microbiota. 2013 , 31, 309-15	102
2085	Plants, diet, and health. 2013 , 64, 19-46	118
2084	Human intestinal microbiota composition is associated with local and systemic inflammation in obesity. 2013 , 21, E607-15	321
2083	If microbial ecosystem therapy can change your life, what's the problem?. 2013 , 35, 508-12	8
2082	The abundance and variety of carbohydrate-active enzymes in the human gut microbiota. 2013 , 11, 497-504	811

2081	The role of the bacterial microbiome in lung disease. 2013 , 7, 245-57	251
2080	Computational meta'omics for microbial community studies. 2013 , 9, 666	216
2079	The uses of race and ethnicity in human microbiome research. 2013 , 21, 165-6	32
2078	Gut metagenome in European women with normal, impaired and diabetic glucose control. <i>Nature</i> , 2013 , 498, 99-103	50.4 1715
2077	Gut microbiota and kin recognition. 2013 , 28, 325-6	43
2076	Intestinal microbiota: a source of novel biomarkers in inflammatory bowel diseases?. 2013 , 27, 47-58	99
2075	Pathways in microbe-induced obesity. 2013 , 17, 883-894	191
2074	Immunology of pediatric HIV infection. 2013 , 254, 143-69	74
2073	Beyond phylotyping: understanding the impact of gut microbiota on host biology. 2013 , 25, 358-72	32
2072	Early diet impacts infant rhesus gut microbiome, immunity, and metabolism. 2013 , 12, 2833-45	72
2071	Reply: To PMID 22153774. 2013 , 131, 248-9	6
2070	IL10 polymorphisms, rhinovirus-induced bronchiolitis, and childhood asthma. 2013 , 131, 249-50	6
2069	Association of gut microbiota with post-operative clinical course in Crohn's disease. 2013 , 13, 131	63
2068	From molecules to dynamic biological communities. 2013 , 28, 241-259	12
2067	Opportunities and challenges for gut microbiome studies in the Indian population. 2013 , 1, 24	33
2066	A comparison of the efficiency of five different commercial DNA extraction kits for extraction of DNA from faecal samples. 2013 , 94, 103-110	100
2065	Gut microbiomes of Malawian twin pairs discordant for kwashiorkor. 2013 , 339, 548-54	810
2064	Performance characteristics of qPCR assays targeting human- and ruminant-associated bacteroidetes for microbial source tracking across sixteen countries on six continents. 2013 , 47, 8548-56	84

2063	Gut Lactobacillales are associated with higher CD4 and less microbial translocation during HIV infection. 2013 , 27, 1921-31	88
2062	Candida albicans is not always the preferential yeast colonizing humans: a study in Wayampi Amerindians. 2013 , 208, 1705-16	65
2061	Microbiome in human health and disease. 2013 , 96, 153-70	17
2060	Pathogenesis of human enterovirulent bacteria: lessons from cultured, fully differentiated human colon cancer cell lines. 2013 , 77, 380-439	49
2059	Proteomic analysis of Bifidobacterium longum subsp. infantis reveals the metabolic insight on consumption of prebiotics and host glycans. 2013 , 8, e57535	60
2058	Age-dependent fecal bacterial correlation to inflammatory bowel disease for newly diagnosed untreated children. 2013 , 2013, 302398	11
2057	Effects of diet on resource utilization by a model human gut microbiota containing Bacteroides cellulosilyticus WH2, a symbiont with an extensive glycobiome. 2013 , 11, e1001637	184
2056	Reconstructing the genomic content of microbiome taxa through shotgun metagenomic deconvolution. 2013 , 9, e1003292	35
2055	Comparison of Gut Microbiota between Sasang Constitutions. 2013 , 2013, 171643	10
2054	Gesunde Ernährung. 2013 , 113-138	
2053	Carbohydrates and the human gut microbiota. 2013 , 16, 453-60	102
2052	Intake of whole-grain and fiber-rich rye bread versus refined wheat bread does not differentiate intestinal microbiota composition in Finnish adults with metabolic syndrome. 2013 , 143, 648-55	71
2051	Current World Literature. 2013 , 13, 315-320	
2050	Stories of love and hate: innate immunity and host-microbe crosstalk in the intestine. 2013 , 29, 125-32	29
2049	Three main factors define changes in fecal microbiota associated with feeding modality in infants. 2013 , 57, 461-6	38
2048	Future for probiotic science in functional food and dietary supplement development. 2013 , 16, 679-87	55
2047	Nutrition, microbiomes, and intestinal inflammation. 2013 , 29, 603-7	24
2046	Intestinal microbiota of infants with colic: development and specific signatures. 2013 , 131, e550-8	171

2045	Microbes and the malnourished child. 2013 , 5, 180fs11	3
2044	Sympatric chimpanzees and gorillas harbor convergent gut microbial communities. 2013 , 23, 1715-20	106
2043	Food components and the immune system: from tonic agents to allergens. 2013 , 4, 102	42
2042	Taxonomic classification of bacterial 16S rRNA genes using short sequencing reads: evaluation of effective study designs. 2013 , 8, e53608	183
2041	Distinct distal gut microbiome diversity and composition in healthy children from Bangladesh and the United States. 2013 , 8, e53838	224
2040	Developments and insights into the analysis of the human microbiome. 2013 , 37,	1
2039	Hot topics in gut microbiota. 2013 , 1, 311-8	34
2038	Diet, gut enterotypes and health: is there a link?. 2013 , 77, 65-73	13
2037	Microbiomic signatures of psoriasis: feasibility and methodology comparison. 2013 , 3, 2620	60
2036	Engineering the rabbit digestive ecosystem to improve digestive health and efficacy. 2013 , 7, 1429-39	41
2035	The interplay between fiber and the intestinal microbiome in the inflammatory response. 2013 , 4, 16-28	115
2034	Exploring host-microbiota interactions in animal models and humans. 2013 , 27, 701-18	308
2033	Functional consequences of microbial shifts in the human gastrointestinal tract linked to antibiotic treatment and obesity. 2013 , 4, 306-15	66
2032	Prebiotics, faecal transplants and microbial network units to stimulate biodiversity of the human gut microbiome. 2013 , 6, 335-40	32
2031	Comparison of stool microbiota compositions, stool alpha1-antitrypsin and calprotectin concentrations, and diarrhoeal morbidity of Indonesian infants fed breast milk or probiotic/prebiotic-supplemented formula. 2013 , 49, 1032-9	16
2030	The primate vaginal microbiome: comparative context and implications for human health and disease. 2013 , 152 Suppl 57, 119-34	90
2029	The human gut microbiome and its dysfunctions. 2013 , 31, 278-85	49
2028	Tough nuts to crack: site-directed mutagenesis of bifidobacteria remains a challenge. 2013 , 4, 197-202	20

2027	The role of the gastrointestinal microbiome in <i>Helicobacter pylori</i> pathogenesis. 2013 , 4, 505-31	129
2026	Oligotyping: Differentiating between closely related microbial taxa using 16S rRNA gene data. 2013 , 4, 1111	407
2025	Factors that drive variation among gut microbial communities. 2013 , 4, 403-8	17
2024	Distinct antimicrobial peptide expression determines host species-specific bacterial associations. 2013 , 110, E3730-8	212
2023	Microbiome assembly across multiple body sites in low-birthweight infants. 2013 , 4, e00782-13	103
2022	Breast milk: proactive immunomodulation and mucosal protection against viruses and other pathogens. 2013 , 8, 1127-1134	1
2021	NOD2 prevents emergence of disease-predisposing microbiota. 2013 , 4, 353-6	7
2020	New insights into probiotic mechanisms: a harvest from functional and metagenomic studies. 2013 , 4, 94-100	32
2019	Do gut microbial communities differ in pediatric IBS and health?. 2013 , 4, 347-52	28
2018	The State of Science Regarding Consumption of Refined and Enriched Grains. 2013 , 58, 264-268	1
2017	- Introduction. 2013 , 12-22	
2016	[Dysbiosis, a new medical concept]. 2013 , 29, 586-9	0
2015	The diversity of intestinal microbiota of Mongolians living in Inner Mongolia, China. 2013 , 4, 319-28	15
2014	Detection of low-concentration host mRNA transcripts in Malawian children at risk for environmental enteropathy. 2013 , 56, 66-71	15
2013	Metabolomic phenotyping validates the infant rhesus monkey as a model of human infant metabolism. 2013 , 56, 355-63	46
2012	Impact of ethnicity, geography, and disease on the microbiota in health and inflammatory bowel disease. 2013 , 19, 2906-18	59
2011	The role of gut microbiota on insulin resistance. 2013 , 5, 829-51	123
2010	DNA sequencing methods in human genetics and disease research. 2013 , 5, 34	6

2009	The potential link between gut microbiota and IgE-mediated food allergy in early life. 2013 , 10, 7235-56	35
2008	Advances in Nutritional Metabolomics. 2013 , 1, 109-120	20
2007	Up to Species-level Community Analysis of Human Gut Microbiota by 16S rRNA Amplicon Pyrosequencing. 2013 , 32, 69-76	12
2006	[Roles of enteric microbial composition and metabolism in health and diseases]. 2013 , 62, 191-205	7
2005	Current status and future promise of the human microbiome. 2013 , 16, 71-9	55
2004	Clinical efficacy and mechanism of probiotics in allergic diseases. 2013 , 56, 369-76	46
2003	Ancient gut microbiomes shed light on modern disease. 2013 , 121, A118	6
2002	Fecal microbiota transplantation for severe enterocolonic fistulizing Crohn's disease. 2013 , 19, 7213-6	81
2001	Comparison of the distal gut microbiota from people and animals in Africa. 2013 , 8, e54783	52
2000	Home life: factors structuring the bacterial diversity found within and between homes. 2013 , 8, e64133	213
1999	Intestinal microbiota in healthy U.S. young children and adults—a high throughput microarray analysis. 2013 , 8, e64315	146
1998	Microbial communities in pre-columbian coprolites. 2013 , 8, e65191	34
1997	Archaea and fungi of the human gut microbiome: correlations with diet and bacterial residents. 2013 , 8, e66019	447
1996	Analysis of the airway microbiota of healthy individuals and patients with chronic obstructive pulmonary disease by T-RFLP and clone sequencing. 2013 , 8, e68302	72
1995	Assessing the fecal microbiota: an optimized ion torrent 16S rRNA gene-based analysis protocol. 2013 , 8, e68739	205
1994	Metagenomic predictions: from microbiome to complex health and environmental phenotypes in humans and cattle. 2013 , 8, e73056	70
1993	Microbiome analysis of stool samples from African Americans with colon polyps. 2013 , 8, e81352	38
1992	The enterocyte-associated intestinal microbiota of breast-fed infants and adults responds differently to a TNF- β -mediated pro-inflammatory stimulus. 2013 , 8, e81762	16

1991	A Western diet ecological module identified from the 'humanized' mouse microbiota predicts diet in adults and formula feeding in children. 2013 , 8, e83689	12
1990	Reduced incidence of Prevotella and other fermenters in intestinal microflora of autistic children. 2013 , 8, e68322	537
1989	Meta4: a web application for sharing and annotating metagenomic gene predictions using web services. 2013 , 4, 168	7
1988	The human urinary microbiome; bacterial DNA in voided urine of asymptomatic adults. 2013 , 3, 41	199
1987	Expansion of intestinal Prevotella copri correlates with enhanced susceptibility to arthritis. 2013 , 2, e01202	1092
1986	Cohabiting family members share microbiota with one another and with their dogs. 2013 , 2, e00458	616
1985	Functional metagenomic profiling of intestinal microbiome in extreme ageing. 2013 , 5, 902-12	200
1984	Assessment of helminth biodiversity in wild rats using 18S rDNA based metagenomics. 2014 , 9, e110769	35
1983	Genomic and metabolomic insights into the natural product biosynthetic diversity of a feral-hog-associated Brevibacillus laterosporus strain. 2014 , 9, e90124	19
1982	Seasonal variation in human gut microbiome composition. 2014 , 9, e90731	179
1981	The gut of geographically disparate Ciona intestinalis harbors a core microbiota. 2014 , 9, e93386	78
1980	Characterization of fecal microbiota across seven Chinese ethnic groups by quantitative polymerase chain reaction. 2014 , 9, e93631	31
1979	Gut microbiomes of Indian children of varying nutritional status. 2014 , 9, e95547	106
1978	The prevalence of species and strains in the human microbiome: a resource for experimental efforts. 2014 , 9, e97279	62
1977	Identifying keystone species in the human gut microbiome from metagenomic timeseries using sparse linear regression. 2014 , 9, e102451	179
1976	HLA-B27 and human α -microglobulin affect the gut microbiota of transgenic rats. 2014 , 9, e105684	167
1975	Maternal obesity is associated with alterations in the gut microbiome in toddlers. 2014 , 9, e113026	112
1974	Intestinal microbiota in health and disease: role of bifidobacteria in gut homeostasis. 2014 , 20, 15163-76	282

1973	Bovine immunoglobulin protein isolates for the nutritional management of enteropathy. 2014 , 20, 11713-26	26
1972	What is the Future of the Gut Microbiota-Related Treatment? Toward Modulation of Microbiota in Preventive and Therapeutic Medicine. 2014 , 1, 19	5
1971	From lifetime to evolution: timescales of human gut microbiota adaptation. 2014 , 5, 587	74
1970	Pathogenic microbes, the microbiome, and Alzheimer's disease (AD). 2014 , 6, 127	110
1969	External influence of early childhood establishment of gut microbiota and subsequent health implications. 2014 , 2, 109	123
1968	Integrins in the intestinal microbiota as reservoirs for transmission of antibiotic resistance genes. 2014 , 3, 238-48	36
1967	Early development of the gut microbiota and immune health. 2014 , 3, 769-90	105
1966	Archaea and the human gut: new beginning of an old story. 2014 , 20, 16062-78	200
1965	The Effects of Diet and the Microbiome on Reproduction and Longevity: A Comparative Review Across 5 Continents. 2014 , 05,	3
1964	Perturbation of the human microbiome as a contributor to inflammatory bowel disease. 2014 , 3, 510-27	24
1963	Environmental changes, microbiota, and allergic diseases. 2014 , 6, 389-400	36
1962	Environmental arsenic exposure and microbiota in induced sputum. 2014 , 11, 2299-313	10
1961	Current status and prospects of intestinal microbiome studies. 2014 , 12, 178-83	13
1960	Determining Functional Properties and Sources of Recently Identified Bioactive Food Components: Oligosaccharides, Glycolipids, Glycoproteins, and Peptides. 2014 , 441-461	1
1959	Diversity: from diet to flora to life. 2014 , 3, 6-8	2
1958	Subsampled open-reference clustering creates consistent, comprehensive OTU definitions and scales to billions of sequences. 2014 , 2, e545	395
1957	MICROFLORA OF THE INTESTINE The Natural Microflora of Humans. 2014 , 634-638	2
1956	Tipping elements in the human intestinal ecosystem. 2014 , 5, 4344	154

1955	Gut microbiota disturbance during antibiotic therapy: a multi-omic approach. 2014 , 5, 64-70	66
1954	The effects of gut microbiota on CNS function in humans. 2014 , 5, 404-10	91
1953	Maternally acquired genotoxic Escherichia coli alters offspring's intestinal homeostasis. 2014 , 5, 313-25	49
1952	Gut microbiome of the Hadza hunter-gatherers. 2014 , 5, 3654	780
1951	Experimental determination and characterization of the gap promoter of Bifidobacterium bifidum S17. 2014 , 5, 371-7	15
1950	Metabolic tinkering by the gut microbiome: Implications for brain development and function. 2014 , 5, 369-80	80
1949	New insights into the hygiene hypothesis in allergic diseases: mediation of sibling and birth mode effects by the gut microbiota. 2014 , 5, 239-44	53
1948	Atopy and the gastrointestinal tract--a review of a common association in unexplained gastrointestinal disease. 2014 , 8, 289-99	26
1947	Gastrointestinal microbiota and metabolite biomarkers in children with autism spectrum disorders. 2014 , 8, 331-44	45
1946	Glycan degradation (GlyDeR) analysis predicts mammalian gut microbiota abundance and host diet-specific adaptations. 2014 , 5,	27
1945	Meta-analyses of human gut microbes associated with obesity and IBD. 2014 , 588, 4223-33	514
1944	A phylogenomic view of ecological specialization in the Lachnospiraceae, a family of digestive tract-associated bacteria. 2014 , 6, 703-13	402
1943	Microbiome manipulation modifies sex-specific risk for autoimmunity. 2014 , 5, 485-93	51
1942	Comparative analysis of the human saliva microbiome from different climate zones: Alaska, Germany, and Africa. 2014 , 14, 316	89
1941	Carnitine metabolism to trimethylamine by an unusual Rieske-type oxygenase from human microbiota. 2014 , 111, 4268-73	197
1940	HIV-induced alteration in gut microbiota: driving factors, consequences, and effects of antiretroviral therapy. 2014 , 5, 562-70	106
1939	The gut microbiota of Colombians differs from that of Americans, Europeans and Asians. 2014 , 14, 311	125
1938	Can prebiotics and probiotics improve therapeutic outcomes for undernourished individuals?. 2014 , 5, 74-82	36

1937	Development of the preterm infant gut microbiome: a research priority. 2014 , 2, 38	153
1936	Richness and diversity of mammalian fungal communities shape innate and adaptive immunity in health and disease. 2014 , 44, 3166-81	53
1935	Reprogramming of gut microbiome energy metabolism by the FUT2 Crohn's disease risk polymorphism. 2014 , 8, 2193-206	140
1934	Intestinal microbiota in metabolic diseases: from bacterial community structure and functions to species of pathophysiological relevance. 2014 , 5, 544-51	117
1933	Gut microbes and adverse food reactions: Focus on gluten related disorders. 2014 , 5, 594-605	30
1932	The role of metagenomics in understanding the human microbiome in health and disease. 2014 , 5, 413-23	59
1931	Intestinal dysbiosis associated with systemic lupus erythematosus. 2014 , 5, e01548-14	309
1930	Metagenomic data utilization and analysis (MEDUSA) and construction of a global gut microbial gene catalogue. 2014 , 10, e1003706	40
1929	Waste not, want not: why rarefying microbiome data is inadmissible. 2014 , 10, e1003531	1536
1928	Metagenomic ventures into outer sequence space. 2014 , 4, e979664	22
1927	Evaluation of Hand Bacteria as a Human Biometric Identifier. 2014 ,	
1926	Communities of microbial eukaryotes in the mammalian gut within the context of environmental eukaryotic diversity. 2014 , 5, 298	98
1925	The intestinal microbiome in early life: health and disease. 2014 , 5, 427	472
1924	Diet and the development of the human intestinal microbiome. 2014 , 5, 494	281
1923	Sources and distribution of surface water fecal contamination and prevalence of schistosomiasis in a Brazilian village. 2014 , 8, e3186	14
1922	Early development of the gut microbiome and immune-mediated childhood disorders. 2014 , 32, 74-86	83
1921	Microbial succession in the gut: directional trends of taxonomic and functional change in a birth cohort of Spanish infants. 2014 , 10, e1004406	115
1920	Helminth colonization is associated with increased diversity of the gut microbiota. 2014 , 8, e2880	225

1919	Microbial urease in health and disease. 2014 , 10, e1004472	72
1918	Bifidobacteria-host interactions--an update on colonisation factors. 2014 , 2014, 960826	29
1917	NOD-like receptors in intestinal homeostasis and epithelial tissue repair. 2014 , 15, 9594-627	55
1916	A review of the source and function of microbiota in breast milk. 2014 , 32, 68-73	79
1915	The human intestinal microbiome at extreme ages of life. Dietary intervention as a way to counteract alterations. 2014 , 5, 406	96
1914	The three genetics (nuclear DNA, mitochondrial DNA, and gut microbiome) of longevity in humans considered as metaorganisms. 2014 , 2014, 560340	16
1913	Diarrhea in young children from low-income countries leads to large-scale alterations in intestinal microbiota composition. 2014 , 15, R76	150
1912	Metabonomic Phenotyping for the Gut Microbiota and Mammal Interactions. 2014 , 189-201	
1911	The microbiome as a target for endocrine disruptors: Novel chemicals may disrupt androgen and microbiome-mediated autoimmunity. 2014 , 2, e964539	2
1910	Microbiology of the Anthropocene. 2014 , 5, 1-8	53
1909	Developmental origins of nonalcoholic fatty liver disease. 2014 , 75, 140-7	96
1908	Feature subset selection for inferring relative importance of taxonomy. 2014 ,	1
1907	Gut microbiome and the risk factors in central nervous system autoimmunity. 2014 , 588, 4214-22	46
1906	Preventive effects of selected probiotic strains on the development of asthma and allergic rhinitis in childhood. The Panda study. 2014 , 44, 1431-3	26
1905	The role of the microbiome in immune cell development. 2014 , 113, 593-8	18
1904	Rural and urban microbiota: To be or not to be?. 2014 , 5, 351-6	26
1903	Major faecal microbiota shifts in composition and diversity with age in a geographically restricted cohort of mothers and their children. 2014 , 87, 280-90	121
1902	Host-microorganism interactions in lung diseases. 2014 , 14, 827-35	196

1901	Gut microbiota, nutrient sensing and energy balance. 2014 , 16 Suppl 1, 68-76	59
1900	Commensals, probiotics and pathogens in the <i>Caenorhabditis elegans</i> model. 2014 , 16, 27-38	70
1899	Diet and feeding pattern affect the diurnal dynamics of the gut microbiome. 2014 , 20, 1006-17	436
1898	Gut microbiota and cardiometabolic outcomes: influence of dietary patterns and their associated components. 2014 , 100 Suppl 1, 369S-77S	50
1897	Evaluation of <i>Bacteroides fragilis</i> GB-124 bacteriophages as novel human-associated faecal indicators in the United States. 2014 , 59, 115-21	28
1896	Ancient human oral plaque preserves a wealth of biological data. 2014 , 46, 321-3	18
1895	An introduction to the analysis of shotgun metagenomic data. 2014 , 5, 209	308
1894	<i>Clostridium difficile</i> carriage in hospitalized cancer patients: a prospective investigation in eastern China. 2014 , 14, 523	23
1893	Role of gut microbiota: obesity and NAFLD. 2014 , 25, 133-40	37
1892	Microbial imbalance and intestinal pathologies: connections and contributions. 2014 , 7, 1131-42	65
1891	<i>Escherichia coli</i> dysbiosis correlates with gastrointestinal dysfunction in children with cystic fibrosis. 2014 , 58, 396-9	51
1890	Effects of iron supplementation on dominant bacterial groups in the gut, faecal SCFA and gut inflammation: a randomised, placebo-controlled intervention trial in South African children. 2014 , 112, 547-56	66
1889	Functional gene arrays-based analysis of fecal microbiomes in patients with liver cirrhosis. 2014 , 15, 753	24
1888	The association between the upper digestive tract microbiota by HOMIM and oral health in a population-based study in Linxian, China. 2014 , 14, 1110	6
1887	Reconceptualizing major depressive disorder as an infectious disease. 2014 , 4, 10	20
1886	Host genes and their effect on the intestinal microbiome garden. 2014 , 6, 119	11
1885	Microbial shifts in the aging mouse gut. 2014 , 2, 50	224
1884	'The way to a man's heart is through his gut microbiota'--dietary pro- and prebiotics for the management of cardiovascular risk. 2014 , 73, 172-85	88

1883	Gut microbiota and allergic disease: new findings. 2014 , 17, 261-6	46
1882	The stunting syndrome in developing countries. 2014 , 34, 250-65	391
1881	Effect of diet on the intestinal microbiota and its activity. 2014 , 30, 189-95	58
1880	Biological significance of short-chain fatty acid metabolism by the intestinal microbiome. 2014 , 17, 139-44	163
1879	Diet, the gut microbiome, and epigenetics. 2014 , 20, 170-5	122
1878	The microbiota and helminths: sharing the same niche in the human host. 2014 , 141, 1255-71	68
1877	Impact of the gut microbiota on the development of obesity and type 2 diabetes mellitus. 2014 , 5, 190	186
1876	Mycobacteria, Immunoregulation, and Autoimmunity. 2014 , 1-26	
1875	Inflammation and colorectal cancer, when microbiota-host mutualism breaks. 2014 , 20, 908-22	137
1874	Mediterranean diet and health: food effects on gut microbiota and disease control. 2014 , 15, 11678-99	107
1873	Modulation of intestinal microbiota by the probiotic VSL#3 resets brain gene expression and ameliorates the age-related deficit in LTP. 2014 , 9, e106503	143
1872	Exploring the influence of the gut microbiota and probiotics on health: a symposium report. 2014 , 112 Suppl 1, S1-18	68
1871	Wellness and health omics linked to the environment: the WHOLE approach to personalized medicine. 2014 , 799, 1-14	7
1870	The central role of the gut microbiota in chronic inflammatory diseases. 2014 , 2014, 689492	110
1869	Iron supplementation promotes gut microbiota metabolic activity but not colitis markers in human gut microbiota-associated rats. 2014 , 111, 2135-45	42
1868	Metabolic alterations to the mucosal microbiota in inflammatory bowel disease. 2014 , 20, 723-31	55
1867	Diet, the gut microbiome and the metabolome in IBD. 2014 , 79, 73-82	14
1866	Gut microbiota and inflammatory bowel disease: the role of antibiotics in disease management. 2014 , 126, 7-19	192

1865	Host lifestyle affects human microbiota on daily timescales. 2014 , 15, R89	548
1864	Gene, environment, microbiome and mucosal immune tolerance in rheumatoid arthritis. 2016 , 55, 391-402	41
1863	Blautia and Prevotella sequences distinguish human and animal fecal pollution in Brazil surface waters. 2014 , 6, 696-704	26
1862	The amphibian skin-associated microbiome across species, space and life history stages. 2014 , 23, 1238-50	220
1861	High-fat diet alters gut microbiota physiology in mice. 2014 , 8, 295-308	393
1860	ABO histo-blood group might modulate predisposition to Crohn's disease and affect disease behavior. 2014 , 8, 489-94	19
1859	The dynamic microbiome. 2014 , 588, 4131-9	115
1858	The anti-obesity effect of Ephedra sinica through modulation of gut microbiota in obese Korean women. 2014 , 152, 532-9	59
1857	Influence of Panax ginseng on obesity and gut microbiota in obese middle-aged Korean women. 2014 , 38, 106-15	57
1856	A clinician's primer on the role of the microbiome in human health and disease. 2014 , 89, 107-14	133
1855	Interactions in the microbiome: communities of organisms and communities of genes. 2014 , 38, 90-118	135
1854	The '-omics' revolution and oesophageal adenocarcinoma. 2014 , 11, 19-27	25
1853	Convergence of gut microbiomes in myrmecophagous mammals. 2014 , 23, 1301-17	179
1852	Probiotics tailored to the infant: a window of opportunity. 2014 , 26, 141-7	35
1851	Exopolysaccharide-producing Bifidobacterium animalis subsp. lactis strains and their polymers elicit different responses on immune cells from blood and gut associated lymphoid tissue. 2014 , 26, 24-30	47
1850	High abundance of Escherichia during the establishment of fecal microbiota in Brazilian children. 2014 , 67, 624-34	23
1849	Stability of the maternal gut microbiota during late pregnancy and early lactation. 2014 , 68, 419-27	92
1848	Effect of body mass and clothing on decomposition of pig carcasses. 2014 , 128, 1039-48	84

1847	Fermented foods, microbiota, and mental health: ancient practice meets nutritional psychiatry. 2014 , 33, 2	148
1846	Anti-infective activities of lactobacillus strains in the human intestinal microbiota: from probiotics to gastrointestinal anti-infectious biotherapeutic agents. 2014 , 27, 167-99	203
1845	Immune and genetic gardening of the intestinal microbiome. 2014 , 588, 4102-11	39
1844	Diet effects in gut microbiome and obesity. 2014 , 79, R442-51	65
1843	The meta-genome of sepsis: host genetics, pathogens and the acute immune response. 2014 , 6, 272-83	26
1842	Microbial enterotypes, inferred by the prevotella-to-bacteroides ratio, remained stable during a 6-month randomized controlled diet intervention with the new nordic diet. 2014 , 80, 1142-9	101
1841	Life at the beginning: perturbation of the microbiota by antibiotics in early life and its role in health and disease. 2014 , 15, 307-10	146
1840	Metaproteomics of our microbiome - developing insight in function and activity in man and model systems. 2014 , 97, 3-16	87
1839	Role of the microbiota in immunity and inflammation. 2014 , 157, 121-41	2330
1838	Beyond genetics. Influence of dietary factors and gut microbiota on type 1 diabetes. 2014 , 588, 4234-43	55
1837	The intestinal metabolome: an intersection between microbiota and host. 2014 , 146, 1470-6	165
1836	The bacterial communities in plant phloem-sap-feeding insects. 2014 , 23, 1433-44	76
1835	Intestinal microbiota and its effects on the immune system. 2014 , 16, 1004-13	77
1834	Compromised gut microbiota networks in children with anti-islet cell autoimmunity. 2014 , 63, 2006-14	131
1833	Establishment of intestinal microbiota during early life: a longitudinal, explorative study of a large cohort of Danish infants. 2014 , 80, 2889-900	289
1832	Compositional and functional features of the gastrointestinal microbiome and their effects on human health. 2014 , 146, 1449-58	276
1831	Kingdom-agnostic metagenomics and the importance of complete characterization of enteric microbial communities. 2014 , 146, 1459-69	124
1830	Diet and the intestinal microbiome: associations, functions, and implications for health and disease. 2014 , 146, 1564-72	379

1829	Lactic Acid Bacteria. 2014,	15
1828	Association between upper digestive tract microbiota and cancer-predisposing states in the esophagus and stomach. 2014, 23, 735-41	94
1827	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. 2014, 103, 812-9	122
1826	Improved group-specific primers based on the full SILVA 16S rRNA gene reference database. 2014, 16, 2389-407	28
1825	The first 1000 cultured species of the human gastrointestinal microbiota. 2014, 38, 996-1047	616
1824	Pharmacomicrobiomics: the impact of human microbiome variations on systems pharmacology and personalized therapeutics. 2014, 18, 402-14	89
1823	Microbial glycan microarrays define key features of host-microbial interactions. 2014, 10, 470-6	156
1822	The marriage of nutrigenomics with the microbiome: the case of infant-associated bifidobacteria and milk. 2014, 99, 697S-703S	33
1821	Gut microbiota in older subjects: variation, health consequences and dietary intervention prospects. 2014, 73, 441-51	28
1820	Obsessive-compulsive disorder and gut microbiota dysregulation. 2014, 82, 163-6	26
1819	Gut microbiota modulation and implications for host health: Dietary strategies to influence the gut-brain axis. 2014, 22, 239-247	37
1818	Paediatric oral biopharmaceutics: key considerations and current challenges. 2014, 73, 102-26	92
1817	Decreased gut microbiota diversity, delayed Bacteroidetes colonisation and reduced Th1 responses in infants delivered by caesarean section. 2014, 63, 559-66	636
1816	You are what you host: microbiome modulation of the aging process. 2014, 156, 408-11	149
1815	Sex matters in immunity. 2014, 35, 97-104	202
1814	Intestinal microbiota, diet and health. 2014, 111, 387-402	275
1813	Impact of diet on human intestinal microbiota and health. 2014, 5, 239-62	147
1812	Sphingolipids from a symbiotic microbe regulate homeostasis of host intestinal natural killer T cells. 2014, 156, 123-33	363

1811	Human genetics shape the gut microbiome. 2014 , 159, 789-99	1750
1810	High-fat maternal diet during pregnancy persistently alters the offspring microbiome in a primate model. 2014 , 5, 3889	288
1809	Breast milk oligosaccharides: structure-function relationships in the neonate. 2014 , 34, 143-69	264
1808	The future of yogurt: scientific and regulatory needs. 2014 , 99, 1271S-8S	10
1807	Impact of lifestyle on the gut microbiota of healthy infants and their mothers: the ALADDIN birth cohort. 2014 , 90, 791-801	67
1806	Dialogue between skin microbiota and immunity. 2014 , 346, 954-9	345
1805	The effects of gastrointestinal surgery on gut microbiota: potential contribution to improved insulin sensitivity. 2014 , 16, 454	63
1804	Severe viral respiratory infections: are bugs bugging?. 2014 , 7, 227-38	32
1803	The bacteriome-mycobiome interaction and antifungal host defense. 2014 , 44, 3182-91	74
1802	Microbiome diversity and asthma and allergy risk. 2014 , 14, 466	51
1801	Nutritional iron turned inside out: intestinal stress from a gut microbial perspective. 2014 , 38, 1202-34	143
1800	Rapid changes in the gut microbiome during human evolution. 2014 , 111, 16431-5	199
1799	GeoChip 4: a functional gene-array-based high-throughput environmental technology for microbial community analysis. 2014 , 14, 914-28	134
1798	Early respiratory microbiota composition determines bacterial succession patterns and respiratory health in children. 2014 , 190, 1283-92	329
1797	Discovering new indicators of fecal pollution. 2014 , 22, 697-706	102
1796	Utilizing "omics" tools to study the complex gut ecosystem. 2014 , 817, 25-38	7
1795	Individually addressable arrays of replica microbial cultures enabled by splitting SlipChips. 2014 , 6, 796-805	34
1794	Bacteria from diverse habitats colonize and compete in the mouse gut. 2014 , 159, 253-66	226

1793	Mutation of NLRC4 causes a syndrome of enterocolitis and autoinflammation. 2014 , 46, 1135-1139	337
1792	An evolving perspective about the origins of childhood undernutrition and nutritional interventions that includes the gut microbiome. 2014 , 1332, 22-38	38
1791	Cultivation-based multiplex phenotyping of human gut microbiota allows targeted recovery of previously uncultured bacteria. 2014 , 5, 4714	91
1790	Geographic variation in the eukaryotic virome of human diarrhea. 2014 , 468-470, 556-564	50
1789	Microbial determinants of biochemical individuality and their impact on toxicology and pharmacology. 2014 , 20, 761-768	43
1788	Antibiotics associated with increased risk of new-onset Crohn's disease but not ulcerative colitis: a meta-analysis. 2014 , 109, 1728-38	202
1787	Finding the missing links among metabolites, microbes, and the host. 2014 , 40, 824-32	198
1786	Influence of the microbiota on vaccine effectiveness. 2014 , 35, 526-37	102
1785	Commensal microbial regulation of natural killer T cells at the frontiers of the mucosal immune system. 2014 , 588, 4188-94	31
1784	Chemoprevention in gastrointestinal physiology and disease. Natural products and microbiome. 2014 , 307, G1-15	37
1783	Inflammatory bowel disease as a model for translating the microbiome. 2014 , 40, 843-54	237
1782	Immune-directed support of rich microbial communities in the gut has ancient roots. 2014 , 47, 36-51	34
1781	A highly abundant bacteriophage discovered in the unknown sequences of human faecal metagenomes. 2014 , 5, 4498	420
1780	The intestinal microbiome in type 1 diabetes. 2014 , 177, 30-7	77
1779	SnapShot: the human microbiome. 2014 , 158, 690-690.e1	20
1778	Cross-kingdom chemical communication drives a heritable, mutually beneficial prion-based transformation of metabolism. 2014 , 158, 1083-1093	115
1777	Is eating behavior manipulated by the gastrointestinal microbiota? Evolutionary pressures and potential mechanisms. 2014 , 36, 940-9	241
1776	Geographical variation of human gut microbial composition. 2014 , 10, 20131037	114

1775	Influence of hand rearing and bird age on the fecal microbiota of the critically endangered kakapo. 2014 , 80, 4650-8	34
1774	Alterations of the human gut microbiome in liver cirrhosis. <i>Nature</i> , 2014 , 513, 59-64	50.4 1155
1773	Treatment of the Obese Patient. 2014 ,	1
1772	A perspective on the complexity of dietary fiber structures and their potential effect on the gut microbiota. 2014 , 426, 3838-50	300
1771	Patterned progression of bacterial populations in the premature infant gut. 2014 , 111, 12522-7	339
1770	Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. 2014 , 20, 779-786	423
1769	Metagenomic Evaluation of the Highly Abundant Human Gut Bacteriophage CrAssphage for Source Tracking of Human Fecal Pollution. 2014 , 1, 405-409	50
1768	Alcoholic and non-alcoholic steatohepatitis. 2014 , 97, 492-510	50
1767	Establishment of a reborn MMV-microarray technology: realization of microbiome analysis and other hitherto inaccessible technologies. 2014 , 14, 78	6
1766	Nutritional psychiatry research: an emerging discipline and its intersection with global urbanization, environmental challenges and the evolutionary mismatch. 2014 , 33, 22	77
1765	The dynamics of a family's gut microbiota reveal variations on a theme. 2014 , 2, 25	73
1764	Complementary symbiont contributions to plant decomposition in a fungus-farming termite. 2014 , 111, 14500-5	163
1763	Gut microbiota, the pharmabiotics they produce and host health. 2014 , 73, 477-89	91
1762	[Sex-specific differences of the immune system]. 2014 , 73, 600-6	5
1761	Aberrant gut microbiota composition at the onset of type 1 diabetes in young children. 2014 , 57, 1569-77	202
1760	Tracking human sewage microbiome in a municipal wastewater treatment plant. 2014 , 98, 3317-26	88
1759	Bacterial communities in meerkat anal scent secretions vary with host sex, age, and group membership. 2014 , 25, 996-1004	67
1758	Exploration of bacterial community classes in major human habitats. 2014 , 15, R66	83

1757	Maturation of the enteric mucosal innate immune system during the postnatal period. 2014 , 260, 21-34	86
1756	Correlation network analysis reveals relationships between diet-induced changes in human gut microbiota and metabolic health. 2014 , 4, e122	65
1755	Microbial Endocrinology: The Microbiota-Gut-Brain Axis in Health and Disease. 2014 ,	40
1754	Fecal microbiota therapy: ready for prime time?. 2014 , 35, 28-30	7
1753	The Microbiota: A New Player in the Etiology of Colorectal Cancer. 2014 , 10, 1-8	2
1752	mtDNA haplogroup and single nucleotide polymorphisms structure human microbiome communities. 2014 , 15, 257	57
1751	Exome capture from saliva produces high quality genomic and metagenomic data. 2014 , 15, 262	26
1750	454 pyrosequencing reveals changes in the faecal microbiota of adults consuming <i>Lactobacillus casei</i> Zhang. 2014 , 88, 612-22	51
1749	Spatial heterogeneity and co-occurrence patterns of human mucosal-associated intestinal microbiota. 2014 , 8, 881-93	144
1748	A pilot study on the effect of <i>Lactobacillus casei</i> Zhang on intestinal microbiota parameters in Chinese subjects of different age. 2014 , 5, 295-304	32
1747	The first thousand days - intestinal microbiology of early life: establishing a symbiosis. 2014 , 25, 428-38	187
1746	The role of gut microbes in satisfying the nutritional demands of adult and juvenile wild, black howler monkeys (<i>Alouatta pigra</i>). 2014 , 155, 652-64	66
1745	Rethinking "enterotypes". 2014 , 16, 433-7	234
1744	Members of the human gut microbiota involved in recovery from <i>Vibrio cholerae</i> infection. <i>Nature</i> , 2014 , 515, 423-6	50.4 249
1743	Zinc transport and diabetes risk. 2014 , 46, 323-4	15
1742	Persistent gut microbiota immaturity in malnourished Bangladeshi children. <i>Nature</i> , 2014 , 510, 417-21	50.4 703
1741	Population health: immaturity in the gut microbial community. <i>Nature</i> , 2014 , 510, 344-5	50.4 7
1740	Towards predictive models of the human gut microbiome. 2014 , 426, 3907-16	70

1739	Metabolic self-destruction in critically ill patients: origins, mechanisms and therapeutic principles. 2014 , 30, 261-7	39
1738	Mining the human gut microbiota for effector strains that shape the immune system. 2014 , 40, 815-23	82
1737	Metaproteomics: extracting and mining proteome information to characterize metabolic activities in microbial communities. 2014 , 46, 13.26.1-14	15
1736	Microbial 'old friends', immunoregulation and socioeconomic status. 2014 , 177, 1-12	135
1735	The emergent role of metabolic phenotyping in dynamic patient stratification. 2014 , 10, 915-9	65
1734	Pilot study of diet and microbiota: interactive associations of fibers and polyphenols with human intestinal bacteria. 2014 , 62, 5330-6	62
1733	Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men. 2014 , 8, 2218-30	356
1732	The origins of irritable bowel syndrome: experience of a lifetime. 2014 , 147, 18-20	1
1731	Effect of bacteria used in food industry on the proliferation and cytokine production of epithelial intestinal cellular lines. 2014 , 6, 348-355	10
1730	Molecular dialogue between the human gut microbiota and the host: a Lactobacillus and Bifidobacterium perspective. 2014 , 71, 183-203	188
1729	Deciphering diversity and ecological function from marine metagenomes. 2014 , 227, 107-16	6
1728	Fecal microbiota transplantation: an interview with alexander khoruts. 2014 , 3, 73-80	2
1727	Elucidating the interactions between the human gut microbiota and its host through metabolic modeling. 2014 , 5, 86	63
1726	Deciphering the tfe-tfe between the microbiota and the immune system. 2014 , 124, 4197-203	79
1725	Analysis of the intestinal lumen microbiota in an animal model of colorectal cancer. 2014 , 9, e90849	109
1724	Unrest at home: diarrheal disease and microbiota disturbance. 2014 , 15, 120	4
1723	Localized electron transfer rates and microelectrode-based enrichment of microbial communities within a phototrophic microbial mat. 2014 , 5, 11	25
1722	Exploring the origins of asthma: Lessons from twin studies. 2014 , 1,	10

- 1721 Antimicrobial Peptides and Gut Microbiota in Homeostasis and Pathology. **2014**, 171-218
- 1720 Prebiotics, Faecal Transplants and Microbial Network Units to Stimulate Biodiversity of the Human Gut Microbiome. **2014**, 281-294
- 1719 Use of High-Pressure Homogenization for Improving the Quality and Functionality of Probiotics. **2014**, 292-309
- 1718 [Advanced technologies for the human gut microbiome analysis]. **2014**, 37, 412-22 2
- 1717 Childhood malnutrition: toward an understanding of infections, inflammation, and antimicrobials. **2014**, 35, S64-70 68
- 1716 CUDSwap: Tolerating Memory Exhaustion Failures in Cloud Computing. **2014**,
- 1715 Plant microbiota: implications for human health. **2015**, 114, 1531-2 9
- 1714 The gut microbiome: What do we know?. **2015**, 5, 86-90 6
- 1713 Lactic Acid Bacteria and the Human Intestinal Microbiome. **2015**, 120-133
- 1712 Dietary Yeasts Reduce Inflammation in Central Nerve System via Microflora. **2015**, 2, 56-66 34
- 1711 Development of the infant intestinal microbiome: A bird's eye view of a complex process. **2015**, 105, 228-39 30
- 1710 The influence of the young microbiome on inflammatory diseases--Lessons from animal studies. **2015**, 105, 278-95 18
- 1709 Microbial programming of health and disease starts during fetal life. **2015**, 105, 265-77 77
- 1708 Immunogenetic control of the intestinal microbiota. **2015**, 145, 313-22 35
- 1707 The Human Intestinal Microbiota and Microbiome. **2015**, 617-625
- 1706 Gut bacterial diversity of the tribes of India and comparison with the worldwide data. **2015**, 5, 18563 83
- 1705 DNA microarray analysis reveals that antibiotic resistance-gene diversity in human gut microbiota is age related. **2014**, 4, 4302 41
- 1704 Fecal microbiota imbalance in Mexican children with type 1 diabetes. **2014**, 4, 3814 137

1703	Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification. 2015 , 5, 16498	95
1702	The commensal infant gut meta-mobilome as a potential reservoir for persistent multidrug resistance integrons. 2015 , 5, 15317	24
1701	Application of density gradient for the isolation of the fecal microbial stool component and the potential use thereof. 2015 , 5, 16807	27
1700	Dietary silver nanoparticles can disturb the gut microbiota in mice. 2016 , 13, 38	101
1699	Malabsorption. 2015 , 43-76	
1698	Comparative analyses of fecal microbiota in Tibetan and Chinese Han living at low or high altitude by barcoded 454 pyrosequencing. 2015 , 5, 14682	55
1697	Meta-genomic analysis of toilet waste from long distance flights; a step towards global surveillance of infectious diseases and antimicrobial resistance. 2015 , 5, 11444	51
1696	The role of the gut microbiome in host systems. 2015 , 36, 14	1
1695	Probiotic Bifidobacterium longum alters gut luminal metabolism through modification of the gut microbial community. 2015 , 5, 13548	95
1694	Comparative transcriptomics reveals key differences in the response to milk oligosaccharides of infant gut-associated bifidobacteria. 2015 , 5, 13517	99
1693	Fecal microbiota transplantation broadening its application beyond intestinal disorders. 2015 , 21, 102-11	142
1692	Gut microbiome and liver diseases. 2015 , 411-420	1
1691	Effect of ethnicity and socioeconomic variation to the gut microbiota composition among pre-adolescent in Malaysia. 2015 , 5, 13338	41
1690	Diversity of key players in the microbial ecosystems of the human body. 2015 , 5, 15920	19
1689	Analysis of composition of microbiomes: a novel method for studying microbial composition. 2015 , 26, 27663	717
1688	Uremic Solutes Produced by Colon Microbes. 2015 , 40, 306-11	13
1687	Production of immune response mediators by HT-29 intestinal cell-lines in the presence of Bifidobacterium-treated infant microbiota. 2015 , 6, 543-52	12
1686	Donor Recruitment for Fecal Microbiota Transplantation. 2015 , 21, 1600-6	87

1685	Allergie und das Mikrobiom des Darms [Teil 1. 2015 , 58, 22-26	1
1684	The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children. 2015 , 3, 37	42
1683	Potential association of vacuum cleaning frequency with an altered gut microbiota in pregnant women and their 2-year-old children. 2015 , 3, 65	7
1682	Enhanced differentiation of intraepithelial lymphocytes in the intestine of polymeric immunoglobulin receptor-deficient mice. 2015 , 146, 59-69	9
1681	Gut microbiota and allogeneic transplantation. 2015 , 13, 275	53
1680	Maternal fucosyltransferase 2 status affects the gut bifidobacterial communities of breastfed infants. 2015 , 3, 13	244
1679	Linear growth faltering in infants is associated with <i>Acidaminococcus</i> sp. and community-level changes in the gut microbiota. 2015 , 3, 24	77
1678	Gut resistome development in healthy twin pairs in the first year of life. 2015 , 3, 27	60
1677	Context and the human microbiome. 2015 , 3, 52	58
1676	Variable responses of human and non-human primate gut microbiomes to a Western diet. 2015 , 3, 53	88
1675	Influence and effect of the human microbiome in allergy and asthma. 2015 , 27, 373-80	38
1674	Metaproteomics reveals functional shifts in microbial and human proteins during a preterm infant gut colonization case. 2015 , 15, 3463-73	41
1673	[<i>Lactobacillus acidophilus</i> : a promising tool for the treatment of inflammatory bowel diseases?]. 2015 , 31, 715-7	2
1672	The functional impact of the intestinal microbiome on mucosal immunity and systemic autoimmunity. 2015 , 27, 381-7	48
1671	Gut microbiota diversity predicts immune status in HIV-1 infection. 2015 , 29, 2409-18	182
1670	Characterisation of the faecal metabolome and microbiome of Thoroughbred racehorses. 2015 , 47, 580-6	37
1669	<i>Lactobacillus rhamnosus</i> GG Dosage Affects the Adjuvanticity and Protection Against Rotavirus Diarrhea in Gnotobiotic Pigs. 2015 , 60, 834-43	26
1668	Should infants cry over spilled milk? Fecal glycomics as an indicator of a healthy infant gut microbiome. 2015 , 60, 695	4

1667	Gut colonization with methanobrevibacter smithii is associated with childhood weight development. 2015 , 23, 2508-16	35
1666	Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed. 2015 , 60, 825-33	152
1665	Wireless capsule endoscopy of the small intestine in children. 2015 , 60, 696-701	11
1664	Chemotherapy-driven dysbiosis in the intestinal microbiome. 2015 , 42, 515-28	223
1663	The pediatric microbiome and the lung. 2015 , 27, 348-55	21
1662	On the origin of species: Factors shaping the establishment of infant's gut microbiota. 2015 , 105, 240-51	48
1661	Colonic bacterial composition in Parkinson's disease. 2015 , 30, 1351-60	607
1660	Reciprocal interaction of diet and microbiome in inflammatory bowel diseases. 2015 , 31, 464-70	25
1659	Distinctive Intestinal Lactobacillus Communities in 6-Month-Old Infants From Rural Malawi and Southwestern Finland. 2015 , 61, 641-8	12
1658	Towards large-cohort comparative studies to define the factors influencing the gut microbial community structure of ASD patients. 2015 , 26, 26555	13
1657	Microbial Forensics?. 2015 ,	1
1656	Mycobiota: Micro-Eukaryotes Inhabiting Our Body as Commensals or Opportunistic Pathogens. 2015 , 05,	2
1655	Ecology and Evolution of the Human Microbiota: Fire, Farming and Antibiotics. 2015 , 6, 841-57	48
1654	Intrinsic association between diet and the gut microbiome: current evidence. 2015 , 7, 69-76	10
1653	Etiology of Autism the Complexity of Risk Factors in Autism Spectrum Disorder. 2015 ,	6
1652	A Molecular Perspective of Microbial Pathogenicity. 2015 , 1-10.e2	2
1651	Contribution of diet to the composition of the human gut microbiota. 2015 , 26, 26164	227
1650	Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. 2015 , 6, 512	101

1649	Milk- and solid-feeding practices and daycare attendance are associated with differences in bacterial diversity, predominant communities, and metabolic and immune function of the infant gut microbiome. 2015 , 5, 3	135
1648	Metagenomics: A New Way to Illustrate the Crosstalk between Infectious Diseases and Host Microbiome. 2015 , 16, 26263-79	18
1647	The impact of diet and lifestyle on gut microbiota and human health. 2014 , 7, 17-44	770
1646	Association of polyphenols from oranges and apples with specific intestinal microorganisms in systemic lupus erythematosus patients. 2015 , 7, 1301-17	47
1645	Mechanisms of Microbe-Host Interaction in Crohn's Disease: Dysbiosis vs. Pathobiont Selection. 2015 , 6, 555	51
1644	Interaction of Intestinal Microorganisms with the Human Host in the Framework of Autoimmune Diseases. 2015 , 6, 594	21
1643	Exploring the avian gut microbiota: current trends and future directions. 2015 , 6, 673	139
1642	Human microbiomes and their roles in dysbiosis, common diseases, and novel therapeutic approaches. 2015 , 6, 1050	178
1641	Disruptions of the intestinal microbiome in necrotizing enterocolitis, short bowel syndrome, and Hirschsprung's associated enterocolitis. 2015 , 6, 1154	15
1640	Comparative Gut Microbiota of 59 Neotropical Bird Species. 2015 , 6, 1403	123
1639	The human neonatal gut microbiome: a brief review. 2015 , 3, 17	153
1638	Longitudinal Microbiome Data Analysis. 2015 , 97-111	4
1637	Characterization of the gut microbiota of Papua New Guineans using reverse transcription quantitative PCR. 2015 , 10, e0117427	19
1636	Longitudinal analysis of the premature infant intestinal microbiome prior to necrotizing enterocolitis: a case-control study. 2015 , 10, e0118632	103
1635	The gut microbiota composition in dichorionic triplet sets suggests a role for host genetic factors. 2015 , 10, e0122561	27
1634	Patterns of gut bacterial colonization in three primate species. 2015 , 10, e0124618	37
1633	Exercise is More Effective at Altering Gut Microbial Composition and Producing Stable Changes in Lean Mass in Juvenile versus Adult Male F344 Rats. 2015 , 10, e0125889	106
1632	Archaea in and on the Human Body: Health Implications and Future Directions. 2015 , 11, e1004833	77

1631	Early-Life Exposure to Antibiotics, Alterations in the Intestinal Microbiome, and Risk of Metabolic Disease in Children and Adults. 2015 , 44, e265-9	41
1630	Neutral Models of Microbiome Evolution. 2015 , 11, e1004365	35
1629	Esophageal microbiome in eosinophilic esophagitis. 2015 , 10, e0128346	102
1628	Obesity Alters the Microbial Community Profile in Korean Adolescents. 2015 , 10, e0134333	85
1627	Methods for Improving Human Gut Microbiome Data by Reducing Variability through Sample Processing and Storage of Stool. 2015 , 10, e0134802	158
1626	Alterations in the Colonic Microbiota of Pigs Associated with Feeding Distillers Dried Grains with Solubles. 2015 , 10, e0141337	18
1625	Global Profiling of Carbohydrate Active Enzymes in Human Gut Microbiome. 2015 , 10, e0142038	48
1624	Seasonal Shifts in Diet and Gut Microbiota of the American Bison (<i>Bison bison</i>). 2015 , 10, e0142409	64
1623	A Longitudinal Study of the Feline Faecal Microbiome Identifies Changes into Early Adulthood Irrespective of Sexual Development. 2015 , 10, e0144881	35
1622	Risks of Antibiotic Exposures Early in Life on the Developing Microbiome. 2015 , 11, e1004903	65
1621	Diet, Microbiota and Immune System in Type 1 Diabetes Development and Evolution. 2015 , 7, 9171-84	64
1620	Role of the normal gut microbiota. 2015 , 21, 8787-803	1021
1619	The unfolded protein response, inflammation, oscillators, and disease: a systems biology approach. 2015 , 2,	0
1618	Social networks predict gut microbiome composition in wild baboons. 2015 , 4,	294
1617	The effects of <i>Bifidobacterium breve</i> on immune mediators and proteome of HT29 cells monolayers. 2015 , 2015, 479140	19
1616	Bacteria bonanza found in remote Amazon village. <i>Nature</i> , 2015 ,	50.4
1615	Gut bacteria in children with autism spectrum disorders: challenges and promise of studying how a complex community influences a complex disease. 2015 , 26, 26914	70
1614	. 2015 ,	10

1613	The Human Microbiome of Local Body Sites and Their Unique Biology. 2015 , 11-18	0
1612	Wilson disease: a matter of copper, but also of zinc. 2015 , 60, 423-4	7
1611	Diversity in gut bacterial community of school-age children in Asia. 2015 , 5, 8397	159
1610	Application of metagenomics in the human gut microbiome. 2015 , 21, 803-14	204
1609	Clinical applications of bioactive milk components. 2015 , 73, 463-76	75
1608	Microbiota at Multiple Body Sites during Pregnancy in a Rural Tanzanian Population and Effects of Moringa-Supplemented Probiotic Yogurt. 2015 , 81, 4965-75	57
1607	Cervicovaginal bacteria are a major modulator of host inflammatory responses in the female genital tract. 2015 , 42, 965-76	343
1606	The bamboo-eating giant panda harbors a carnivore-like gut microbiota, with excessive seasonal variations. 2015 , 6, e00022-15	142
1605	Production of biologically active scFv and VHH antibody fragments in <i>Bifidobacterium longum</i> . 2015 , 362, fnv083	12
1604	The composition of the gut microbiota throughout life, with an emphasis on early life. 2015 , 26, 26050	505
1603	Novel players in coeliac disease pathogenesis: role of the gut microbiota. 2015 , 12, 497-506	136
1602	Multiscale analysis of the murine intestine for modeling human diseases. 2015 , 7, 740-57	5
1601	Prokaryotic nucleotide composition is shaped by both phylogeny and the environment. 2015 , 7, 1380-9	47
1600	The gut microbiome and childhood obesity: connecting the dots. 2015 , 11, 227-30	3
1599	Comparison of the gut microbiomes of 12 bony fish and 3 shark species. 2015 , 518, 209-223	177
1598	The gut microbiota and liver disease. 2015 , 1, 275-284	104
1597	Unraveling the environmental and genetic interactions in atherosclerosis: Central role of the gut microbiota. 2015 , 241, 387-99	55
1596	Marked seasonal variation in the wild mouse gut microbiota. 2015 , 9, 2423-34	173

1595	Metabolomics and Milk: The Development of the Microbiota in Breastfed Infants. 2015 , 147-167	3
1594	Microbiota and mucosal immunity in amphibians. 2015 , 6, 111	74
1593	Development and Physiology of the Intestinal Mucosal Defense. 2015 , 9-29	6
1592	Microbiota and Host Nutrition across Plant and Animal Kingdoms. 2015 , 17, 603-16	373
1591	Acute cholecystitis associated with infection of Enterobacteriaceae from gut microbiota. 2015 , 21, 851.e1-9	28
1590	Modulation of the faecal microbiome of healthy adult dogs by inclusion of potato fibre in the diet. 2015 , 113, 125-33	58
1589	Intestinal dysbiosis in children with short bowel syndrome is associated with impaired outcome. 2015 , 3, 18	85
1588	Elucidating microbial codes to distinguish individuals. 2015 , 112, 6778-9	5
1587	Loss of Microbiome Ecological Niches and Diversity by Global Change and Trophic Downgrading. 2015 , 89-113	3
1586	Human seroreactivity to gut microbiota antigens. 2015 , 136, 1378-86.e1-5	29
1585	The human microbiome in hematopoiesis and hematologic disorders. 2015 , 126, 311-8	52
1584	Probiotics, antibiotics and the immune responses to vaccines. 2015 , 370,	39
1583	The microbiome and autoimmune disease: Report from a Noel R. Rose Colloquium. 2015 , 159, 183-8	14
1582	Gut microbial succession follows acute secretory diarrhea in humans. 2015 , 6, e00381-15	104
1581	The newest "omics"--metagenomics and metabolomics--enter the battle against the neglected tropical diseases. 2015 , 9, e0003382	32
1580	Lungs, microbes and the developing neonate. 2015 , 107, 337-43	18
1579	Autoimmune blistering diseases in females: a review. 2015 , 1, 4-12	19
1578	Environment, dysbiosis, immunity and sex-specific susceptibility: a translational hypothesis for regressive autism pathogenesis. 2015 , 18, 145-61	44

1577	New insight into the gut microbiome through metagenomics. 2015 , 77	7
1576	Metagenomic cross-talk: the regulatory interplay between immunogenomics and the microbiome. 2015 , 7, 120	48
1575	Creating Healthier Microbiomes, from Conception to Childhood: A Clinical Conversation with Geeta Maker-Clark, MD, and Robert Rountree, MD. 2015 , 21, 189-193	
1574	The Microbiome, Intestinal Function, and Arginine Metabolism of Healthy Indian Women Are Different from Those of American and Jamaican Women. 2015 , 146, 706-713	22
1573	Microbes central to human reproduction. 2015 , 73, 1-11	31
1572	Review article: dietary fibre-microbiota interactions. 2015 , 42, 158-79	288
1571	Early-life influences on obesity: from preconception to adolescence. 2015 , 1347, 1-28	29
1570	Having older siblings is associated with gut microbiota development during early childhood. 2015 , 15, 154	69
1569	Beneficial Microorganisms in Medical and Health Applications. 2015 ,	5
1568	Feeding the brain and nurturing the mind: Linking nutrition and the gut microbiota to brain development. 2015 , 112, 14105-12	98
1567	Gut Microbiome Diversity among Cheyenne and Arapaho Individuals from Western Oklahoma. 2015 , 25, 3161-9	39
1566	SCFA Producing Gut Microbiota and its Effects on the Epigenetic Regulation of Inflammation. 2015 , 181-197	1
1565	Applications of species accumulation curves in large-scale biological data analysis. 2015 , 3, 135-144	29
1564	Which games are growing bacterial populations playing?. 2015 , 12, 20150121	37
1563	Human Milk Oligosaccharides (HMOS): Structure, Function, and Enzyme-Catalyzed Synthesis. 2015 , 72, 113-90	90
1562	The human microbiome, asthma, and allergy. 2015 , 11, 35	76
1561	Metagenomics: A Systemic Approach to Explore Microbial World. 2015 , 281-298	
1560	Possible role of the microbiome in the development of acute malnutrition and implications for food-based strategies to prevent and treat acute malnutrition. 2015 , 36, S72-5	7

1559	Breastfeeding and adult intelligence - Authors' reply. 2015 , 3, e522	2
1558	Microbial Factories. 2015 ,	1
1557	Predicting the Metagenomics Content with Multiple CART Trees. 2015 , 145-160	1
1556	Contentious host-microbiota relationship in inflammatory bowel disease--can foes become friends again?. 2015 , 50, 34-42	25
1555	Ancient human microbiomes. 2015 , 79, 125-36	90
1554	The gut microbiota and inflammatory noncommunicable diseases: associations and potentials for gut microbiota therapies. 2015 , 135, 3-13; quiz 14	170
1553	The impact of the milk glyco biome on the neonate gut microbiota. 2015 , 3, 419-45	121
1552	Symbiosis, dysbiosis, and rebiosis-the value of metaproteomics in human microbiome monitoring. 2015 , 15, 1142-51	23
1551	Gut Microbiota and Their Regulation. 2015 , 293-304	1
1550	Early life events influence whole-of-life metabolic health via gut microflora and gut permeability. 2015 , 41, 326-40	72
1549	The role of IL-10 in microbiome-associated immune modulation and disease tolerance. 2015 , 75, 291-301	22
1548	Fecal microbiota transplantation for the management of Clostridium difficile infection. 2015 , 29, 109-22	50
1547	GrammR: graphical representation and modeling of count data with application in metagenomics. 2015 , 31, 1648-54	10
1546	A phylo-functional core of gut microbiota in healthy young Chinese cohorts across lifestyles, geography and ethnicities. 2015 , 9, 1979-90	231
1545	Stability of gut enterotypes in Korean monozygotic twins and their association with biomarkers and diet. 2014 , 4, 7348	76
1544	Dynamics of infant gut microbiota are influenced by delivery mode and gestational duration and are associated with subsequent adiposity. 2015 , 6,	200
1543	Distinct gut microbiota of healthy children from two different geographic regions of Thailand. 2015 , 197, 561-73	32
1542	Prewaning modulation of intestinal microbiota by oligosaccharides or amoxicillin can contribute to programming of adult microbiota in rats. 2015 , 31, 515-22	24

1541	Metabolomic analysis of human fecal microbiota: a comparison of feces-derived communities and defined mixed communities. 2015 , 14, 1472-82	48
1540	Microbiome Community Ecology. 2015 ,	10
1539	Growth promotion and gut microbiota: insights from antibiotic use. 2015 , 17, 2216-27	37
1538	Intestinal microbiota and diet in IBS: causes, consequences, or epiphenomena?. 2015 , 110, 278-87	225
1537	Prepartum and postpartum rumen fluid microbiomes: characterization and correlation with production traits in dairy cows. 2015 , 81, 1327-37	109
1536	Gut microbial metabolism and colon cancer: can manipulations of the microbiota be useful in the management of gastrointestinal health?. 2015 , 37, 403-12	34
1535	Infant gut microbiota and food sensitization: associations in the first year of life. 2015 , 45, 632-43	237
1534	The gut microbial endocrine organ: bacterially derived signals driving cardiometabolic diseases. 2015 , 66, 343-59	240
1533	The infant microbiome development: mom matters. 2015 , 21, 109-17	515
1532	The dynamics of the human infant gut microbiome in development and in progression toward type 1 diabetes. 2015 , 17, 260-73	639
1531	The influence of diet on the gut microbiota and its consequences for health. 2015 , 32, 195-199	108
1530	Sex-based differences in immune function and responses to vaccination. 2015 , 109, 9-15	280
1529	Mammalian gastrointestinal tract parameters modulating the integrity, surface properties, and absorption of food-relevant nanomaterials. 2015 , 7, 609-22	77
1528	How informative is the mouse for human gut microbiota research?. 2015 , 8, 1-16	691
1527	Whole-grain wheat consumption reduces inflammation in a randomized controlled trial on overweight and obese subjects with unhealthy dietary and lifestyle behaviors: role of polyphenols bound to cereal dietary fiber. 2015 , 101, 251-61	198
1526	The changing epidemiology of inflammatory bowel disease: identifying new high-risk populations. 2015 , 13, 690-2	3
1525	Microbial activities and intestinal homeostasis: A delicate balance between health and disease. 2015 , 1, 28-40	98
1524	Identifying strains that contribute to complex diseases through the study of microbial inheritance. 2015 , 112, 633-40	48

1523	Similarities and seasonal variations in bacterial communities from the blood of rodents and from their flea vectors. 2015 , 9, 1662-76	21
1522	Metabonomics and Gut Microbiota in Nutrition and Disease. 2015 ,	2
1521	The microbiome of the urinary tract--a role beyond infection. 2015 , 12, 81-90	318
1520	Food, immunity, and the microbiome. 2015 , 148, 1107-19	193
1519	The power in numbers: gut microbiota in Parkinson's disease. 2015 , 30, 296-8	19
1518	The intestinal microbiota: its role in health and disease. 2015 , 174, 151-67	102
1517	Linking fat intake, the intestinal microbiome, and necrotizing enterocolitis in premature infants. 2015 , 77, 121-6	12
1516	The role of the gut microbiome in the healthy adult status. 2015 , 451, 97-102	232
1515	The cutaneous microbiome in outpatients presenting with acute skin abscesses. 2015 , 211, 1895-904	16
1514	Spatial variation of the colonic microbiota in patients with ulcerative colitis and control volunteers. 2015 , 64, 1553-61	154
1513	Microbes and B cell development. 2015 , 125, 155-78	19
1512	Biogeography of the intestinal mucosal and luminal microbiome in the rhesus macaque. 2015 , 17, 385-391	185
1511	The human microbiome: opportunities and challenges for clinical care. 2015 , 45, 889-98	6
1510	The Human Microbiota and Pathogen Interactions. 2015 , 347-356	1
1509	Bifidobacteria strains isolated from stools of iron deficient infants can efficiently sequester iron. 2015 , 15, 3	32
1508	Dietary effects on human gut microbiome diversity. 2015 , 113 Suppl, S1-5	256
1507	Human gut microbiota: does diet matter?. 2015 , 74, 23-36	88
1506	Dietary iron depletion at weaning imprints low microbiome diversity and this is not recovered with oral Nano Fe(III). 2015 , 4, 12-27	34

1505	Early colonizing <i>Escherichia coli</i> elicits remodeling of rat colonic epithelium shifting toward a new homeostatic state. 2015 , 9, 46-58	24
1504	Obesity and the microbiome. 2015 , 9, 1087-99	86
1503	Fecal Microbiota in Healthy Subjects Following Omnivore, Vegetarian and Vegan Diets: Culturable Populations and rRNA DGGE Profiling. 2015 , 10, e0128669	59
1502	Specific gut microbiota features and metabolic markers in postmenopausal women with obesity. 2015 , 5, e159	134
1501	The Gut Microbiome of Wild Lemurs: A Comparison of Sympatric <i>Lemur catta</i> and <i>Propithecus verreauxi</i> . 2015 , 86, 85-95	37
1500	Biological control in the microbiome era: Challenges and opportunities. 2015 , 89, 98-108	93
1499	Antibiotics and the developing infant gut microbiota and resistome. 2015 , 27, 51-6	120
1498	The gut microbiota in human energy homeostasis and obesity. 2015 , 26, 493-501	253
1497	Immunopathology of multiple sclerosis. 2015 , 15, 545-58	1109
1496	Toolbox Approaches Using Molecular Markers and 16S rRNA Gene Amplicon Data Sets for Identification of Fecal Pollution in Surface Water. 2015 , 81, 7067-77	55
1495	The oral and gut microbiomes are perturbed in rheumatoid arthritis and partly normalized after treatment. 2015 , 21, 895-905	849
1494	Upregulation of colonic luminal polyamines produced by intestinal microbiota delays senescence in mice. 2014 , 4, 4548	139
1493	Microbiology and ecology are vitally important to premedical curricula. 2015 , 2015, 179-92	4
1492	Reticulate Evolution. 2015 ,	14
1491	Lactation and Intestinal Microbiota: How Early Diet Shapes the Infant Gut. 2015 , 20, 149-58	39
1490	Ranking the impact of human health disorders on gut metabolism: systemic lupus erythematosus and obesity as study cases. 2015 , 5, 8310	56
1489	The dormant blood microbiome in chronic, inflammatory diseases. 2015 , 39, 567-91	236
1488	Metagenomics of the human intestinal tract: from who is there to what is done there. 2015 , 4, 64-68	8

1487	Metabolome progression during early gut microbial colonization of gnotobiotic mice. 2015 , 5, 11589	24
1486	A model for the induction of autism in the ecosystem of the human body: the anatomy of a modern pandemic?. 2015 , 26, 26253	17
1485	The establishment of the infant intestinal microbiome is not affected by rotavirus vaccination. 2014 , 4, 7417	15
1484	Dynamic distribution of the gut microbiota and the relationship with apparent crude fiber digestibility and growth stages in pigs. 2015 , 5, 9938	198
1483	A Nutritional Anthropology of the Human Gut Microbiota. 2015 , 17-26	
1482	Differential Decay of Wastewater Bacteria and Change of Microbial Communities in Beach Sand and Seawater Microcosms. 2015 , 49, 8531-40	41
1481	Evidence that asthma is a developmental origin disease influenced by maternal diet and bacterial metabolites. 2015 , 6, 7320	474
1480	Alterations in Intestinal Microbiota Correlate With Susceptibility to Type 1 Diabetes. 2015 , 64, 3510-20	170
1479	Can we change our microbiome to prevent colorectal cancer development?. 2015 , 54, 1085-95	13
1478	Mining microbial metatranscriptomes for expression of antibiotic resistance genes under natural conditions. 2015 , 5, 11981	41
1477	Gut Microbiome: Westernization and the Disappearance of Intestinal Diversity. 2015 , 25, R611-3	109
1476	Developmental Regulation of Drug-Processing Genes in Livers of Germ-Free Mice. 2015 , 147, 84-103	58
1475	Trimethylamine-N-oxide: A Novel Biomarker for the Identification of Inflammatory Bowel Disease. 2015 , 60, 3620-30	39
1474	Engineering the Microbiome: a Novel Approach to Immunotherapy for Allergic and Immune Diseases. 2015 , 15, 39	12
1473	A Post-Genomic View of the Ecophysiology, Catabolism and Biotechnological Relevance of Sulphate-Reducing Prokaryotes. 2015 , 66, 55-321	150
1472	Potential role of the intestinal microbiota in programming health and disease. 2015 , 73 Suppl 1, 32-40	156
1471	Insights into the pan-microbiome: skin microbial communities of Chinese individuals differ from other racial groups. 2015 , 5, 11845	73
1470	Evolution of the Human Microbiome and Impacts on Human Health, Infectious Disease, and Hominid Evolution. 2015 , 231-253	2

1469	Bakterien Ihre Entdeckung und Bedeutung ff.Natur und Mensch. 2015 ,	2
1468	The relationship between phenolic compounds from diet and microbiota: impact on human health. 2015 , 6, 2424-39	140
1467	Preterm infant gut colonization in the neonatal ICU and complete restoration 2 years later. 2015 , 21, 936.e1-10	41
1466	Metabolic and metagenomic outcomes from early-life pulsed antibiotic treatment. 2015 , 6, 7486	232
1465	Heterogeneity of autoimmune diseases: pathophysiologic insights from genetics and implications for new therapies. 2015 , 21, 730-8	151
1464	Modeling the impact of antibiotic exposure on human microbiota. 2014 , 4, 4345	52
1463	16S rRNA gene-based profiling of the human infant gut microbiota is strongly influenced by sample processing and PCR primer choice. 2015 , 3, 26	153
1462	Explaining diversity in metagenomic datasets by phylogenetic-based feature weighting. 2015 , 11, e1004186	17
1461	Differences in the faecal microbiome of non-diarrhoeic clinically healthy dogs and cats associated with <i>Giardia duodenalis</i> infection: impact of hookworms and coccidia. 2015 , 45, 585-94	46
1460	Ecological effects of combined pollution associated with e-waste recycling on the composition and diversity of soil microbial communities. 2015 , 49, 6438-47	114
1459	The Good, the Bad, and the Unknown: Microbial Symbioses of the American Alligator. 2015 , 55, 972-85	14
1458	A day in the life of the meta-organism: diurnal rhythms of the intestinal microbiome and its host. 2015 , 6, 137-42	40
1457	Dynamic efficiency of the human intestinal microbiota. 2015 , 41, 165-71	28
1456	In vitro modulation of tumor necrosis factor α production in THP-1 cells by lactic acid bacteria isolated from healthy human infants. 2015 , 33, 109-16	8
1455	Type 1 diabetes and gut microbiota: Friend or foe?. 2015 , 98, 9-15	36
1454	Helsinki alert of biodiversity and health. 2015 , 47, 218-25	79
1453	Evaluating variation in human gut microbiota profiles due to DNA extraction method and inter-subject differences. 2015 , 6, 130	112
1452	The microbiome of uncontacted Amerindians. 2015 , 1,	517

1451	Complete Genome Sequence of Bifidobacterium longum GT15: Identification and Characterization of Unique and Global Regulatory Genes. 2015 , 70, 819-34	15
1450	Application of Meta-Mesh on the analysis of microbial communities from human associated-habitats. 2015 , 3, 4-18	2
1449	Quality control of microbiota metagenomics by k-mer analysis. 2015 , 16, 183	12
1448	Unraveling the Hygiene Hypothesis of helminthes and autoimmunity: origins, pathophysiology, and clinical applications. 2015 , 13, 81	100
1447	MUSiCC: a marker genes based framework for metagenomic normalization and accurate profiling of gene abundances in the microbiome. 2015 , 16, 53	54
1446	The gut microbiome in cardio-metabolic health. 2015 , 7, 33	78
1445	Deciphering chicken gut microbial dynamics based on high-throughput 16S rRNA metagenomics analyses. 2015 , 7, 4	155
1444	Natural environments, ancestral diets, and microbial ecology: is there a modern "paleo-deficit disorder"? Part II. 2015 , 34, 9	18
1443	16S gut community of the Cameron County Hispanic Cohort. 2015 , 3, 7	38
1442	Kinship, inbreeding and fine-scale spatial structure influence gut microbiota in a hindgut-fermenting tortoise. 2015 , 24, 2521-36	59
1441	Type 2 diabetes and gut microbiome: at the intersection of known and unknown. 2015 , 6, 85-92	68
1440	Birth of the infant gut microbiome: moms deliver twice!. 2015 , 17, 543-4	12
1439	Comparison of the gut microbiota of people in France and Saudi Arabia. 2015 , 5, e153	57
1438	Metagenome Sequencing of the Hadza Hunter-Gatherer Gut Microbiota. 2015 , 25, 1682-93	218
1437	Gut microbiome compositional and functional differences between tumor and non-tumor adjacent tissues from cohorts from the US and Spain. 2015 , 6, 161-72	63
1436	Resistant starch diet induces change in the swine microbiome and a predominance of beneficial bacterial populations. 2015 , 3, 16	87
1435	Archaeal Lineages within the Human Microbiome: Absent, Rare or Elusive?. 2015 , 5, 1333-45	37
1434	Dynamics and Stabilization of the Human Gut Microbiome during the First Year of Life. 2015 , 17, 690-703	1367

1433	Microbiota in allergy and asthma and the emerging relationship with the gut microbiome. 2015 , 17, 592-602	242
1432	An integrative view of microbiome-host interactions in inflammatory bowel diseases. 2015 , 17, 577-91	178
1431	Antibiotics, pediatric dysbiosis, and disease. 2015 , 17, 553-64	305
1430	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. 2015 , 7, 276ra24	213
1429	Subsistence strategies in traditional societies distinguish gut microbiomes. 2015 , 6, 6505	304
1428	Cultivating healthy growth and nutrition through the gut microbiota. 2015 , 161, 36-48	104
1427	Sewage reflects the microbiomes of human populations. 2015 , 6, e02574	153
1426	Gut Microbiota and Metabolic Diseases: From Pathogenesis to Therapeutic Perspective. 2015 , 199-234	5
1425	Inflammaging and cancer: a challenge for the Mediterranean diet. 2015 , 7, 2589-621	117
1424	Identifying personal microbiomes using metagenomic codes. 2015 , 112, E2930-8	270
1423	Gut microbiome and innate immune response patterns in IgE-associated eczema. 2015 , 45, 1419-29	84
1422	Obesity and the gastrointestinal microbiota: a review of associations and mechanisms. 2015 , 73, 376-85	84
1421	Burdening questions about Clostridium difficile in pediatric inflammatory bowel diseases. 2015 , 60, 421-2	8
1420	Functional impacts of the intestinal microbiome in the pathogenesis of inflammatory bowel disease. 2015 , 21, 139-53	79
1419	GiECAT(KIDS) validated pediatric colonoscopy assessment tool: a call to action. 2015 , 60, 425-7	5
1418	Associations between Gut Microbial Colonization in Early Life and Respiratory Outcomes in Cystic Fibrosis. 2015 , 167, 138-47.e1-3	88
1417	The gut microbiome and diet in psychiatry: focus on depression. 2015 , 28, 1-6	207
1416	Mucosal inflammation, esophageal eosinophilia, and celiac disease: a little "pinch" will have to do you. 2015 , 60, 427-8	2

1415 Extending supplementary nutrition in malnutrition: more is better?. **2015**, 60, 424-5

1414 Microbiota regulation of the Mammalian gut-brain axis. **2015**, 91, 1-62 159

1413 Fate, activity, and impact of ingested bacteria within the human gut microbiota. **2015**, 23, 354-66 322

1412 Why is initial bacterial colonization of the intestine important to infants' and children's health?. **2015**, 60, 294-307 175

1411 Implantation du microbiote intestinal chez l'enfant : ontogénèse d'une niche écologique. **2015**, 2015, 27-35

1410 Novel microbiome-based therapeutics for chronic rhinosinusitis. **2015**, 15, 504 29

1409 Bowel preparation for colonoscopy: relevant for the gut's microbiota?. **2015**, 64, 1504-5 2

1408 Inflammation and Nutritional Science for Programs/Policies and Interpretation of Research Evidence (INSPIRE). **2015**, 145, 1039S-1108S 134

1407 The human gut microbiome, a taxonomic conundrum. **2015**, 38, 276-86 82

1406 A social-ecological approach to landscape epidemiology: geographic variation and avian influenza. **2015**, 30, 963-985 11

1405 Repeated exposure to antibiotics in infancy: a predisposing factor for juvenile idiopathic arthritis or a sign of this group's greater susceptibility to infections?. **2015**, 42, 521-6 49

1404 Gut microbiome composition and metabolomic profiles of wild western lowland gorillas (*Gorilla gorilla gorilla*) reflect host ecology. **2015**, 24, 2551-65 125

1403 Locally sourced probiotics, the next opportunity for developing countries?. **2015**, 33, 197-200 35

1402 Epithelial cell contributions to intestinal immunity. **2015**, 126, 129-72 70

1401 Can inflammatory bowel disease be permanently treated with short-term interventions on the microbiome?. **2015**, 9, 781-95 36

1400 Early infancy microbial and metabolic alterations affect risk of childhood asthma. **2015**, 7, 307ra152 893

1399 Regulators of gut motility revealed by a gnotobiotic model of diet-microbiome interactions related to travel. **2015**, 163, 95-107 124

1398 Administration of *Lactobacillus helveticus* NS8 improves behavioral, cognitive, and biochemical aberrations caused by chronic restraint stress. **2015**, 310, 561-77 353

1397	Asthma: Undoing millions of years of coevolution in early life?. 2015 , 7, 307fs39	14
1396	Sex Differences in the Immune Response. 2015 , 1-29	3
1395	The gut microbiota of rural papua new guineans: composition, diversity patterns, and ecological processes. 2015 , 11, 527-38	342
1394	Host genetic variation impacts microbiome composition across human body sites. 2015 , 16, 191	428
1393	Antibiotics in neonatal life increase murine susceptibility to experimental psoriasis. 2015 , 6, 8424	85
1392	Comparison of the gut microbiota composition between obese and non-obese individuals in a Japanese population, as analyzed by terminal restriction fragment length polymorphism and next-generation sequencing. 2015 , 15, 100	259
1391	Impact of Gut Microbiota on Obesity, Diabetes, and Cardiovascular Disease Risk. 2015 , 17, 120	93
1390	Plasma endotoxin core antibody concentration and linear growth are unrelated in rural Malawian children aged 2-5 years. 2015 , 8, 258	12
1389	Absence of myeloperoxidase and CD8 positive cells in colorectal cancer infiltrates identifies patients with severe prognosis. 2015 , 4, e1050574	14
1388	Structure and function of the healthy pre-adolescent pediatric gut microbiome. 2015 , 3, 36	204
1387	Linking Microbiota to Human Diseases: A Systems Biology Perspective. 2015 , 26, 758-770	98
1386	Bifidobacteria grown on human milk oligosaccharides downregulate the expression of inflammation-related genes in Caco-2 cells. 2015 , 15, 172	52
1385	Frailty and the Microbiome. 2015 , 41, 54-65	9
1384	Early-life establishment of the swine gut microbiome and impact on host phenotypes. 2015 , 7, 554-69	216
1383	Host litter-associated gut dynamics affect Escherichia coli abundance and adhesion genotype in rats. 2015 , 7, 583-9	3
1382	The microbiota and microbiome in aging: potential implications in health and age-related diseases. 2015 , 63, 776-81	163
1381	Community assembly of a euryhaline fish microbiome during salinity acclimation. 2015 , 24, 2537-50	128
1380	Helminths and the microbiota: parts of the hygiene hypothesis. 2015 , 37, 314-23	40

1379	Diet and specific microbial exposure trigger features of environmental enteropathy in a novel murine model. 2015 , 6, 7806	117
1378	Stool microbiota composition is associated with the prospective risk of Plasmodium falciparum infection. 2015 , 16, 631	62
1377	Infectious Gastroenteritis as a Risk Factor for Tropical Sprue and Malabsorption: A Case-Control Study. 2015 , 60, 3379-85	9
1376	Intersections Between Microbiome and Heart Failure: Revisiting the Gut Hypothesis. 2015 , 21, 973-80	118
1375	The Gut Microbiota and Nonalcoholic Fatty Liver Disease. 2015 , 35, 262-9	30
1374	Gut Microbiome: What We Do and Don't Know. 2015 , 30, 734-46	149
1373	[The human microbiome]. 2015 , 140, 1451-6	
1372	Role of the Gut Microbiome in Obesity and Diabetes Mellitus. 2015 , 30, 787-97	135
1371	What is known about the mechanisms of dietary influences in Crohn's disease?. 2015 , 31, 1195-203	5
1370	Drug Metabolism by the Host and Gut Microbiota: A Partnership or Rivalry?. 2015 , 43, 1499-504	100
1369	Diet shapes the gut microbiome of pigs during nursing and weaning. 2015 , 3, 28	255
1368	Variability in the relative human DNA content during metagenomic analysis of gut microbiota. 2015 , 9, 290-295	
1367	Comparison of Sewage and Animal Fecal Microbiomes by Using Oligotyping Reveals Potential Human Fecal Indicators in Multiple Taxonomic Groups. 2015 , 81, 7023-33	45
1366	Prediction of Early Childhood Caries via Spatial-Temporal Variations of Oral Microbiota. 2015 , 18, 296-306	123
1365	Rate of establishing the gut microbiota in infancy has consequences for future health. 2015 , 6, 321-5	64
1364	MICROBIOME. Rethinking heritability of the microbiome. 2015 , 349, 1172-3	71
1363	Characterization and detection of a widely distributed gene cluster that predicts anaerobic choline utilization by human gut bacteria. 2015 , 6,	114
1362	Early life dynamics of the human gut virome and bacterial microbiome in infants. 2015 , 21, 1228-34	332

1361	Investigation of Host-Gut Microbiota Modulation of Therapeutic Outcome. 2015 , 43, 1619-31	31
1360	The intestinal microbiome in human disease and how it relates to arthritis and spondyloarthritis. 2015 , 29, 202-12	26
1359	New developments providing mechanistic insight into the impact of the microbiota on allergic disease. 2015 , 159, 170-6	30
1358	Microbe-associated immunomodulatory metabolites: Influence on T cell fate and function. 2015 , 68, 575-84	21
1357	Gut DNA viromes of Malawian twins discordant for severe acute malnutrition. 2015 , 112, 11941-6	189
1356	The Intestinal Microbiota in Inflammatory Bowel Disease. 2015 , 56, 192-204	111
1355	Responses in ileal and cecal bacteria to low and high amylose/amylopectin ratio diets in growing pigs. 2015 , 99, 10627-38	20
1354	Metabolic labeling puts the microbiome under the microscope. 2015 , 21, 977-8	3
1353	Gut Microbiome Composition in Young Nicaraguan Children During Diarrhea Episodes and Recovery. 2015 , 93, 1187-93	20
1352	Gut Microbiome and the Development of Food Allergy and Allergic Disease. 2015 , 62, 1479-92	47
1351	<i>Candida albicans</i> commensalism in the gastrointestinal tract. 2015 , 15,	81
1350	Potential Etiologic Factors of Microbiome Disruption in Autism. 2015 , 37, 976-83	35
1349	Mathematical Models in Biology. 2015 ,	1
1348	Sex and Gender Impact Immune Responses to Vaccines Among the Elderly. 2015 , 30, 408-16	63
1347	<i>Faecalibaculum rodentium</i> gen. nov., sp. nov., isolated from the faeces of a laboratory mouse. 2015 , 108, 1309-1318	32
1346	Probiotic Microorganisms for Shaping the Human Gut Microbiota [Mechanisms and Efficacy into the Future. 2015 , 27-40	
1345	Standardised animal models of host microbial mutualism. 2015 , 8, 476-86	94
1344	Bacteria-bacteria interactions within the microbiota of the ancestral metazoan Hydra contribute to fungal resistance. 2015 , 9, 1543-56	112

1343	Early childhood gut microbiomes show strong geographic differences among subjects at high risk for type 1 diabetes. 2015 , 38, 329-32	63
1342	Effects of the gut microbiota on bone mass. 2015 , 26, 69-74	120
1341	Intra- and interindividual variations mask interspecies variation in the microbiota of sympatric peromyscus populations. 2015 , 81, 396-404	43
1340	Diet dominates host genotype in shaping the murine gut microbiota. 2015 , 17, 72-84	658
1339	Ancient and modern environmental DNA. 2015 , 370, 20130383	184
1338	Safety assessment of genetically modified rice expressing human serum albumin from urine metabonomics and fecal bacterial profile. 2015 , 76, 1-10	11
1337	Gut microbiota are related to Parkinson's disease and clinical phenotype. 2015 , 30, 350-8	973
1336	The known, the unknown and the unknowable: weaning times from archaeological bones using nitrogen isotope ratios. 2015 , 53, 618-625	72
1335	Fiber supplementation influences phylogenetic structure and functional capacity of the human intestinal microbiome: follow-up of a randomized controlled trial. 2015 , 101, 55-64	93
1334	Antibiotics in early life and obesity. 2015 , 11, 182-90	311
1333	Does the microbiota play a role in the pathogenesis of autoimmune diseases?. 2015 , 64, 332-41	134
1332	Hygiene and other early childhood influences on the subsequent function of the immune system. 2015 , 1617, 47-62	64
1331	The gut microbiota and its role in the development of allergic disease: a wider perspective. 2015 , 45, 43-53	134
1330	Cellular metabolism in colorectal carcinogenesis: Influence of lifestyle, gut microbiome and metabolic pathways. 2015 , 356, 273-80	41
1329	A single genus in the gut microbiome reflects host preference and specificity. 2015 , 9, 90-100	105
1328	Gut microbiota and allergy: the importance of the pregnancy period. 2015 , 77, 214-9	79
1327	Novel opportunities for the exploitation of host-microbiome interactions in the intestine. 2015 , 32, 28-34	12
1326	Immune homeostasis, dysbiosis and therapeutic modulation of the gut microbiota. 2015 , 179, 363-77	177

1325	Altered metabolism of gut microbiota contributes to chronic immune activation in HIV-infected individuals. 2015 , 8, 760-72	173
1324	Bacterial community composition and fermentation patterns in the rumen of sika deer (<i>Cervus nippon</i>) fed three different diets. 2015 , 69, 307-18	32
1323	Childhood malnutrition and the intestinal microbiome. 2015 , 77, 256-62	85
1322	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. 2015 , 277, 32-48	907
1321	Phylogenetics and the human microbiome. 2015 , 64, e26-41	24
1320	Diet and host-microbial crosstalk in postnatal intestinal immune homeostasis. 2015 , 12, 14-25	61
1319	Human milk glycomics and gut microbial genomics in infant feces show a correlation between human milk oligosaccharides and gut microbiota: a proof-of-concept study. 2015 , 14, 491-502	130
1318	Methodologies for animals[geographies: cultures, communication and genomics. 2015 , 22, 285-295	77
1317	Molecular ecological tools to decipher the role of our microbial mass in obesity. 2015 , 6, 61-81	20
1316	Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants. 2015 , 64, 731-42	336
1315	Probiotics during weaning: a follow-up study on effects on body composition and metabolic markers at school age. 2015 , 54, 355-63	30
1314	Consequences of Gut Dysbiosis on the Human Brain. 2016 ,	1
1313	Helminth Infections and Gut Microbiota: The Futuristic Study of Pathogen Virulence and Gut Ecosystem. 2016 , 07,	2
1312	[Physiological patterns of intestinal microbiota. The role of dysbacteriosis in obesity, insulin resistance, diabetes and metabolic syndrome]. 2016 , 157, 13-22	22
1311	Recent Advances and Understanding of Using Probiotic-Based Interventions to Restore Homeostasis of the Microbiome for the Prevention/Therapy of Bacterial Diseases. 2016 , 823-841	1
1310	Epigenetic Regulation of Gastrointestinal Epithelial Barrier and Developmental Origins of Health and Disease. 2016 , 337-360	2
1309	6. Die physiologische Standortflora. 2016 ,	
1308	7. Einfluss von Antibiotika auf das gastrointestinale Mikrobiom. 2016 ,	

1307	Intestinal microbiota transplant - current state of knowledge. 2016 , 54, 24-8	10
1306	Gut Microbiota-brain Axis. 2016 , 129, 2373-80	159
1305	Factoring the intestinal microbiome into the pathogenesis of autoimmune hepatitis. 2016 , 22, 9257-9278	41
1304	Paneth cell defects in Crohn's disease patients promote dysbiosis. 2016 , 1, e86907	54
1303	Taxonomic and Functional Metagenomic Signature of Turfs in the Abrolhos Reef System (Brazil). 2016 , 11, e0161168	14
1302	Dynamics of Gut Microbiota According to the Delivery Mode in Healthy Korean Infants. 2016 , 8, 471-7	27
1301	An Exposome Perspective on Environmental Enteric Dysfunction. 2016 , 124, 1121-6	14
1300	Influence of the Microbiota on the Development and Function of the Second Brain—the Enteric Nervous System. 2016 , 403-421	1
1299	Role of antibiotics for treatment of inflammatory bowel disease. 2016 , 22, 1078-87	122
1298	Gut Microbiota in Multiple Sclerosis: A Bioreactor Driving Brain Autoimmunity. 2016 , 113-125	4
1297	A Study of the Infant Nasal Microbiome Development over the First Year of Life and in Relation to Their Primary Adult Caregivers Using cpn60 Universal Target (UT) as a Phylogenetic Marker. 2016 , 11, e0152493	22
1296	Race-specific Association of Caesarean-Section Delivery with Body Size at Age 2 Years. 2016 , 26, 61-8	3
1295	Adhesion Properties of Lactic Acid Bacteria on Intestinal Mucin. 2016 , 4,	70
1294	[Gut microbiota, the key for a better diet?]. 2016 , 32, 999-1002	1
1293	The Microbiome and Mental Health: Looking Back, Moving Forward with Lessons from Allergic Diseases. 2016 , 14, 131-47	28
1292	Influence of Dietary Factors on Gut Microbiota: The Role on Insulin Resistance and Diabetes Mellitus. 2016 , 147-154	
1291	Nature vs. Nurture: The Gut Microbiome and Genetics in the Development of Gastrointestinal Disease. 2016 , 02,	
1290	Involvement of Reduced Microbial Diversity in Inflammatory Bowel Disease. 2016 , 2016, 6951091	42

1289	Colectomy Rates for Ulcerative Colitis Differ between Ethnic Groups: Results from a 15-Year Nationwide Cohort Study. 2016 , 2016, 8723949	9
1288	Health benefits of fibre, prebiotics and probiotics: a review of intestinal health and related health claims. 2016 , 8, 539-554	17
1287	A Metagenomic Insight Into the Human Microbiome. 2016 , 107-119	12
1286	The Microbiome in Aging: Impact on Health and Wellbeing. 2016 , 185-222	0
1285	Microbial Community Structure of Activated Sludge in Treatment Plants with Different Wastewater Compositions. 2016 , 7, 90	113
1284	Microbiome and the Effect on Immune Response. 2016 , 171-194	
1283	Prebiotics. 2016 , 757-775	10
1282	Resistome diversity in cattle and the environment decreases during beef production. 2016 , 5, e13195	68
1281	A conserved bacterial protein induces pancreatic beta cell expansion during zebrafish development. 2016 , 5,	64
1280	The New Era of Treatment for Obesity and Metabolic Disorders: Evidence and Expectations for Gut Microbiome Transplantation. 2016 , 6, 15	45
1279	Gut Microbiota: A Contributing Factor to Obesity. 2016 , 6, 95	52
1278	Social Environment Has a Primary Influence on the Microbial and Odor Profiles of a Chemically Signaling Songbird. 2016 , 4,	24
1277	Mucosal Interactions between Genetics, Diet, and Microbiome in Inflammatory Bowel Disease. 2016 , 7, 290	74
1276	Role of Vitamin D in the Hygiene Hypothesis: The Interplay between Vitamin D, Vitamin D Receptors, Gut Microbiota, and Immune Response. 2016 , 7, 627	75
1275	Human Microbiota of the Argentine Population- A Pilot Study. 2016 , 7, 51	12
1274	Genomic Analysis of the Human Gut Microbiome Suggests Novel Enzymes Involved in Quinone Biosynthesis. 2016 , 7, 128	35
1273	Gut Microbiome and Kidney Disease in Pediatrics: Does Connection Exist?. 2016 , 7, 235	4
1272	Gut Microbiota: The Brain Peacekeeper. 2016 , 7, 345	98

1271	Gut Microbiota Diversity and Human Diseases: Should We Reintroduce Key Predators in Our Ecosystem?. 2016 , 7, 455	268
1270	Molecular Characterization and Meta-Analysis of Gut Microbial Communities Illustrate Enrichment of Prevotella and Megasphaera in Indian Subjects. 2016 , 7, 660	76
1269	Pika Population Density Is Associated with the Composition and Diversity of Gut Microbiota. 2016 , 7, 758	47
1268	Why Don't All Infants Have Bifidobacteria in Their Stool?. 2016 , 7, 834	27
1267	Current Knowledge and Future Research Directions on Fecal Bacterial Patterns and Their Association with Asthma. 2016 , 7, 838	5
1266	Variations in the Post-weaning Human Gut Metagenome Profile As Result of Bifidobacterium Acquisition in the Western Microbiome. 2016 , 7, 1058	12
1265	Gut Bifidobacteria Populations in Human Health and Aging. 2016 , 7, 1204	261
1264	A Critical Evaluation of Bifidobacterial Adhesion to the Host Tissue. 2016 , 7, 1220	34
1263	Age and Gender Affect the Composition of Fungal Population of the Human Gastrointestinal Tract. 2016 , 7, 1227	112
1262	Correlations of Host Genetics and Gut Microbiome Composition. 2016 , 7, 1357	46
1261	Spatial and Temporal Dynamics of Pacific Oyster Hemolymph Microbiota across Multiple Scales. 2016 , 7, 1367	49
1260	High Iron-Sequestering Bifidobacteria Inhibit Enteropathogen Growth and Adhesion to Intestinal Epithelial Cells. 2016 , 7, 1480	24
1259	Exploring Relationships between Host Genome and Microbiome: New Insights from Genome-Wide Association Studies. 2016 , 7, 1611	14
1258	Host-Specific Functional Significance of Gut Commensals. 2016 , 7, 1622	49
1257	Gradual Changes of Gut Microbiota in Weaned Miniature Piglets. 2016 , 7, 1727	87
1256	The Development of Our Organ of Other Kinds-The Gut Microbiota. 2016 , 7, 2107	9
1255	Epigenetic Regulation of Enteric Neurotransmission by Gut Bacteria. 2015 , 9, 503	18
1254	Considerations For Optimizing Microbiome Analysis Using a Marker Gene. 2016 , 3, 26	18

1253	Infant Early Gut Colonization by Lachnospiraceae: High Frequency of Ruminococcus gnavus. 2016 , 4, 57	48
1252	The Eukaryotic Microbiome: Origins and Implications for Fetal and Neonatal Life. 2016 , 4, 96	23
1251	Nutrition: A Primary Therapy in Pediatric Acute Respiratory Distress Syndrome. 2016 , 4, 108	12
1250	Modulating Composition and Metabolic Activity of the Gut Microbiota in IBD Patients. 2016 , 17,	43
1249	Impact of Prematurity and Perinatal Antibiotics on the Developing Intestinal Microbiota: A Functional Inference Study. 2016 , 17,	81
1248	The Metabolic Role of Gut Microbiota in the Development of Nonalcoholic Fatty Liver Disease and Cardiovascular Disease. 2016 , 17,	42
1247	Microbiome, Metabolome and Inflammatory Bowel Disease. 2016 , 4,	95
1246	Gut Bacteria and Hydrogen Sulfide: The New Old Players in Circulatory System Homeostasis. 2016 , 21,	83
1245	Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea. 2016 , 8,	64
1244	Dietary Gluten-Induced Gut Dysbiosis Is Accompanied by Selective Upregulation of microRNAs with Intestinal Tight Junction and Bacteria-Binding Motifs in Rhesus Macaque Model of Celiac Disease. 2016 , 8,	37
1243	Bile Acids and Dysbiosis in Non-Alcoholic Fatty Liver Disease. 2016 , 11, e0151829	203
1242	Revised Estimates for the Number of Human and Bacteria Cells in the Body. 2016 , 14, e1002533	2159
1241	The Role of the Gut Microbiome on Chronic Kidney Disease. 2016 , 96, 65-94	51
1240	Faecal Metaproteomic Analysis Reveals a Personalized and Stable Functional Microbiome and Limited Effects of a Probiotic Intervention in Adults. 2016 , 11, e0153294	59
1239	Ingestion of Milk Containing Very Low Concentration of Antimicrobials: Longitudinal Effect on Fecal Microbiota Composition in Preweaned Calves. 2016 , 11, e0147525	32
1238	Body Site Is a More Determinant Factor than Human Population Diversity in the Healthy Skin Microbiome. 2016 , 11, e0151990	84
1237	Longitudinal Analysis of the Intestinal Microbiota in Persistently Stunted Young Children in South India. 2016 , 11, e0155405	53
1236	The Distribution of SIgA and IgG Antibody-Secreting Cells in the Small Intestine of Bactrian Camels (Camelus bactrianus) of Different Ages. 2016 , 11, e0156635	4

1235	Phenylketonuria and Gut Microbiota: A Controlled Study Based on Next-Generation Sequencing. 2016 , 11, e0157513	28
1234	Mothers Secretor Status Affects Development of Childrens Microbiota Composition and Function: A Pilot Study. 2016 , 11, e0161211	47
1233	Xenobiotic Metabolism and Gut Microbiomes. 2016 , 11, e0163099	41
1232	Networks Depicting the Fine-Scale Co-Occurrences of Fungi in Soil Horizons. 2016 , 11, e0165987	48
1231	Gut Microbiota Modification: Another Piece in the Puzzle of the Benefits of Physical Exercise in Health?. 2016 , 7, 51	110
1230	Host-Microbiome Interaction and Cancer: Potential Application in Precision Medicine. 2016 , 7, 606	24
1229	. 2016 ,	8
1228	THE EPITHELIUM AS A TARGET IN SEPSIS. 2016 , 45, 249-58	11
1227	Detection of Virulence Genes in Enterococci Isolated From the Human Normal Flora by Multiplex-Polymerase Chain Reaction. 2016 , 24, 227-230	1
1226	Bacterial Folates Provide an Exogenous Signal for C. elegans Germline Stem Cell Proliferation. 2016 , 38, 33-46	22
1225	Microbiome evolution along divergent branches of the vertebrate tree of life: what is known and unknown. 2016 , 25, 3776-800	178
1224	Airway Microbiota and the Implications of Dysbiosis in Asthma. 2016 , 16, 52	32
1223	Genomic characterization of the uncultured Bacteroidales family S24-7 inhabiting the guts of homeothermic animals. 2016 , 4, 36	322
1222	Effect of probiotics on clinical and immune parameters in enthesitis-related arthritis category of juvenile idiopathic arthritis. 2016 , 185, 301-8	25
1221	qual-id: Globally Unique, Correctable, and Human-Friendly Sample Identifiers for Comparative Omics Studies. 2016 , 1,	4
1220	Application of multivariate statistical techniques in microbial ecology. 2016 , 25, 1032-57	199
1219	Microbial contributions to chronic inflammation and metabolic disease. 2016 , 19, 257-62	15
1218	Clostridium difficile Infection in Pediatric Inflammatory Bowel Disease. 2016 , 22, 1020-5	16

1217	Cultural epigenetics. 2016 , 64, 42-60	10
1216	Complexities of Gut Microbiome Dysbiosis in the Context of HIV Infection and Antiretroviral Therapy. 2016 , 99, 600-11	35
1215	The human gut microbiota and its interactive connections to diet. 2016 , 29, 539-46	40
1214	Development, diet and dynamism: longitudinal and cross-sectional predictors of gut microbial communities in wild baboons. 2016 , 18, 1312-25	41
1213	Effects of dispersal limitation in the face of intense selection via dietary intervention on the faecal microbiota of rats. 2016 , 8, 187-95	6
1212	Biological Anthropology in 2015: Open Access, Biocultural Interactions, and Social Change. 2016 , 118, 317-329	4
1211	Lung-gut cross-talk: evidence, mechanisms and implications for the mucosal inflammatory diseases. 2016 , 46, 519-28	54
1210	The human gut microbiome in health: establishment and resilience of microbiota over a lifetime. 2016 , 18, 2103-16	117
1209	Microbiota at the crossroads of autoimmunity. 2016 , 15, 859-69	82
1208	Links Between the Microbiome and Bone. 2016 , 31, 1638-46	100
1207	Volatile Organic Compounds of Decaying Piglet Cadavers Perceived by <i>Nicrophorus vespilloides</i> . 2016 , 42, 756-767	14
1206	Diet-microbiota interactions as moderators of human metabolism. <i>Nature</i> , 2016 , 535, 56-64	50.4 1086
1205	Microbiome-wide association studies link dynamic microbial consortia to disease. <i>Nature</i> , 2016 , 535, 94-103	50.4 443
1204	The microbiome in early life: implications for health outcomes. 2016 , 22, 713-22	548
1203	Transition from infant- to adult-like gut microbiota. 2016 , 18, 2226-36	64
1202	Trimethylamine and Trimethylamine N-Oxide, a Flavin-Containing Monooxygenase 3 (FMO3)-Mediated Host-Microbiome Metabolic Axis Implicated in Health and Disease. 2016 , 44, 1839-1850	181
1201	Prevalence and determinants of cessation of exclusive breastfeeding in the early postnatal period in Sydney, Australia. 2016 , 12, 16	44
1200	Comprehensive analysis of the fecal microbiota of healthy Japanese adults reveals a new bacterial lineage associated with a phenotype characterized by a high frequency of bowel movements and a lean body type. 2016 , 16, 284	57

1199	Does the Intestinal Microbiota Explain Differences in the Epidemiology of Liver Disease between East and West?. 2016 , 1, 3-8	3
1198	Disruption of the microbiota across multiple body sites in critically ill children. 2016 , 4, 66	55
1197	Influence of habitual dietary fibre intake on the responsiveness of the gut microbiota to a prebiotic: protocol for a randomised, double-blind, placebo-controlled, cross-over, single-centre study. 2016 , 6, e012504	9
1196	Urban Transit System Microbial Communities Differ by Surface Type and Interaction with Humans and the Environment. 2016 , 1,	73
1195	The Gastrointestinal Microbiome. 2016 , 126-137	0
1194	The Gut Microbiome. 2016 , 799-808	1
1193	Turning Participatory Microbiome Research into Usable Data: Lessons from the American Gut Project. 2016 , 17, 46-50	28
1192	Comparison of the bacterial communities in feces from wild versus housed sables (<i>Martes zibellina</i>) by high-throughput sequence analysis of the bacterial 16S rRNA gene. 2016 , 6, 98	12
1191	References. 482-601	
1190	Recent Advances and Understanding of Using Probiotic-Based Interventions to Restore Homeostasis of the Microbiome for the Prevention/Therapy of Bacterial Diseases. 2016 , 4,	8
1189	The Lung Microbiome and Airway Disease. 2016 , 13 Suppl 2, S462-S465	23
1188	The Role of Fibers and Bioactive Compounds in Gut Microbiota Composition and Health. 2016 , 205-262	
1187	DACE: a scalable DP-means algorithm for clustering extremely large sequence data. 2017 , 33, 834-842	6
1186	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. 2016 , 3, 572-584.e3	172
1185	The Metabolic Role of the Microbiome: Implications for NAFLD and the Metabolic Syndrome. 2016 , 36, 312-316	16
1184	The Human Intestinal Microbiome in Health and Disease. 2016 , 375, 2369-2379	1429
1183	Microbes, Metabolites and Health. 2016 , 13-48	
1182	Lifestyle and geographic insights into the distinct gut microbiota in elderly women from two different geographic locations. 2016 , 35, 31	33

1181	Impact of dietary fiber and fat on gut microbiota re-modeling and metabolic health. 2016 , 57, 201-212	37
1180	Gut microbiota, 1013 new pieces in the Parkinson's disease puzzle. 2016 , 29, 773-780	42
1179	A simple coculture system shows mutualism between anaerobic faecalibacteria and epithelial Caco-2 cells. 2015 , 5, 17906	39
1178	Cultural Epigenetics. 2016 , 64, 42-60	7
1177	Exercise and Prebiotics Produce Stress Resistance: Converging Impacts on Stress-Protective and Butyrate-Producing Gut Bacteria. 2016 , 131, 165-191	6
1176	Analysis and Interpretation of the Human Microbiome. 2016 , 22, 1713-22	5
1175	Assembling Communities. 2016 , 39-61	
1174	Skład mikrobiomu jelit we wczesnym okresie życia a występowanie alergii na białą mleka. 2016 , 3, T69-T81	
1173	Circadian Rhythm and the Gut Microbiome. 2016 , 131, 193-205	102
1172	Support for the Microgenderome: Associations in a Human Clinical Population. 2016 , 6, 19171	32
1171	Effects of Antibiotics on Gut Microbiota. 2016 , 34, 260-8	241
1170	Gut Microbiotas and Host Evolution: Scaling Up Symbiosis. 2016 , 31, 539-549	198
1169	Secretory IgA in the Coordination of Establishment and Maintenance of the Microbiota. 2016 , 37, 287-296	111
1168	Cesarean section changes neonatal gut colonization. 2016 , 138, 881-889.e2	111
1167	Host genetics is associated with the gut microbial community membership rather than the structure. 2016 , 12, 1676-86	8
1166	Metabolomics of fecal samples: A practical consideration. 2016 , 57, 244-255	45
1165	The rise of food allergy: Environmental factors and emerging treatments. 2016 , 7, 27-34	41
1164	Fetal, neonatal, and infant microbiome: Perturbations and subsequent effects on brain development and behavior. 2016 , 21, 410-417	95

1163	Age-related changes in gut microbiota composition from newborn to centenarian: a cross-sectional study. 2016 , 16, 90	598
1162	Microbiomes, metagenomics, and primate conservation: New strategies, tools, and applications. 2016 , 199, 56-66	50
1161	Prebiotics and age, but not probiotics affect the transformation of 2-amino-3-methyl-3H-imidazo[4,5-f]quinoline (IQ) by fecal microbiota - An in vitro study. 2016 , 39, 124-35	6
1160	Molecular and cellular mechanisms of food allergy and food tolerance. 2016 , 137, 984-997	161
1159	Different subtype strains of Akkermansia muciniphila abundantly colonize in southern China. 2016 , 120, 452-9	29
1158	Elucidating the richness of bacterial groups in the gut of Nicobarese tribal community - Perspective on their lifestyle transition. 2016 , 39, 68-76	7
1157	A bug's view of allergic airways disease. 2016 , 19, 69-74	1
1156	The Gastrointestinal Tract Microbiota and Allergic Diseases. 2016 , 34, 230-43	13
1155	Anaerobic choline metabolism in microcompartments promotes growth and swarming of Proteus mirabilis. 2016 , 18, 2886-98	31
1154	Gut microbiota analysis reveals a marked shift to bifidobacteria by a starter infant formula containing a synbiotic of bovine milk-derived oligosaccharides and Bifidobacterium animalis subsp. lactis CNCM I-3446. 2016 , 18, 2185-95	54
1153	Modeling Sustainable Food Systems. 2016 , 57, 956-75	83
1152	Gut microbiome remodeling induces depressive-like behaviors through a pathway mediated by the host's metabolism. 2016 , 21, 786-96	888
1151	The Genetics of Type 2 Diabetes and Related Traits. 2016 ,	3
1150	Moving microbiota research toward establishing causal associations that represent viable targets for effective public health interventions. 2016 , 26, 306-10	12
1149	Microbiome analysis and detection of pathogenic bacteria of Penaeus monodon from Jakarta Bay and Bali. 2016 , 110, 718-25	13
1148	The effects of antibiotics on the microbiome throughout development and alternative approaches for therapeutic modulation. 2016 , 8, 39	482
1147	Intricacies of assessing the human microbiome in epidemiologic studies. 2016 , 26, 311-21	30
1146	Vertebrate bacterial gut diversity: size also matters. 2016 , 16, 12	34

1145	Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. 2016 , 22, 524-30	59
1144	Gut Immunity and Type 1 Diabetes: a Mlange of Microbes, Diet, and Host Interactions?. 2016 , 16, 60	12
1143	Altered gastrointestinal microbiota in irritable bowel syndrome and its modification by diet: probiotics, prebiotics and the low FODMAP diet. 2016 , 75, 306-18	58
1142	Speciation by Symbiosis: the Microbiome and Behavior. 2016 , 7, e01785	96
1141	Foodomics as part of the host-microbiota-exposome interplay. 2016 , 147, 3-20	37
1140	Population-level analysis of gut microbiome variation. 2016 , 352, 560-4	1120
1139	Antibiotic use and its consequences for the normal microbiome. 2016 , 352, 544-5	437
1138	How colonization by microbiota in early life shapes the immune system. 2016 , 352, 539-44	859
1137	Cross-species comparisons of host genetic associations with the microbiome. 2016 , 352, 532-5	168
1136	Resurrecting the intestinal microbiota to combat antibiotic-resistant pathogens. 2016 , 352, 535-8	235
1135	The Intestinal Microenvironment and Functional Gastrointestinal Disorders. 2016 ,	164
1134	Scaling laws predict global microbial diversity. 2016 , 113, 5970-5	497
1133	Microbiome sequencing: challenges and opportunities for molecular medicine. 2016 , 16, 795-805	25
1132	The healthy human microbiome. 2016 , 8, 51	789
1131	Impact of early gut microbiota on immune and metabolic development and function. 2016 , 21, 380-387	65
1130	Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. 2016 , 74, 374-86	49
1129	Adipositas, Typ-2-Diabetes und das Mikrobiom, unser zweites Genom. 2016 , 11, 102-112	1
1128	The Gut Microbiota in Type 2 Diabetes. 2016 , 275-293	

1127	Effect of long-term antibiotic use on weight in adolescents with acne. 2016 , 71, 1098-105	3
1126	Die metabolische Selbstzerstörung des kritisch kranken Patienten (Teil II): Die Bedeutung der modernen Medizin und therapeutische Konsequenzen. 2016 , 41, 113-117	0
1125	Genetic Determinants of the Gut Microbiome in UK Twins. 2016 , 19, 731-43	547
1124	Human Microbiota-Associated Mice: A Model with Challenges. 2016 , 19, 575-8	122
1123	Mechanisms of Pediatric Inflammatory Bowel Disease. 2016 , 34, 31-64	87
1122	The Human Gut Microbiota. 2016 , 902, 95-108	50
1121	Human microbiome versus food-borne pathogens: friend or foe. 2016 , 100, 4845-63	15
1120	Early-life gut microbiome composition and milk allergy resolution. 2016 , 138, 1122-1130	197
1119	Interconnected microbiomes and resistomes in low-income human habitats. <i>Nature</i> , 2016 , 533, 212-6	50.4 280
1118	Biodiversity of Intestinal Lactic Acid Bacteria in the Healthy Population. 2016 , 932, 1-64	13
1117	The Role of Microbiome Diversity in Brain Health and Inflammation: A Clinical Conversation with David Perlmutter, MD, FACN, ABIHM, and Robert Rountree, MD. 2016 , 22, 87-92	
1116	Microbiome Changes during Tuberculosis and Antituberculous Therapy. 2016 , 29, 915-26	49
1115	Food: a new form of personalised (gut microbiome) medicine for chronic diseases?. 2016 , 109, 331-6	14
1114	In vitro analysis of partially hydrolyzed guar gum fermentation on identified gut microbiota. 2016 , 42, 60-66	14
1113	Susceptibilité au diabète de type 1 et microbiote intestinal. 2016 , 10, 67-68	
1112	Diet influence on the gut microbiota and dysbiosis related to nutritional disorders. 2016 , 1, 3-11	81
1111	Epigenetics, Energy Balance, and Cancer. 2016 ,	2
1110	Epigenetic Effects of Gut Microbiota on Obesity and Gastrointestinal Cancers. 2016 , 167-189	1

1109	Impact of maternal nutrition in pregnancy and lactation on offspring gut microbial composition and function. 2016 , 7, 459-470	100
1108	Effect of dietary interventions on the intestinal microbiota of Mongolian hosts. 2016 , 61, 1605-1614	11
1107	Shaping Variation in the Human Immune System. 2016 , 37, 637-646	54
1106	Engineering Human Microbiota: Influencing Cellular and Community Dynamics for Therapeutic Applications. 2016 , 324, 67-124	9
1105	Big Data Analytics. 2016 ,	6
1104	Signals from the gut microbiota to distant organs in physiology and disease. 2016 , 22, 1079-1089	622
1103	The human microbiome and juvenile idiopathic arthritis. 2016 , 14, 55	23
1102	Genetic and transcriptional analysis of human host response to healthy gut microbiota. 2016 , 1,	24
1101	Rapid change of fecal microbiome and disappearance of <i>Clostridium difficile</i> in a colonized infant after transition from breast milk to cow milk. 2016 , 4, 53	44
1100	Genome-wide association analysis identifies variation in vitamin D receptor and other host factors influencing the gut microbiota. 2016 , 48, 1396-1406	369
1099	Altered gut microbiota in female mice with persistent low body weights following removal of post-weaning chronic dietary restriction. 2016 , 8, 103	14
1098	Interplays Between Gut Microbiota and Gene Expression Regulation by miRNAs: Towards a Symbiotic Vision of Host and Guest. 2016 , 53-65	1
1097	A clinical update on the significance of the gut microbiota in systemic autoimmunity. 2016 , 74, 85-93	76
1096	Gut microbiome predictors of treatment response and recurrence in primary <i>Clostridium difficile</i> infection. 2016 , 44, 715-727	63
1095	Modulation of type 1 and type 2 diabetes risk by the intestinal microbiome. 2016 , 17, 469-477	43
1094	The microbiota as an epigenetic control mechanism. 2016 , 179-197	3
1093	An introduction to microbial dysbiosis. 2016 , 37-54	
1092	Diet and dysbiosis. 2016 , 443-465	

1091	The gut microbiota. 2016 , 55-66	0
1090	Causality of small and large intestinal microbiota in weight regulation and insulin resistance. 2016 , 5, 759-70	102
1089	The subgingival periodontal microbiota of the aging mouth. 2016 , 72, 30-53	87
1088	An overview of major metagenomic studies on human microbiomes in health and disease. 2016 , 4, 192-206	8
1087	The changing microbial landscape of Western society: Diet, dwellings and discordance. 2016 , 5, 737-42	40
1086	Fecal microbiota transplantation for the treatment of Clostridium difficile infection. 2016 , 11, 56-61	34
1085	The gut microbiota and metabolic disease: current understanding and future perspectives. 2016 , 280, 339-49	150
1084	The microbiome-systemic diseases connection. 2016 , 22, 719-734	70
1083	Incorporating the gut microbiota into models of human and non-human primate ecology and evolution. 2016 , 159, S196-215	77
1082	Antibiotic perturbation of the preterm infant gut microbiome and resistome. 2016 , 7, 443-9	59
1081	PhyloCore: A phylogenetic approach to identifying core taxa in microbial communities. 2016 , 593, 330-3	7
1080	Disease Severity and Immune Activity Relate to Distinct Interkingdom Gut Microbiome States in Ethnically Distinct Ulcerative Colitis Patients. 2016 , 7,	56
1079	Gut microbiota in renal physiology: focus on short-chain fatty acids and their receptors. 2016 , 90, 1191-1198	69
1078	Consumption of a Bifidobacterium bifidum Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults. 2016 , 82, 5850-9	38
1077	Captivity humanizes the primate microbiome. 2016 , 113, 10376-81	251
1076	Extreme Dysbiosis of the Microbiome in Critical Illness. 2016 , 1,	190
1075	The gut microbiota: A treasure for human health. 2016 , 34, 1210-1224	108
1074	Diet and Gut Microbial Function in Metabolic and Cardiovascular Disease Risk. 2016 , 16, 93	23

1073	Mikrobiom, Adipositas und Energiestoffwechsel. 2016 , 12, 401-408	
1072	Insights into human evolution from ancient and contemporary microbiome studies. 2016 , 41, 14-26	39
1071	Taxonomic and predicted metabolic profiles of the human gut microbiome in pre-Columbian mummies. 2016 , 92,	17
1070	Early settlers: which E. coli strains do you not want at birth?. 2016 , 311, G123-9	30
1069	Toward Accurate and Quantitative Comparative Metagenomics. 2016 , 166, 1103-1116	166
1068	Looking for a Signal in the Noise: Revisiting Obesity and the Microbiome. 2016 , 7,	316
1067	Female reproductive tract microbiome in gynecological health and problems. 2016 , 2, S48-S54	4
1066	Fat and vitamin intakes during pregnancy have stronger relations with a pro-inflammatory maternal microbiota than does carbohydrate intake. 2016 , 4, 55	60
1065	Paleomicrobiology: a Snapshot of Ancient Microbes and Approaches to Forensic Microbiology. 2016 , 4,	8
1064	A novel gene cluster allows preferential utilization of fucosylated milk oligosaccharides in Bifidobacterium longum subsp. longum SC596. 2016 , 6, 35045	93
1063	Gut microbiome and dietary patterns in different Saudi populations and monkeys. 2016 , 6, 32191	39
1062	Identifying species of symbiont bacteria from the human gut that, alone, can induce intestinal Th17 cells in mice. 2016 , 113, E8141-E8150	230
1061	ABO antigen and secretor statuses are not associated with gut microbiota composition in 1,500 twins. 2016 , 17, 941	49
1060	Fetal programming of overweight through the microbiome: boys are disproportionately affected. 2016 , 7, 25-34	51
1059	Advances in Gut Microbiome Research and Relevance to Pediatric Diseases. 2016 , 178, 16-23	10
1058	Linking microbiota and respiratory disease. 2016 , 590, 3721-3738	42
1057	Transitioning From Descriptive to Mechanistic Understanding of the Microbiome: The Need for a Prospective Longitudinal Approach to Predicting Disease. 2016 , 179, 240-248	9
1056	An Intestinal Microbiota-Farnesoid X Receptor Axis Modulates Metabolic Disease. 2016 , 151, 845-859	159

1055	Micronutrient Adequacy and Dietary Diversity Exert Positive and Distinct Effects on Linear Growth in Urban Zambian Infants. 2016 , 146, 2093-2101	17
1054	Microbial diversity in individuals and their household contacts following typical antibiotic courses. 2016 , 4, 39	90
1053	Microbiome-Epigenome Interactions and the Environmental Origins of Inflammatory Bowel Diseases. 2016 , 62, 208-19	34
1052	Progress in Our Understanding of the Gut Microbiome: Implications for the Clinician. 2016 , 18, 49	8
1051	Antibiotics, birth mode, and diet shape microbiome maturation during early life. 2016 , 8, 343ra82	680
1050	Do Vertebrate Gut Metagenomes Confer Rapid Ecological Adaptation?. 2016 , 31, 689-699	122
1049	Cospeciation of gut microbiota with hominids. 2016 , 353, 380-2	337
1048	Soil microbial communities of three major Chinese truffles in southwest China. 2016 , 62, 970-979	17
1047	Early Life Antibiotic Exposure and Weight Development in Children. 2016 , 176, 105-113.e2	51
1046	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016 , 535, 376-81	50.4 977
1045	Mobile genes in the human microbiome are structured from global to individual scales. <i>Nature</i> , 2016 , 535, 435-439	50.4 148
1044	Emerging Technologies for Gut Microbiome Research. 2016 , 24, 887-901	107
1043	Methods for geographic profiling of biological invasions with multiple origin sites. 2016 , 13, 2037-2044	7
1042	The Microbiota and Its Modulation in Immune-Mediated Disorders. 2016 , 191-227	1
1041	Challenging dogma: the endometrium has a microbiome with functional consequences!. 2016 , 215, 682-683	13
1040	Modifying Our Microbial Environment. 2016 , 373-395	
1039	Microbiome Data Mining for Microbial Interactions and Relationships. 2016 , 221-235	
1038	Antibiotic-mediated gut microbiome perturbation accelerates development of type 1 diabetes in mice. 2016 , 1, 16140	209

1037	The Human Microbiome in Health and Disease. 2016 , 57-76	4
1036	Neuroinflammation - using big data to inform clinical practice. 2016 , 12, 685-698	20
1035	Increased Gut Redox and Depletion of Anaerobic and Methanogenic Prokaryotes in Severe Acute Malnutrition. 2016 , 6, 26051	108
1034	The Human Microbiome before Birth. 2016 , 20, 558-560	69
1033	Composition of gut microbiota in infants in China and global comparison. 2016 , 6, 36666	41
1032	Microbiome: Antibiotics and the infant microflora. 2016 , 1, 16040	0
1031	To flush or not to flush ¶hat is a question. 2016 , 10, 337-340	
1030	Microbiome. 2016 , 14-18	
1029	A comparison of intestinal microbiota in a population of low-risk infants exposed and not exposed to intrapartum antibiotics: The Baby & Microbiota of the Intestine cohort study protocol. 2016 , 16, 183	15
1028	Human antibody reactivity against xenogeneic N-glycolylneuraminic acid and galactose-¶1,3-galactose antigen. 2016 , 23, 279-92	18
1027	Neonatal abstinence syndrome and the gastrointestinal tract. 2016 , 97, 11-15	4
1026	Psychobiotics and the Manipulation of Bacteria-Gut-Brain Signals. 2016 , 39, 763-781	446
1025	Joint effects of pregnancy, sociocultural, and environmental factors on early life gut microbiome structure and diversity. 2016 , 6, 31775	78
1024	Policy and regulations in light of the human body as a ¶uperorganism¶containing multiple, intertwined symbiotic relationships. 2016 , 33, 39-48	8
1023	Natural history of the infant gut microbiome and impact of antibiotic treatment on bacterial strain diversity and stability. 2016 , 8, 343ra81	514
1022	Relationship between vaginal microbial dysbiosis, inflammation, and pregnancy outcomes in cervical cerclage. 2016 , 8, 350ra102	92
1021	Vibrio cholerae: A historical perspective and current trend. 2016 , 6, 895-908	1
1020	Disrupted progression of the intestinal microbiota with age in children with cystic fibrosis. 2016 , 6, 24857	50

1019	Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children. 2016 , 6, 32385	41
1018	The gut microbiota: a major player in the toxicity of environmental pollutants?. 2016 , 2, 16003	309
1017	Advances in Microbiology, Infectious Diseases and Public Health. 2016 ,	1
1016	Translational Biomedical Informatics. 2016 ,	1
1015	Metagenomics and Single-Cell Omics Data Analysis for Human Microbiome Research. 2016 , 939, 117-137	2
1014	Sex differences in colonization of gut microbiota from a man with short-term vegetarian and inulin-supplemented diet in germ-free mice. 2016 , 6, 36137	26
1013	Inferences of African evolutionary history from genomic data. 2016 , 41, 159-166	16
1012	Digestive enzymes of human and nonhuman primates. 2016 , 25, 253-266	25
1011	A key genetic factor for fucosyllactose utilization affects infant gut microbiota development. 2016 , 7, 11939	197
1010	High fat diet drives obesity regardless the composition of gut microbiota in mice. 2016 , 6, 32484	72
1009	Phage Probiotics. 2016 , 39-58	
1008	The potential and pitfalls of de-extinction. 2016 , 45, 22-36	22
1007	Tiny microbes, enormous impacts: what matters in gut microbiome studies?. 2016 , 17, 217	86
1006	Developmental dynamics of the preterm infant gut microbiota and antibiotic resistome. 2016 , 1, 16024	229
1005	Effects of captivity and artificial breeding on microbiota in feces of the red-crowned crane (<i>Grus japonensis</i>). 2016 , 6, 33350	37
1004	Identification of source and sink populations for the emergence and global spread of the East-Asia clone of community-associated MRSA. 2016 , 17, 160	23
1003	An Improved Method for High Quality Metagenomics DNA Extraction from Human and Environmental Samples. 2016 , 6, 26775	101
1002	Unique Features of Ethnic Mongolian Gut Microbiome revealed by metagenomic analysis. 2016 , 6, 34826	47

1001	The Central Nervous System and the Gut Microbiome. 2016 , 167, 915-932	630
1000	Ethics of exploring the microbiome of native peoples. 2016 , 1, 16097	7
999	Bifidobacterial enzymes acting on human-derived glycans . 2016 , 27, 17-24	
998	Human gut microbiota and healthy aging: Recent developments and future prospective. 2016 , 4, 3-16	97
997	Effect of postnatal low-dose exposure to environmental chemicals on the gut microbiome in a rodent model. 2016 , 4, 26	86
996	The human gut microbiome of Latin America populations: a landscape to be discovered. 2016 , 29, 528-37	13
995	Alterations of the gut microbiome in Chinese patients with systemic lupus erythematosus. 2016 , 8, 64	120
994	The Microbiome of the Built Environment and Human Behavior: Implications for Emotional Health and Well-Being in Postmodern Western Societies. 2016 , 131, 289-323	40
993	The Importance of Diet and Gut Health to the Treatment and Prevention of Mental Disorders. 2016 , 131, 325-346	24
992	Host genetics affect microbial ecosystems via host immunity. 2016 , 16, 413-20	5
991	The severity of nonalcoholic fatty liver disease is associated with gut dysbiosis and shift in the metabolic function of the gut microbiota. 2016 , 63, 764-75	655
990	The effects of host age and spatial location on bacterial community composition in the English Oak tree (<i>Quercus robur</i>). 2016 , 8, 649-658	28
989	The roles of the outdoors and occupants in contributing to a potential pan-microbiome of the built environment: a review. 2016 , 4, 21	72
988	Structural and functional changes within the gut microbiota and susceptibility to <i>Clostridium difficile</i> infection. 2016 , 41, 37-43	39
987	Global investigation of composition and interaction networks in gut microbiomes of individuals belonging to diverse geographies and age-groups. 2016 , 8, 17	18
986	The pediatric intestinal mucosal microbiome remains altered after clinical resolution of inflammatory and ischemic disease. 2016 , 160, 350-8	6
985	Microbial Reconstitution Reverses Maternal Diet-Induced Social and Synaptic Deficits in Offspring. 2016 , 165, 1762-1775	583
984	Mode of Delivery Determines Neonatal Pharyngeal Bacterial Composition and Early Intestinal Colonization. 2016 , 63, 320-8	36

983	Resistance Mechanisms to Immune-Checkpoint Blockade in Cancer: Tumor-Intrinsic and -Extrinsic Factors. 2016 , 44, 1255-69	554
982	Sex-Specific Effects of Arsenic Exposure on the Trajectory and Function of the Gut Microbiome. 2016 , 29, 949-51	49
981	Analysis of the effects of microbiome-related confounding factors on the reproducibility of the volatilomic test. 2016 , 10, 037101	15
980	The Bacterial Microbiome and Virome Milestones of Infant Development. 2016 , 24, 801-810	76
979	The relativity of Darwinian populations and the ecology of endosymbiosis. 2016 , 31, 619-637	3
978	Gut Microbiota Dysbiosis as Risk and Premorbid Factors of IBD and IBS Along the Childhood-Adulthood Transition. 2016 , 22, 487-504	69
977	Environmental Enteric Dysfunction in Children. 2016 , 63, 6-14	67
976	Rhizoma Coptidis alkaloids alleviate hyperlipidemia in B6 mice by modulating gut microbiota and bile acid pathways. 2016 , 1862, 1696-709	70
975	Phenotypic and genotypic screening of human-originated lactobacilli for vitamin B12 production potential: process validation by micro-assay and UFLC. 2016 , 100, 6791-6803	20
974	The Lung Microbiome, Immunity, and the Pathogenesis of Chronic Lung Disease. 2016 , 196, 4839-47	199
973	Ballaststoffarme Nahrung über Generationen lässt Nützlinge im Darm aussterben. 2016 , 10, 30-31	
972	Statistical evaluation of methods for identification of differentially abundant genes in comparative metagenomics. 2016 , 17, 78	82
971	The obese gut microbiome across the epidemiologic transition. 2016 , 13, 2	33
970	Whole genome sequencing of "Faecalibaculum rodentium" ALO17, isolated from C57BL/6J laboratory mouse feces. 2016 , 8, 3	26
969	Interpreting Prevotella and Bacteroides as biomarkers of diet and lifestyle. 2016 , 4, 15	210
968	Effect of room temperature transport vials on DNA quality and phylogenetic composition of faecal microbiota of elderly adults and infants. 2016 , 4, 19	44
967	The microbiota in pediatric rheumatic disease: epiphenomenon or therapeutic target?. 2016 , 28, 537-43	11
966	Sex differences in HIV-1-mediated immunopathology. 2016 , 11, 209-15	19

965	A Summary of the First HIV Microbiome Workshop 2015. 2016 , 32, 935-941	8
964	Acute Appendicitis in Children Is Associated With a Local Expansion of Fusobacteria. 2016 , 63, 71-78	35
963	Correlating microbial community with physicochemical indices and structures of a full-scale integrated constructed wetland system. 2016 , 100, 6917-6926	33
962	Molecular and genetic inflammation networks in major human diseases. 2016 , 12, 2318-41	39
961	An extended single-index multiplexed 16S rRNA sequencing for microbial community analysis on MiSeq illumina platforms. 2016 , 56, 321-6	76
960	Fostering of advanced mutualism with gut microbiota by Immunoglobulin A. 2016 , 270, 20-31	57
959	Predominance of Lactobacillus spp. Among Patients Who Do Not Acquire Multidrug-Resistant Organisms. 2016 , 63, 937-943	17
958	How humans drive speciation as well as extinction. 2016 , 283,	36
957	Expanding role of gut microbiota in lipid metabolism. 2016 , 27, 141-7	81
956	Comparative metabolomics in vegans and omnivores reveal constraints on diet-dependent gut microbiota metabolite production. 2016 , 65, 63-72	307
955	Geographical patterns of the standing and active human gut microbiome in health and IBD. 2016 , 65, 238-48	93
954	The Fecal Microbiome in Pediatric Patients With Short Bowel Syndrome. 2016 , 40, 1106-1113	37
953	The microbiome and functions of black soils are altered by dibutyl phthalate contamination. 2016 , 99, 51-61	43
952	Assembly of the Caenorhabditis elegans gut microbiota from diverse soil microbial environments. 2016 , 10, 1998-2009	182
951	Allergies and Asthma: Do Atopic Disorders Result from Inadequate Immune Homeostasis arising from Infant Gut Dysbiosis?. 2016 , 12, 379-88	28
950	A novel method to assess the biodiversity of parasites using 18S rDNA Illumina sequencing; parasitome analysis method. 2016 , 65, 572-575	23
949	Microbiota Control of Malaria Transmission. 2016 , 32, 120-130	18
948	Comparison of probiotic lactobacilli and bifidobacteria effects, immune responses and rotavirus vaccines and infection in different host species. 2016 , 172, 72-84	76

947	Breastfeeding in the 21st century: epidemiology, mechanisms, and lifelong effect. 2016 , 387, 475-90	2857
946	Association of Cesarean Delivery and Formula Supplementation With the Intestinal Microbiome of 6-Week-Old Infants. 2016 , 170, 212-9	170
945	Diet-induced extinctions in the gut microbiota compound over generations. <i>Nature</i> , 2016 , 529, 212-5	50.4 890
944	Chemical Signals in Vertebrates 13. 2016 ,	1
943	Social behavior shapes the chimpanzee pan-microbiome. 2016 , 2, e1500997	164
942	Can We Prevent Obesity-Related Metabolic Diseases by Dietary Modulation of the Gut Microbiota?. 2016 , 7, 90-101	76
941	Precision respiratory medicine and the microbiome. 2016 , 4, 73-82	24
940	Natural mummification of the human gut preserves bacteriophage DNA. 2016 , 363, fmv219	18
939	The Th2 Type Immune Response in Health and Disease. 2016 ,	
938	Immune Response to Helminth Infections and Its Role in Treatment for Autoimmune Disorders. 2016 , 131-154	
937	Early-life exercise may promote lasting brain and metabolic health through gut bacterial metabolites. 2016 , 94, 151-7	32
936	Neonatal Gastrointestinal and Respiratory Microbiome in Cystic Fibrosis: Potential Interactions and Implications for Systemic Health. 2016 , 38, 740-6	13
935	Environment and Genes: What Is the Interaction?. 2016 , 34, 20-6	12
934	Gut microbiome diversity in acute infective and chronic inflammatory gastrointestinal diseases in North India. 2016 , 51, 660-71	28
933	Microbiota and lifestyle interactions through the lifespan. 2016 , 57, 265-272	16
932	The diet-microbiota-metabolite axis regulates the host physiology. 2016 , 160, 1-10	15
931	Challenges of metabolomics in human gut microbiota research. 2016 , 306, 266-279	91
930	Functional Redundancy-Induced Stability of Gut Microbiota Subjected to Disturbance. 2016 , 24, 402-413	259

929	Perinatal nutrition: How to take care of the gut microbiota?. 2016 , 6, 3-16	12
928	Gut Microbiota Differences in Children From Distinct Socioeconomic Levels Living in the Same Urban Area in Brazil. 2016 , 63, 460-465	16
927	Measuring Cluster Stability in a Large Scale Phylogenetic Analysis of Functional Genes in Metagenomes Using pplacer. 2016 , 13, 341-9	1
926	Development of new host-specific Bacteroides qPCRs for the identification of fecal contamination sources in water. 2016 , 5, 83-94	24
925	Intestinal Microbiota: First Barrier Against Gut-Affecting Pathogens. 2016 , 281-314	5
924	Helicobacter pylori in children with asthmatic conditions at school age, and their mothers. 2016 , 43, 933-943	26
923	Host-derived glycans serve as selected nutrients for the gut microbe: human milk oligosaccharides and bifidobacteria. 2016 , 80, 621-32	58
922	The Second Brain: Is the Gut Microbiota a Link Between Obesity and Central Nervous System Disorders?. 2016 , 5, 51-64	47
921	Infant Gut Microbiota Development Is Driven by Transition to Family Foods Independent of Maternal Obesity. 2016 , 1,	118
920	Allergy associations with the adult fecal microbiota: Analysis of the American Gut Project. 2016 , 3, 172-179	107
919	High-resolution phylogenetic microbial community profiling. 2016 , 10, 2020-32	161
918	The cellular composition of the human immune system is shaped by age and cohabitation. 2016 , 17, 461-468	173
917	Protective and pro-inflammatory roles of intestinal bacteria. 2016 , 23, 67-80	51
916	Intestinal microbiome disruption in patients in a long-term acute care hospital: A case for development of microbiome disruption indices to improve infection prevention. 2016 , 44, 830-6	33
915	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. 2016 , 164, 859-71	370
914	Antibiotics detected in urines and adipogenesis in school children. 2016 , 89-90, 204-11	84
913	Prebiotics: Definition and protective mechanisms. 2016 , 30, 27-37	88
912	Wine Safety, Consumer Preference, and Human Health. 2016 ,	3

911	Interactions Between Wine Polyphenols and Gut Microbiota. 2016 , 259-278	3
910	Microbial perturbations and modulation in conditions associated with malnutrition and malabsorption. 2016 , 30, 161-72	20
909	Antibiotic administration and the development of obesity in children. 2016 , 47, 171-7	39
908	Microbiota, immunity and the liver. 2016 , 171, 36-49	14
907	A novel conceptual approach to read-filtering in high-throughput amplicon sequencing studies. 2016 , 44, e40	26
906	Sex differences in the gut microbiome-brain axis across the lifespan. 2016 , 371, 20150122	141
905	The human urinary microbiome and how it relates to urogynecology. 2016 , 27, 1307-12	29
904	Mucin-Microbiota Interaction During Postnatal Maturation of the Intestinal Ecosystem: Clinical Implications. 2016 , 61, 1473-86	25
903	Partial restoration of the microbiota of cesarean-born infants via vaginal microbial transfer. 2016 , 22, 250-3	536
902	Gut Microbiome, Obesity, and Metabolic Syndrome. 2016 , 447-459	2
901	Gut microbiota and allergic disease in children. 2016 , 116, 99-105	37
900	Use of probiotics and prebiotics in infant feeding. 2016 , 30, 39-48	58
899	Immune recognition and response to the intestinal microbiome in type 1 diabetes. 2016 , 71, 10-8	43
898	Gut Microbiome of Coexisting BaAka Pygmies and Bantu Reflects Gradients of Traditional Subsistence Patterns. 2016 , 14, 2142-2153	144
897	Gut microbiota, obesity and diabetes. 2016 , 92, 286-300	225
896	Intestinal stem cells and intestinal homeostasis in health and in inflammation: A review. 2016 , 159, 1237-48	17
895	Diagnosis of Clostridium difficile Infections in Children. 2016 , 54, 1425-1433	22
894	Open-Source Sequence Clustering Methods Improve the State Of the Art. 2016 , 1,	120

893	Posttraumatic Stress Disorder: Does the Gut Microbiome Hold the Key?. 2016 , 61, 204-13	51
892	Plant Host Species and Geographic Distance Affect the Structure of Aboveground Fungal Symbiont Communities, and Environmental Filtering Affects Belowground Communities in a Coastal Dune Ecosystem. 2016 , 71, 912-26	55
891	Faecal microbiota transplantation-A clinical view. 2016 , 306, 310-315	12
890	Elucidating the role of the host genome in shaping microbiome composition. 2016 , 7, 178-84	55
889	Antibiotic resistance genes as an emerging environmental contaminant. 2016 , 24, 205-218	101
888	Towards an integrated understanding of the therapeutic utility of exclusive enteral nutrition in the treatment of Crohn's disease. 2016 , 7, 1741-51	14
887	It's in the Milk: Feeding the Microbiome to Promote Infant Growth. 2016 , 23, 393-4	14
886	[Intestinal microbiota and ageing: A new intervention route?]. 2016 , 51, 290-5	3
885	Network modules and hubs in plant-root fungal biomes. 2016 , 13,	51
884	The HIV-Associated Enteric Microbiome Has Gone Viral. 2016 , 19, 270-2	3
883	Characterization of the gut microbiome in epidemiologic studies: the multiethnic cohort experience. 2016 , 26, 373-9	32
882	Signaling in Host-Associated Microbial Communities. 2016 , 164, 1288-1300	94
881	Probiotics in early life: a preventative and treatment approach. 2016 , 7, 1752-68	29
880	The gut microbiome of healthy Japanese and its microbial and functional uniqueness. 2016 , 23, 125-33	226
879	Phylogenetic and ecological factors impact the gut microbiota of two Neotropical primate species. 2016 , 180, 717-33	65
878	The microbial pharmacists within us: a metagenomic view of xenobiotic metabolism. 2016 , 14, 273-87	382
877	Association between the gut microbiota and diet: Fetal life, early childhood, and further life. 2016 , 32, 620-7	88
876	Composition and stability of intestinal microbiota of healthy children within a Dutch population. 2016 , 30, 1512-22	36

875	The role of the intestinal microbiota in type 1 diabetes mellitus. 2016 , 12, 154-67	232
874	Identification of Specialists and Abundance-Occupancy Relationships among Intestinal Bacteria of Aves, Mammalia, and Actinopterygii. 2015 , 82, 1496-1503	3
873	Physiopathologie de l'obésité. 2016 , 83, 6-12	2
872	Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets. 2016 , 146, 200-8	70
871	Tools for the Microbiome: Nano and Beyond. 2016 , 10, 6-37	99
870	Antimicrobial Peptides in the Gut. 2016 , 67-88	0
869	Antimicrobial Peptides. 2016 ,	7
868	Contribution of neutral processes to the assembly of gut microbial communities in the zebrafish over host development. 2016 , 10, 655-64	348
867	Analysis of the microbiome: Advantages of whole genome shotgun versus 16S amplicon sequencing. 2016 , 469, 967-77	388
866	Carriage of Enterobacteria Producing Extended-Spectrum β -Lactamases and Composition of the Gut Microbiota in an Amerindian Community. 2016 , 60, 507-14	23
865	Gut microbiome in health and disease: Linking the microbiome-gut-brain axis and environmental factors in the pathogenesis of systemic and neurodegenerative diseases. 2016 , 158, 52-62	265
864	The gut microbiome, diet, and links to cardiometabolic and chronic disorders. 2016 , 12, 169-81	191
863	Role of the Gut Microbiome in Uremia: A Potential Therapeutic Target. 2016 , 67, 483-98	192
862	Validating bifidobacterial species and subspecies identity in commercial probiotic products. 2016 , 79, 445-52	89
861	Small Intestinal Bacterial Overgrowth. 2016 , 487-494	
860	Intestinal Microbiota in Breast-Fed Infants. 2016 , 59-73	
859	Discordant temporal development of bacterial phyla and the emergence of core in the fecal microbiota of young children. 2016 , 10, 1002-14	85
858	The Influence of CKD on Colonic Microbial Metabolism. 2016 , 27, 1389-99	82

857	High-level adherence to a Mediterranean diet beneficially impacts the gut microbiota and associated metabolome. 2016 , 65, 1812-1821	711
856	The biogeography of the atlantic salmon (<i>Salmo salar</i>) gut microbiome. 2016 , 10, 1280-4	179
855	Interactions between the intestinal microbiome and helminth parasites. 2016 , 38, 5-11	93
854	The Microbiome and the Respiratory Tract. 2016 , 78, 481-504	426
853	Comparative analysis of the gastrointestinal microbial communities of bar-headed goose (<i>Anser indicus</i>) in different breeding patterns by high-throughput sequencing. 2016 , 182, 59-67	49
852	The composition of the zebrafish intestinal microbial community varies across development. 2016 , 10, 644-54	317
851	The gut microbial community in metabolic syndrome patients is modified by diet. 2016 , 27, 27-31	113
850	Temporal variation selects for diet-microbe co-metabolic traits in the gut of Gorilla spp. 2016 , 10, 514-26	61
849	Effect of garlic on plasma lipoprotein(a) concentrations: A systematic review and meta-analysis of randomized controlled clinical trials. 2016 , 32, 33-40	37
848	Stool consistency is strongly associated with gut microbiota richness and composition, enterotypes and bacterial growth rates. 2016 , 65, 57-62	488
847	Regulation of body fat mass by the gut microbiota: Possible mediation by the brain. 2016 , 77, 54-9	13
846	Fetal exposures and perinatal influences on the stool microbiota of premature infants. 2016 , 29, 99-105	36
845	Complexity and health functionality of plant cell wall fibers from fruits and vegetables. 2017 , 57, 59-81	121
844	Dual role of tumour-infiltrating T helper 17 cells in human colorectal cancer. 2017 , 66, 692-704	105
843	Metabolic role of lactobacilli in weight modification in humans and animals. 2017 , 106, 182-194	60
842	Gut microbiota and malnutrition. 2017 , 106, 127-138	109
841	Gut microbiota-bone axis. 2017 , 57, 1664-1672	37
840	Significant differences found in short nucleotide sequences of human intestinal metagenomes of Northern-European and Chinese Origin. 2017 , 1861, 3627-3631	0

839	The possible mechanisms of the human microbiome in allergic diseases. 2017 , 274, 617-626	60
838	Neonatal colonization of mice with LGG promotes intestinal development and decreases susceptibility to colitis in adulthood. 2017 , 10, 117-127	51
837	Gut microbiota, diet, and obesity-related disorders-The good, the bad, and the future challenges. 2017 , 61, 1600252	106
836	Maternal exposure to a Western-style diet causes differences in intestinal microbiota composition and gene expression of suckling mouse pups. 2017 , 61, 1600141	26
835	Gut microbiota disturbance during helminth infection: can it affect cognition and behaviour of children?. 2017 , 17, 58	25
834	Evolution of gut microbiota composition from birth to 24 weeks in the INFANTMET Cohort. 2017 , 5, 4	266
833	Current views on hunter-gatherer nutrition and the evolution of the human diet. 2017 , 162 Suppl 63, 84-109	80
832	Microbiomes in respiratory health and disease: An Asia-Pacific perspective. 2017 , 22, 240-250	61
831	Species-rich networks and eco-evolutionary synthesis at the metacommunity level. 2017 , 1, 24	56
830	Basic Definitions and Concepts: Organization of the Gut Microbiome. 2017 , 46, 1-8	12
829	sp. nov., isolated from the gut microbiota of a healthy infant. 2017 , 16, 13-24	3
828	The role of early life nutrition in the establishment of gastrointestinal microbial composition and function. 2017 , 8, 143-171	88
827	Structural zeros in high-dimensional data with applications to microbiome studies. 2017 , 18, 422-433	10
826	The Neonatal Window of Opportunity: Setting the Stage for Life-Long Host-Microbial Interaction and Immune Homeostasis. 2017 , 198, 557-563	102
825	Inside Out: HIV, the Gut Microbiome, and the Mucosal Immune System. 2017 , 198, 605-614	43
824	Microbes and Cancer. 2017 , 35, 199-228	127
823	Personalized microbiome-based approaches to metabolic syndrome management and prevention. 2017 , 9, 226-236	28
822	Studying Vertical Microbiome Transmission from Mothers to Infants by Strain-Level Metagenomic Profiling. 2017 , 2,	207

821	Impact of Antibiotics on Necrotizing Enterocolitis and Antibiotic-Associated Diarrhea. 2017 , 46, 61-76	43
820	Growth and Morbidity of Gambian Infants are Influenced by Maternal Milk Oligosaccharides and Infant Gut Microbiota. 2017 , 7, 40466	94
819	Effects of environmental pollutants on gut microbiota. 2017 , 222, 1-9	297
818	Gut Microbiome of the Canadian Arctic Inuit. 2017 , 2,	28
817	Parallel-META 3: Comprehensive taxonomical and functional analysis platform for efficient comparison of microbial communities. 2017 , 7, 40371	64
816	Latitude as a co-driver of human gut microbial diversity?. 2017 , 39, 1600145	16
815	The Interplay Between Neutrophils and CD8 T Cells Improves Survival in Human Colorectal Cancer. 2017 , 23, 3847-3858	97
814	Anaerobic Dechlorination of Tetrachlorobisphenol A in River Sediment and Associated Changes in Bacterial Communities. 2017 , 228, 1	8
813	Helicobacter pylori infection is associated with an altered gastric microbiota in children. 2017 , 10, 1169-1177	59
812	High-throughput automated microfluidic sample preparation for accurate microbial genomics. 2017 , 8, 13919	59
811	Natural killer T cells in atherosclerosis. 2017 , 14, 304-314	52
810	Patterns in Gut Microbiota Similarity Associated with Degree of Sociality among Sex Classes of a Neotropical Primate. 2017 , 74, 250-258	47
809	Human intestinal microbiota: Role in development and functioning of the nervous system. 2017 , 86, 1-18	26
808	Negative binomial mixed models for analyzing microbiome count data. 2017 , 18, 4	72
807	Effect of salinity on the microbial community and performance on anaerobic digestion of marine macroalgae. 2017 , 92, 2392-2399	29
806	Unraveling the processes shaping mammalian gut microbiomes over evolutionary time. 2017 , 8, 14319	195
805	Developmental trajectories of amphibian microbiota: response to bacterial therapy depends on initial community structure. 2017 , 19, 1502-1517	19
804	The microbiome and systemic lupus erythematosus. 2017 , 65, 432-437	33

803	Microbiote intestinal : qu'en attendre au plan physiologique et thrapeutique ?. 2017 , 72, 1-19	
802	Intestinal microbiota, fecal microbiota transplantation, and inflammatory bowel disease. 2017 , 8, 238-252	145
801	Meta-analysis of the human gut microbiome from urbanized and pre-agricultural populations. 2017 , 19, 1379-1390	83
800	The effect of heritability and host genetics on the gut microbiota and metabolic syndrome. 2017 , 66, 1031-1038	160
799	The human gut microbiome as source of innovation for health: Which physiological and therapeutic outcomes could we expect?. 2017 , 72, 21-38	22
798	Stress during pregnancy alters temporal and spatial dynamics of the maternal and offspring microbiome in a sex-specific manner. 2017 , 7, 44182	107
797	Protein Malnutrition Modifies Innate Immunity and Gene Expression by Intestinal Epithelial Cells and Human Rotavirus Infection in Neonatal Gnotobiotic Pigs. 2017 , 2,	25
796	Introduction to the special focus issue on the impact of diet on gut microbiota composition and function and future opportunities for nutritional modulation of the gut microbiome to improve human health. 2017 , 8, 75-81	44
795	Being overweight or obese is associated with harboring a gut microbial community not capable of metabolizing the soy isoflavone daidzein to O-desmethylangolensin in peri- and post-menopausal women. 2017 , 99, 37-42	24
794	Differential responses of human dendritic cells to metabolites from the oral/airway microbiome. 2017 , 188, 371-379	9
793	Unexplored Archaeal Diversity in the Great Ape Gut Microbiome. 2017 , 2,	53
792	The effects of probiotics on depressive symptoms in humans: a systematic review. 2017 , 16, 14	196
791	Alterations to the Gut Microbiome Impair Bone Strength and Tissue Material Properties. 2017 , 32, 1343-1353	74
790	Early exposure to agricultural soil accelerates the maturation of the early-life pig gut microbiota. 2017 , 45, 31-39	25
789	The Fecal Microbial Community of Breast-fed Infants from Armenia and Georgia. 2017 , 7, 40932	16
788	From Evolutionary Advantage to Disease Agents: Forensic Reevaluation of Host-Microbe Interactions and Pathogenicity. 2017 , 5,	7
787	Dietary fiber and prebiotics and the gastrointestinal microbiota. 2017 , 8, 172-184	579
786	Effects of several in-feed antibiotic combinations on the abundance and diversity of fecal microbes in weaned pigs. 2017 , 63, 402-410	10

785	Are probiotics useful for the average consumer?. 2017 , 42, 42-48	2
784	Role of the Gut Microbiome in the Pathogenesis of Obesity and Obesity-Related Metabolic Dysfunction. 2017 , 152, 1671-1678	217
783	One-year calorie restriction impacts gut microbial composition but not its metabolic performance in obese adolescents. 2017 , 19, 1536-1551	33
782	Comparison of Fecal Collection Methods for Microbiota Studies in Bangladesh. 2017 , 83,	34
781	The microbiome of the ant-built home: the microbial communities of a tropical arboreal ant and its nest. 2017 , 8, e01639	20
780	Dysbiosis and the immune system. 2017 , 17, 219-232	642
779	Fecal Bacterial Communities in treated HIV infected individuals on two antiretroviral regimens. 2017 , 7, 43741	45
778	Stability of 5P12-RANTES, A Candidate Rectal Microbicide, in Human Rectal Lavage. 2017 , 33, 768-777	11
777	Elimination diets' efficacy and mechanisms in attention deficit hyperactivity disorder and autism spectrum disorder. 2017 , 26, 1067-1079	38
776	Antibiotic-Induced Depletion of Anti-inflammatory Clostridia Is Associated with the Development of Graft-versus-Host Disease in Pediatric Stem Cell Transplantation Patients. 2017 , 23, 820-829	88
775	Differences in Gut Metabolites and Microbial Composition and Functions between Egyptian and U.S. Children Are Consistent with Their Diets. 2017 , 2,	75
774	Host genetic variation in mucosal immunity pathways influences the upper airway microbiome. 2017 , 5, 16	43
773	Determinants and Duration of Impact of Early Gut Bacterial Colonization. 2017 , 70, 246-250	12
772	Postmortem bacterial translocation. 2017 , 192-211	7
771	Functional relevance of microbiome signatures: The correlation era requires tools for consolidation. 2017 , 139, 1092-1098	17
770	Fecal microbiota transplantation-early steps on a long journey ahead. 2017 , 8, 199-204	2
769	Salivary microbiome of an urban Indian cohort and patterns linked to subclinical inflammation. 2017 , 23, 926-940	15
768	RTK: efficient rarefaction analysis of large datasets. 2017 , 33, 2594-2595	43

767	Gut Microbial Diversity in Antibiotic-Naive Children After Systemic Antibiotic Exposure: A Randomized Controlled Trial. 2017 , 64, 1147-1153	37
766	The microbiome in respiratory medicine: current challenges and future perspectives. 2017 , 49,	124
765	Tunable Expression Tools Enable Single-Cell Strain Distinction in the Gut Microbiome. 2017 , 169, 538-546.e12	101
764	Association of Maternal Gestational Weight Gain With the Infant Fecal Microbiota. 2017 , 65, 509-515	12
763	The Microbiome of the Prostate Tumor Microenvironment. 2017 , 72, 625-631	100
762	Perturbation of microbiota in one-day old broiler chickens with antibiotic for 24 hours negatively affects intestinal immune development. 2017 , 18, 241	55
761	Bacteroidales markers for microbial source tracking in Southeast Asia. 2017 , 118, 239-248	35
760	Data_Sheet_1.PDF. 2020 ,	
759	Data_Sheet_1.PDF. 2019 ,	
758	Data_Sheet_2.PDF. 2019 ,	
757	Data_Sheet_3.PDF. 2019 ,	
756	Data_Sheet_4.PDF. 2019 ,	
755	Data_Sheet_5.PDF. 2019 ,	
754	Data_Sheet_6.PDF. 2019 ,	
753	Data_Sheet_7.PDF. 2019 ,	
752	Table_1.xlsx. 2019 ,	
751	Table_2.xlsx. 2019 ,	
750	Table_3.pdf. 2019 ,	

749 Table_4.xlsx. 2019,

748 Table_5.xlsx. 2019,

747 Table_6.xlsx. 2019,

746 Table_7.xlsx. 2019,

745 Image_1.pdf. 2019,

744 Image_2.pdf. 2019,

743 Image_3.pdf. 2019,

742 Image_4.pdf. 2019,

741 Image_5.pdf. 2019,

740 Image_6.pdf. 2019,

739 Image_7.pdf. 2019,

738 Image_1.TIF. 2019,

737 Image_2.TIF. 2019,

736 Image_3.TIF. 2019,

735 Table_1.DOCX. 2019,

734 Data_Sheet_1.docx. 2018,

733 Image_1.pdf. 2019,

732 Image_2.pdf. 2019,

731 Image_3.pdf. 2019,

730 Image_4.pdf. 2019,

729 Image_5.pdf. 2019,

728 Table_1.xlsx. 2019,

727 Table_2.xlsx. 2019,

726 Table_3.xlsx. 2019,

725 Table_4.xlsx. 2019,

724 Table_5.xlsx. 2019,

723 Data_Sheet_1.pdf. 2018,

722 Image_1.TIFF. 2018,

721 Image_2.TIFF. 2018,

720 Image_3.TIFF. 2018,

719 Table_1.XLSX. 2018,

718 Table_2.XLSX. 2018,

717 Table_3.XLSX. 2018,

716 Data_Sheet_1.docx. 2020,

715 Table_1.DOCX. 2019,

714 Image1.JPEG. 2018,

713 Image2.JPEG. 2018,

712 Image3.JPEG. 2018,

711 Image4.JPEG. 2018,

710 Table1.DOCX. 2018,

709 Table2.DOCX. 2018,

708 Table3.XLSX. 2018,

707 Table4.docx. 2018,

706 Data_Sheet_1.docx. 2019,

705 Table_1.xlsx. 2019,

704 Table_2.xlsx. 2019,

703 Data_Sheet_1.pdf. 2020,

702 Table_1.XLSX. 2020,

701 Data_Sheet_1.pdf. 2020,

700 Data_Sheet_1.PDF. 2019,

699 Data_Sheet_2.zip. 2019,

698 Data_Sheet_3.PDF. 2019,

697 Data_Sheet_4.PDF. 2019,

696 Table_1.DOCX. 2019,

695 Table_2.XLSX. 2019,

694 Data_Sheet_1.pdf. 2020,

693 Image_1.jpg. 2019,

692 Image_2.jpg. 2019,

691 Image_3.jpg. 2019,

690 Image_4.jpg. 2019,

689 Table_1.docx. 2019,

688 Data_Sheet_1.PDF. 2019,

687 Presentation_1.pdf. 2020,

686 Presentation_2.PDF. 2020,

685 Presentation_3.PDF. 2020,

684 Table_1.XLS. 2020,

683 Image_1.TIFF. 2019,

682 Image_2.TIFF. 2019,

681 Image_3.TIFF. 2019,

680 Table_1.XLS. 2019,

679 Table_2.XLS. 2019,

678 Image_1.TIF. 2020,

677 Table_1.XLSX. 2019,

676 Table_2.XLSX. 2019,

675 Table_1.docx. 2020,

674 Data_Sheet_1.PDF. 2020,

673 Data_Sheet_2.pdf. 2020,

672 Image_1.TIFF. 2020,

671 Image_2.TIFF. 2020,

670 Table_1.XLSX. 2020,

669 Table_2.XLSX. 2020,

668 Table_3.XLSX. 2020,

667 Table_4.XLSX. 2020,

666 Table_5.XLSX. 2020,

665 Table_6.XLSX. 2020,

664 Data_Sheet_1.PDF. 2019,

663 Data_Sheet_1.XLSX. 2020,

662 Data_Sheet_2.pdf. 2020,

661 Presentation_1.pdf. 2019,

660 Presentation_1.pdf. 2018,

659 Data_Sheet_1.PDF. **2019,**

658 Table_1.docx. **2019,**

657 Data_Sheet_1.pdf. **2018,**

656 Video_1.MOV. **2018,**

655 Video_2.MOV. **2018,**

654 Video_3.MOV. **2018,**

653 Video_4.MOV. **2018,**

652 Video_5.MOV. **2018,**

651 Data_Sheet_1.docx. **2020,**

650 Negative binomial factor regression with application to microbiome data analysis.. **2022,** 1

649 Recent advances in modulation of cardiovascular diseases by the gut microbiota.. **2022,** 2

648 Microbiota in health and diseases.. **2022,** 7, 135 28

647 Longitudinal gut virome analysis identifies specific viral signatures that precede necrotizing enterocolitis onset in preterm infants.. **2022,** 4

646 Western lifestyle as a driver of dysbiosis in colorectal cancer. **2021,** 14, 0

645 The Role of Depletion of Gut Microbiota in Osteoporosis and Osteoarthritis: A Narrative Review.. **2022,** 13, 847401 1

644 Utilization of Host and Microbiome Features in Determination of Biological Aging.. **2022,** 10, 1

643 The interaction between gut microbiome and anti-tumor drug therapy.. **2021,** 11, 5812-5832

642 An analysis of the characteristics of the intestinal flora in patients with Parkinson's disease complicated with constipation.. **2021,** 13, 13710-13722

- 641 FEATURES OF INTESTINAL MICROBIOTA IN PATIENTS WITH NONALCOHOLIC FATTY LIVER DISEASE: EFFECTS ON MARKERS OF INFLAMMATION AND HEPATIC STEATOSIS. **2022**, 75, 611-618 0
- 640 The role of diet and physical activity in influencing the microbiota/microbiome. **2022**, 693-745
- 639 Longitudinal and Comparative Analysis of Gut Microbiota of Tunisian Newborns According to Delivery Mode.. **2022**, 13, 780568 0
- 638 The gut microbiome and early-life growth in a population with high prevalence of stunting.
- 637 Disordered development of gut microbiome interferes with the establishment of the gut ecosystem during early childhood with atopic dermatitis.. **2022**, 14, 2068366 1
- 636 Changing Dietary Habits: The Impact of Urbanization and Rising Socio-Economic Status in Families from Burkina Faso in Sub-Saharan Africa.. **2022**, 14, 1
- 635 Uremic Toxin-Producing Species Prevail in the Gut Microbiota of Taiwanese CKD Patients: An Analysis Using the New Taiwan Microbiome Baseline.. **2022**, 12, 726256 1
- 634 ABO genotype alters the gut microbiota by regulating GalNAc levels in pigs.. *Nature*, **2022**, 504 3
- 633 Maternal Microbiota as a Therapeutic Target. **2022**, 233-275
- 632 Association of gut microbiota with idiopathic membranous nephropathy.. **2022**, 23, 164 0
- 631 Optimisation and Application of a Novel Method to Identify Bacteriophages in Maternal Milk and Infant Stool Identifies Host-Phage Communities Within Preterm Infant Gut.. **2022**, 10, 856520
- 630 Multiple sclerosis patients have an altered gut mycobiome and increased fungal to bacterial richness.. **2022**, 17, e0264556 0
- 629 Gut microbiota of ring-tailed lemurs (*Lemur catta*) vary across natural and captive populations and correlate with environmental microbiota.. **2022**, 4, 29 2
- 628 Selective Maternal Seeding and Rearing Environment From Birth to Weaning Shape the Developing Piglet Gut Microbiome.. **2022**, 13, 795101 0
- 627 Diet-Based Microbiome Modulation: You are What You Eat. **2022**, 1-46
- 626 The cure from within? a review of the microbiome and diet in melanoma.. **2022**, 1
- 625 Developmental Profiling of Dietary Carbohydrate Digestion in Piglets.. **2022**, 13, 896660 0
- 624 Host-microbe interactions and outcomes in multiple myeloma and hematopoietic stem cell transplantation.. **2022**, 2

623	GutSkin Axis: Unravelling the Connection between the Gut Microbiome and Psoriasis. 2022 , 10, 1037	5
622	Gut Microbial Composition of Pacific Salmonids Differs across Oregon River Basins and Hatchery Ancestry. 2022 , 10, 933	0
621	Antibiotic Use and Vaccine Antibody Levels.. 2022 ,	0
620	Gastrointestinal Microbiota and Their Manipulation for Improved Growth and Performance in Chickens. 2022 , 11, 1401	3
619	Gut Microbial Antigenic Mimicry in Autoimmunity.. 2022 , 13, 873607	3
618	Incorporating the Gut Microbiome in the Risk Assessment of Xenobiotics and Identifying Beneficial Components for One Health. 2022 , 13,	2
617	Child saliva microbiota and caries: a randomized controlled maternal education trial in rural Uganda.. 2022 , 12, 7857	0
616	Geographically diverse canid sampling provides novel insights into pre-industrial microbiomes.. 2022 , 289, 20220052	0
615	The resistance within: Antibiotic disruption of the gut microbiome and resistome dynamics in infancy.. 2022 , 30, 675-683	1
614	The influence of maternal unhealthy diet on maturation of offspring gut microbiota in rat.. 2022 , 4, 31	1
613	Effects of Intestinal Flora on Irritable Bowel Syndrome and Therapeutic Significance of Polysaccharides. 2022 , 9,	1
612	Iron Supplementation at the Crossroads of Nutrition and Gut Microbiota: The State of the Art.. 2022 , 14,	0
611	Microbiome Profiling of Enterotoxigenic Escherichia coli (ETEC) Carriers Highlights Signature Differences between Symptomatic and Asymptomatic Individuals.. 2022 , e0015722	3
610	Mechanisms of Kwashiorkor-Associated Immune Suppression: Insights From Human, Mouse, and Pig Studies.. 2022 , 13, 826268	1
609	New Developments and Opportunities of Microbiota in Treating Breast Cancers. 2022 , 13,	0
608	Integrated analysis of multi-tissues lipidome and gut microbiome reveals microbiota-induced shifts on lipid metabolism in pigs. 2022 ,	0
607	Should we modulate the neonatal microbiome and what should be the goal?. 2022 , 10, 74	1
606	Dysbiosis in the Gut Microbiota in Patients with Inflammatory Bowel Disease during Remission.. 2022 , e0061622	2

605	Protective effect of cinnamaldehyde on channel catfish infected by drug-resistant <i>Aeromonas hydrophila</i> .. 2022 , 167, 105572	
604	The developing infant gut microbiome: A strain-level view.. 2022 , 30, 627-638	3
603	Microbiome and Development of Ovarian Cancer.. 2022 ,	
602	Association of antibiotics exposure within the first 2 years after birth with subsequent childhood type 1 diabetes.. 2022 , 1	0
601	Metabolic Synergy between Human Symbionts and .. 2022 , e0106722	1
600	Recent Trends of Microbiota-Based Microbial Metabolites Metabolism in Liver Disease. 2022 , 9,	0
599	The Use of Probiotic Therapy in Metabolic and Neurological Diseases.. 2022 , 9, 887019	0
598	The pediatric virome in health and disease.. 2022 , 30, 639-649	2
597	Oral Microbiome Research on Oral Lichen Planus: Current Findings and Perspectives. 2022 , 11, 723	0
596	[Fecal Microbiota Transfer (FMT) in Children and Adolescents - Review and statement by the GPGE microbiome working group].. 2022 , 60,	
595	Nutritional composition of traditional complementary foods in Nigeria and health/developmental outcomes: A systematic review. 2022 , 16, e01203	0
594	Hepatoprotective Effects of <i>Ixeris chinensis</i> on Nonalcoholic Fatty Liver Disease Induced by High-Fat Diet in Mice: An Integrated Gut Microbiota and Metabolomic Analysis. 2022 , 27, 3148	0
593	Pharmacomicrobiomics: Influence of gut microbiota on drug and xenobiotic metabolism.. 2022 , 36, e22350	1
592	Association between gut Microbiota, GROWth and Diet in peripubertal children from the TARGET Kids! cohort (The MiGrowD) study: protocol for studying gut microbiota at a community-based primary healthcare setting.. 2022 , 12, e057989	
591	Intake of a chicken protein-based or soy protein-based diet differentially affects growth performance, absorptive capacity, and gut microbiota in young rats.. 2022 , e2101124	
590	Citizen-science reveals changes in the oral microbiome in Spain through age and lifestyle factors.. 2022 , 8, 38	1
589	Human Gut Microbiome Across Different Lifestyles: From Hunter-Gatherers to Urban Populations.. 2022 , 13, 843170	1
588	Impact of seawater temperature on the Pacific oyster (<i>Crassostrea gigas</i>) microbiome and susceptibility to disease associated with Ostreid herpesvirus-1 (OsHV-1). 2022 ,	1

- 587 Pediatric Traumatic Brain Injury: An Update on Preclinical Models, Clinical Biomarkers, and the Implications of Cerebrovascular Dysfunction. **2022**, 14, 117957352210981
- 586 Microbiomes of microscopic marine invertebrates do not reveal signatures of phylosymbiosis. 1
- 585 Gut feelings: Associations of emotions and emotion regulation with the gut microbiome in women.
- 584 Robust Differential Abundance Test in Compositional Data. 1
- 583 Differences in feeding behavior and intestinal microbiota may relate to different growth rates of sea cucumbers (*Apostichopus japonicus*). **2022**, 738368
- 582 Mechanisms Involved in Gut Microbiota Regulation of Skeletal Muscle. **2022**, 2022, 1-15 1
- 581 Plasma Levels of Endocannabinoids and Their Analogues Are Related to Specific Fecal Bacterial Genera in Young Adults: Role in Gut Barrier Integrity. **2022**, 14, 2143 0
- 580 Metagenomics Combined with Activity-Based Proteomics Point to Gut Bacterial Enzymes that Reactivate Mycophenolate.
- 579 Human milk oligosaccharides and the infant gut microbiome from an eco-evolutionary perspective. **2022**, 68, 102156 0
- 578 The Role of Microbiota in *Drosophila melanogaster* Aging. **2022**, 3, 2
- 577 Comparative Genomic Analyses of Pathogenic Bacteria and Viruses and Antimicrobial Resistance Genes in an Urban Transportation Canal.
- 576 Development of gut microbiota during the first 2 years of life. **2022**, 12, 0
- 575 Humanization of wildlife gut microbiota in urban environments. 11, 2
- 574 An adaptive direction-assisted test for microbiome compositional data. 0
- 573 Machine Learning Advances in Microbiology: A Review of Methods and Applications. **2022**, 13, 0
- 572 A comparative study of the fecal microbiota of gray seal pups and yearlings - a marine mammal sentinel species. **2022**, 11, 1
- 571 Primary Biliary Cholangitis and Primary Sclerosing Cholangitis: Current Knowledge of Pathogenesis and Therapeutics. **2022**, 10, 1288 2
- 570 A synbiotics, long chain polyunsaturated fatty acids, and milk fat globule membranes supplemented formula modulates microbiota maturation and neurodevelopment closer to breastfed infants. **2022**, 1

- 569 The gut microbiome and the immune system. 219-233
- 568 Dynamic colonization of gut microbiota and its influencing factors among the breast-feeding infants during the first two years of life. 0
- 567 Halophilic Archaea Halorhabdus Rudnickae and Natrinema Salaciae Activate Human Dendritic Cells and Orient T Helper Cell Responses. **2022**, 13, 0
- 566 Identification and characterization of 3-ketosphinganine reductase activity encoded at the BT_0972 locus in Bacteroides thetaiotaomicron. **2022**, 100236 1
- 565 High-throughput, single-microbe genomics with strain resolution, applied to a human gut microbiome. **2022**, 376, 3
- 564 Genome-scale metabolic modelling of the human gut microbiome reveals changes of the glyoxylate and dicarboxylate metabolism in metabolic disorders. **2022**, 104513 0
- 563 Roles of Secretory Immunoglobulin A in Host-Microbiota Interactions in the Gut Ecosystem. **2022**, 13, 3
- 562 Patterns of Microbiome Composition Vary Across Spatial Scales in a Specialist Insect. **2022**, 13, 0
- 561 Multiomic Analyses of Nascent Preterm Infant Microbiomes Differentiation Suggest Opportunities for Targeted Intervention. 2101313 0
- 560 Microbial Dysbiosis Tunes the Immune Response Towards Allergic Disease Outcomes. 1
- 559 Modulation of gut microbiota by bioactive compounds for prevention and management of type 2 diabetes. **2022**, 152, 113148 4
- 558 Multiple sclerosis and the microbiota. **2022**, 10, 277-294 0
- 557 Role of gene regulation and inter species interaction as a key factor in gut microbiota adaptation. **2022**, 204, 0
- 556 Maternal gut microbiome-induced IgG regulates neonatal gut microbiome and immunity. **2022**, 7, 0
- 555 Analysis of the Therapeutic Effect of Changyanning on Intestinal Flora in Inflammatory Bowel Disease. **2022**, 2022, 1-8 1
- 554 A database of animal metagenomes. **2022**, 9, 0
- 553 The Role of Early Life Microbiota Composition in the Development of Allergic Diseases. **2022**, 10, 1190 0
- 552 Effect of 8-week intake of the omega-3 fatty acid-rich perilla oil on the gut function and as a fuel source for female athletes: A randomised trial. 1-36 0

551	Microbiome and immune-mediated dry eye: a review. 2022 , 7, e000956	0
550	Understanding the development and function of the gut microbiota in health and inflammation. 2022 , 13, e13-e21	1
549	Influences of land reclamation on soil bacterial communities of abandoned salt pans in the Yellow River Delta.	
548	Robust variation in infant gut microbiome assembly across a spectrum of lifestyles. 2022 , 376, 1220-1223	4
547	Examination of host genetic effects on nasal microbiome composition. 2022 ,	0
546	Community assembly correlates with alfalfa production by mediating rhizosphere soil microbial community composition in different planting years and regimes.	1
545	The microbiome-gut-brain axis in Parkinson disease: From basic research to the clinic.	7
544	Longitudinal Effects of Growth Restriction on the Murine Gut Microbiome and Metabolome.	
543	Investigation of fungal contamination in medicinal and edible Lycii Fructus through DNA metabarcoding.	
542	Spatially heterogeneous associations between the built environment and objective health outcomes in Japanese cities. 1-13	
541	Alteration of Gut Microbiota in Alzheimer's Disease and Their Relation to the Cognitive Impairment. 2022 , 1-12	1
540	The niche-specialist and age-related oral microbial ecosystem: crosstalk with host immune cells in homeostasis. 2022 , 8,	0
539	The Gut Microbiome of 54 Mammalian Species. 13,	0
538	How Diet and Physical Activity Modulate Gut Microbiota: Evidence, and Perspectives. 2022 , 14, 2456	4
537	The Gut Microbiota (Microbiome) in Cardiovascular Disease and Its Therapeutic Regulation. 12,	4
536	The Microbiome as a Gateway to Prevention of Allergic Disease Development. 2022 ,	1
535	Evolutionary Insights Into Microbiota Transplantation in Inflammatory Bowel Disease. 12,	1
534	Microbiome-Immune Interactions in Allergy and Asthma. 2022 ,	2

- 533 *Dendrobium nobile* protects against ovalbumin-induced allergic rhinitis by regulating intestinal flora and suppressing lung inflammation. **2022**, 20, 443-457 2
- 532 Loss of Novel Diversity in Human Gut Microbiota Associated with Ongoing Urbanization in China. 1
- 531 Altered mycobiota signatures and enriched pathogenic *Aspergillus rambellii* are associated with colorectal cancer based on multi-cohort fecal metagenomic analyses. **2022**, 3
- 530 Gut microbiota is associated with dietary intake and metabolic markers in healthy individuals. 0
- 529 Increased number of children in households may protect against inflammatory bowel disease.
- 528 The Role of the Gut Microbiota in the Effects of Early-Life Stress and Dietary Fatty Acids on Later-Life Central and Metabolic Outcomes in Mice. 0
- 527 Diet, Microbes, and Cancer Across the Tree of Life: a Systematic Review. 2
- 526 Utility and Privacy Assessment of Synthetic Microbiome Data. **2022**, 15-27 1
- 525 Intersections of the microbiome and early neurodevelopment. **2022**,
- 524 CHAPTER 1. Introduction and Background to Microbiome Research. **2022**, 1-17 0
- 523 Microbiome and Uveitides. A Review. **2022**, 78, 47-52
- 522 Psychobiotiques dans le traitement de la dépression : un nouveau regard sur la santé mentale [Une revue de recherche systématique. 125-152
- 521 Psychobiotics in the treatment of depression: a new look at mental health [A systematic search review. 125-152
- 520 Psychobiotika in der Behandlung von Depressionen: ein neuer Blick auf die psychische Gesundheit [Eine systematische Überprüfung der Suche. 125-152
- 519 Psicobiotici nel trattamento della depressione: un nuovo sguardo sulla salute mentale [Una revisione sistematica della ricerca. 125-152
- 518 Ontogeny of the B Cell Receptor Repertoire and Microbiome in Mice. **2022**, 208, 2713-2725
- 517  125-152
- 516 Host Age Prediction from Fecal Microbiota Composition in Male C57BL/6J Mice. **2022**, 10, 0

515	Turicibacter modifies host bile acids and lipids in a strain-specific manner.	0
514	Rational selection and Characterisation of bile acid (BA) metabolising species of infant origin.	
513	Different Fecal Microbiota in Hirschsprung's Patients With and Without Associated Enterocolitis. 13,	
512	Obesity and Gut Microbiota.	1
511	Analysis of 16S rRNA gene sequence of nasopharyngeal exudate from healthy donors reveals changes in key microbial communities associated with aging.	
510	A Class IIb Bacteriocin Plantaricin NC8 Modulates Gut Microbiota of Different Enterotypes in vitro. 9,	0
509	Gut microbiome and neurocritically ill patients. 2022 , 15, 1-11	
508	The impact of mass drug administration of antibiotics on the gut microbiota of target populations. 2022 , 11,	1
507	Altered gut microbiome composition and function are associated with gut barrier dysfunction in healthy relatives of patients with Crohn's disease. 2022 ,	4
506	Associations of gut microbiota with dyslipidemia based on sex differences in subjects from Northwestern China. 2022 , 28, 3455-3475	0
505	The Hepatoprotective and Hepatotoxic Roles of Sex and Sex-Related Hormones. 13,	0
504	Molecular mimicry between tumor associated antigens and microbiota-derived epitopes. 2022 , 20,	1
503	Nasal microbiota evolution within the congregate setting imposed by military training. 2022 , 12,	
502	Role of dietary fiber in promoting immune health An EAACI position paper.	4
501	Antibiotic exposure prevents acquisition of beneficial metabolic functions in the preterm infant gut microbiome. 2022 , 10,	2
500	Emerging role of human microbiome in cancer development and response to therapy: special focus on intestinal microflora. 2022 , 20,	5
499	The interplay between PCOS pathology and diet on gut microbiota in a mouse model. 2022 , 14,	0
498	Prebiotic effects of plant-derived (poly)phenols on host metabolism: Is there a role for short-chain fatty acids?. 1-9	0

- 497 The First 1000 Days: Assembly of the Neonatal Microbiome and Its Impact on Health Outcomes. **2022**, 1, 219-226 0
- 496 Symbiosis: the other cells in development. **2022**, 149, 0
- 495 Metagenomic comparison of gut communities between hawksbills (*Eretmochelys imbricata*) and green sea turtles (*Chelonia mydas*). **2022**, 204,
- 494 Psicobióticos no tratamento da depressão: um novo olhar para a saúde mental [revisão de busca sistematizada]. 125-152
- 493 Taxonomic and Functional Shifts in the Perinatal Gut Microbiome of Rhesus Macaques. 1
- 492 Microbiome Research as an Effective Driver of Success Stories in Agrifood Systems [A Selection of Case Studies]. 13, 0
- 491 Extensive gut virome variation and its associations with host and environmental factors in a population-level cohort.
- 490 Temporal Changes in Fecal Unabsorbed Carbohydrates Relative to Perturbations in Gut Microbiome of Neonatal Calves: Emerging of Diarrhea Induced by Extended-Spectrum β -Lactamase-Producing Enteroaggregative *Escherichia coli*. 13,
- 489 Gut Microbiota Composition and Metabolic Potential of Long-Living People in China. 14,
- 488 Absence of Bacteria Permits Fungal Gut-To-Brain Translocation and Invasion in Germfree Mice but Ageing Alone Does Not Drive Pathobiont Expansion in Conventionally Raised Mice. 14,
- 487 Maternal Prenatal Immunity, Neonatal Trained Immunity, and Early Airway Microbiota Shape Childhood Asthma Development. 0
- 486 The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. **2022**, 14, 2872 3
- 485 CrAssphage as an indicator of human-fecal contamination in water environment and virus reduction in wastewater treatment. **2022**, 221, 118827 1
- 484 Distance-based Techniques for Personal Microbiome Identification?. **2022**, 1
- 483 Comparative genomic analyses of pathogenic bacteria and viruses and antimicrobial resistance genes in an urban transportation canal. **2022**, 157652
- 482 Predicting cancer immunotherapy response from gut microbiomes using machine learning models. **2022**, 13, 876-889 1
- 481 Key features of the genetic architecture and evolution of host-microbe interactions revealed by high-resolution genetic mapping of the mucosa-associated gut microbiome in hybrid mice. 11, 0
- 480 Antibiotic and antifungal use in pediatric leukemia and lymphoma patients are associated with increasing opportunistic pathogens and decreasing bacteria responsible for activities that enhance colonic defense. 12, 0

- 479 Immunomodulation by Foods and Microbes - Unravelling the Molecular Tango. 1
- 478 Distribution and photosynthetic potential of epilithic periphyton along an altitudinal gradient in Jue River (Qinling Mountain, China). 0
- 477 An immunologist's guide to immunosenescence and its treatment. 1
- 476 Neonatal Diet and Gut Microbiome Development After C-Section During the First Three Months After Birth: A Systematic Review. 9, 0
- 475 Impact of indigenous microbiota in gut inflammatory disorders. **2022**, 179-209
- 474 Revealing In Silico that Bacteria's Outer Membrane Proteins may Help our Bodies Replicate and Carry Severe Acute Respiratory Syndrome Coronavirus 2. **2022**, 16, 117793222211163 0
- 473 The «microbiome» of post-liver transplant complications. **2022**, 24, 8-22
- 472 Potential risk factors for diabetes mellitus type 1. **2022**, 25, 256-266
- 471 Microbiota succession throughout life from the cradle to the grave. 5
- 470 Asthma and Wheeze Severity and the Oropharyngeal Microbiota in Children and Adolescents. 0
- 469 Dysbiosis in Gut Microbiota in Children Born Preterm Who Developed Autism Spectrum Disorder: A Pilot Study. 0
- 468 Gut microbiome and aging nexus and underlying mechanism. **2022**, 106, 5349-5358 0
- 467 Gut microbiota profile of patients on peritoneal dialysis: comparison with household contacts. 0
- 466 Material Engineering in Gut Microbiome and Human Health. **2022**, 2022, 1-32 1
- 465 Transcriptional programming in a Bacteroides consortium. **2022**, 13, 1
- 464 Gut Fungal Microbiome Responses to Natural Cryptosporidium Infection in Horses. 13, 0
- 463 Association between intestinal bacterial carriage, biomarkers of environmental enteric dysfunction, and stunting in rural Malawian children. 6, 78
- 462 The impact of dietary nutrient intake on gut microbiota in the progression and complications of chronic kidney disease. **2022**, 0

461	Role of the Gut-Brain Axis, Gut Microbial Composition, Diet, and Probiotic Intervention in Parkinson's Disease. 2022 , 10, 1544	3
460	THE ROLE OF ORAL MICROBIOTIC DISORDERS IN THE FORMATION OF SOMATIC AND DENTAL PATHOLOGY. 2022 , 18, 15-22	
459	Effect of a reduced fat and sugar maternal dietary intervention during lactation on the infant gut microbiome. 13,	0
458	Human gut bifidobacteria inhibit the growth of the opportunistic fungal pathogen <i>Candida albicans</i> .	
457	The asthma gut microbiota influences lung inflammation in gnotobiotic mice.	0
456	A comprehensive evaluation of microbial differential abundance analysis methods: current status and potential solutions. 2022 , 10,	0
455	Changes in fecal microbiota composition and the cytokine expression profile in school-aged children with depression: A case-control study. 13,	0
454	Evaluation of Prebiotics through an In Vitro Gastrointestinal Digestion and Fecal Fermentation Experiment: Further Idea on the Implementation of Machine Learning Technique. 2022 , 11, 2490	0
453	The association between early-life gut microbiota and childhood respiratory diseases: a systematic review. 2022 ,	3
452	Distinct Phenotypic Variation of <i>Blastocystis</i> sp. ST3 from Urban and Orang Asli Population: An Influential Consideration during Sample Collection in Surveys. 2022 , 11, 1211	0
451	The Effects of Physical Activity on the Gut Microbiota and the Gut-Brain Axis in Preclinical and Human Models: A Narrative Review. 2022 , 14, 3293	2
450	Using the canine microbiome to bridge translation of cancer immunotherapy from pre-clinical murine models to human clinical trials. 13,	0
449	Spotlight on the Gut Microbiome in Menopause: Current Insights. Volume 14, 1059-1072	3
448	Phanta: Phage-inclusive profiling of human gut metagenomes.	
447	Separating the effects of childhood and adult body size on inflammatory arthritis: a Mendelian randomisation study. 2022 , 8, e002321	0
446	Gut microbiota and COVID-19: An intriguing pediatric perspective. 2022 , 10, 8076-8087	
445	Prenatal antibiotics exposure does not influence experimental allergic asthma in mice. 13,	0
444	Development of the gut microbiota in healthy twins during the first 2 years of life and associations with body mass index z-score: Results from the Wuhan twin birth cohort study. 13,	

- 443 Intermittent fasting supports the balance of the gut microbiota composition. 0
- 442 Orofacial Clefts Alter Early Life Oral Microbiome Maturation Towards Dysbiosis. 1
- 441 The intestinal microbiome associated with lipid metabolism and obesity in humans and animals. 0
- 440 A Comparison of Rhizospheric and Endophytic Bacteria in Early and Late-Maturing Pumpkin Varieties. **2022**, 10, 1667 1
- 439 COVID-19 severity is associated with population-level gut microbiome variations. 12, 0
- 438 Colony but not social phenotype or status structures the gut bacteria of a eusocial mammal. **2022**, 76, 1
- 437 *Bacteroides thetaiotaomicron* outer membrane vesicles modulate virulence of *Shigella flexneri*. 1
- 436 Bile Salt Hydrolase-Competent Probiotics in the Management of IBD: Unlocking the Bile Acid Code **2022**, 14, 3212 1
- 435 Interplay between Intestinal Bacterial Communities and Unicellular Parasites in a Morbidly Obese Population: A Neglected Trinomial. **2022**, 14, 3211 1
- 434 Metagenomics combined with activity-based proteomics point to gut bacterial enzymes that reactivate mycophenolate. **2022**, 14, 0
- 433 Postnatal exposure to ambient air pollutants is associated with the composition of the infant gut microbiota at 6-months of age. **2022**, 14, 0
- 432 The role and molecular mechanism of gut microbiota in Graves' orbitopathy. 0
- 431 Higher pathogen load in children from Mozambique vs. USA revealed by comparative fecal microbiome profiling. **2022**, 2, 0
- 430 Delivery mode and risk of gastrointestinal disease in the offspring. 0
- 429 Gut microbiota supports male reproduction via nutrition, immunity, and signaling. 13, 0
- 428 How does age determine the development of human immune-mediated arthritis?. **2022**, 18, 501-512 1
- 427 The double-edged sword of probiotic supplementation on gut microbiota structure in *Helicobacter pylori* management. **2022**, 14, 0
- 426 Suppression of trimethylamine N-oxide with DMB mitigates vascular dysfunction, exercise intolerance, and frailty associated with a Western-style diet in mice. 1

- 425 Influenza: Toward understanding the immune response in the young. 10, 0
- 424 Individuality and ethnicity eclipse a short-term dietary intervention in shaping microbiomes and viromes. **2022**, 20, e3001758 0
- 423 Dietary interventions, the gut microbiome, and aggressive behavior: Review of research evidence and potential next steps. 2
- 422 Age as a primary driver of the gut microbial composition and function in wild harbor seals. **2022**, 12, 0
- 421 Fecal microbial signatures of healthy Han individuals from three bio-geographical zones in Guangdong. 13,
- 420 Association of Gut Microbial Genera with Heart Rate Variability in the General Japanese Population: The Iwaki Cross-Sectional Research Study. **2022**, 12, 730
- 419 Individual Nutrition Is Associated with Altered Gut Microbiome Composition for Adults with Food Insecurity. **2022**, 14, 3407
- 418 Epidemiological Studies of Children's Gut Microbiota: Validation of Sample Collection and Storage Methods and Microbiota Analysis of Toddlers' Feces Collected from Diapers. **2022**, 14, 3315
- 417 Association of Gut Microbiota Enterotypes with Blood Trace Elements in Women with Infertility. **2022**, 14, 3195 0
- 416 Taxonomic, genomic, and functional variation in the gut microbiomes of wild spotted hyenas across two decades of study.
- 415 Immune signaling as a node of interaction between systems that sex-specifically develop during puberty and adolescence. **2022**, 57, 101143 0
- 414 The Burden of Carbohydrates in Health and Disease. **2022**, 14, 3809 2
- 413 Stability and volatility shape the gut bacteriome and *Kazachstania slooffiae* dynamics in preweaning, nursery and adult pigs. **2022**, 12, 0
- 412 An Alternative Oat-Containing Ready-To-Use Therapeutic Food Does Not Alter Intestinal Permeability or the 16S Rrna Fecal Microbiome Configuration Among Children With Severe Malnutrition in Sierra Leone: A Randomized Controlled Trial. 0
- 411 Tissue-wide metabolomics reveals wide impact of gut microbiota on mice metabolite composition. **2022**, 12, 0
- 410 Gut microbiota development in the growing dog: A dynamic process influenced by maternal, environmental and host factors. 9, 2
- 409 Significant compositional and functional variation reveals the patterns of gut microbiota evolution among the widespread Asian honeybee populations. 13, 1
- 408 Landscape of the gut archaeome in association with geography, ethnicity, urbanization, and diet in the Chinese population. **2022**, 10, 0

407	Effects of High-Fat Diet on the Gut Microbiota of Renalase Gene Knockout Mice. 2022 , 2, 303-316	o
406	Gut dysbiosis and inflammatory blood markers precede HIV with limited changes after early seroconversion. 2022 , 84, 104286	o
405	Activity fingerprinting of polysaccharides on oral, gut, pancreas and lung microbiota in diabetic rats. 2022 , 155, 113681	o
404	Gut Microbiome Influence on Human Epigenetics, Health, and Disease. 2023 , 669-686	o
403	Microbiome-gut-brain axis in brain development, cognition and behavior during infancy and early childhood. 2022 , 66, 101038	o
402	Effects of dietary sodium acetate on intestinal health of juvenile <i>Trachinotus ovatus</i> based on multi-omics approach. 2023 , 562, 738776	o
401	Nutrition and Immunity. 2020 ,	o
400	Development of Gastrointestinal Function. 2020 ,	o
399	Protein. 2020 ,	o
398	Microbiome-based therapeutics: Opportunity and challenges. 2022 ,	o
397	Gut microbiome dysbiosis in malnutrition. 2022 ,	1
396	Hepatic drug metabolism and gut microbiome. 2022 ,	o
395	An introduction to human microbiome. 2022 ,	o
394	Early colonization of the human gut. 2022 , 15-36	o
393	Structure, functions, and diversity of the healthy human microbiome. 2022 ,	o
392	Recent insights into the role of microbiome in the pathogenesis of obesity. 2022 , 15, 175628482211153	1
391	Polypharmacology in Clinical Applications: Gastrointestinal Polypharmacology. 2022 , 301-321	o
390	Introduction. 2022 , 1-20	o

- 389 Impact of early nutrition on gut microbiota: Effects on immunity and long-term health. **2022**, 229-256 0
- 388 Impact of the gut microbiome on human health and diseases. **2022**, 25-40 0
- 387 The connection between diet, gut microbes, and cognitive decline. **2022**, 265-271 0
- 386 Interface of meta-omics in gut biome remediation to unravel the complications of environmental pollutants. **2023**, 183-206 0
- 385 Social complexity as a driving force of gut microbiota exchange among conspecific hosts in non-human primates. 16, 0
- 384 *Clostridium butyricum* Potentially Improves Immunity and Nutrition through Alteration of the Microbiota and Metabolism of Elderly People with Malnutrition in Long-Term Care. **2022**, 14, 3546 1
- 383 Exploring the Potential of Human Milk and Formula Milk on Infants Gut and Health. **2022**, 14, 3554 3
- 382 Comparative Analysis of Corrinoid Profiles across Host-Associated and Environmental Samples. 0
- 381 Early-life exposure to persistent organic pollutants, gut microbiota diversity and metabolites, and respiratory health in Norwegian children. 0
- 380 Advances in the human skin microbiota and its roles in cutaneous diseases. **2022**, 21, 3
- 379 Local and systemic effects of microbiome-derived metabolites. **2022**, 23, 0
- 378 Plant-Derived (Poly)phenols and Their Metabolic Outcomes: The Pursuit of a Role for the Gut Microbiota. **2022**, 14, 3510 1
- 377 The regulatory function of *Blastocystis* spp. on the immune inflammatory response in the gut microbiome. 12, 0
- 376 Gut microbial DL-endopeptidase alleviates Crohn's disease via the NOD2 pathway. **2022**, 2
- 375 A Pilot Study of the Gut Microbiota Associated With Depressive Symptoms and Sleep Disturbance Among Chinese and Korean Immigrants in the United States. 109980042211242 0
- 374 Gut microbe metabolism of small molecules supports human development across the early stages of life. 13, 1
- 373 The Role of the Microbiome in Pancreatic Cancer. **2022**, 14, 4479 2
- 372 Diet-microbiome-gut-brain nexus in acute and chronic brain injury. 16, 0

- 371 Links between host genetics, metabolism, gut microbiome and amoebic gill disease (AGD) in Atlantic salmon. **2022**, 4, ○
- 370 Einführung in das Mikrobiom. **2022**, 63, 1015-1021 ○
- 369 Ageing trajectory of the gut microbiota is associated with metabolic diseases in a chronological age-dependent manner. *gutjnl-2022-328034* ○
- 368 The neurovascular unit and systemic biology in stroke – Implications for translation and treatment. **2022**, 18, 597-612 ○
- 367 Is Stomach a Sterile Environment. 81-89 ○
- 366 Maternal effects on early-life gut microbiota maturation in a wild nonhuman primate. **2022**, ○
- 365 The Relevance of Host Gut Microbiome Signature Alterations on de novo Fatty Acids Synthesis in Patients with Multi-Drug Resistant Tuberculosis. Volume 15, 5589-5600 ○
- 364 Gut and oral microbiota associations with viral mitigation behaviors during the COVID-19 pandemic. 12, ○
- 363 Destructive plasticity and the microbial geopolitics of childhood malnutrition. 1-19 ○
- 362 Does ivermectin treatment for endemic hookworm infection alter the gut microbiota of endangered Australian sea lion pups?. ○
- 361 Salivary microbiome in chronic kidney disease: what is its connection to diabetes, hypertension, and immunity?. **2022**, 20, 1
- 360 Dynamics of the Gut Microbiome in Shigella -Infected Children during the First Two Years of Life. ○
- 359 The magnitude of sex differences in host-microbe interactions are time-of-day dependent. ○
- 358 Insight into the Fecal Microbiota Signature Associated with Growth Specificity in Korean Jindo Dogs Using 16S rRNA Sequencing. **2022**, 12, 2499 ○
- 357 Xenobiotic estradiol-17 β alters gut microbiota of hatchling American Alligators (Alligator mississippiensis). ○
- 356 Schizophrenia: the new etiological synthesis. **2022**, 104894 1
- 355 Stochastic variation in gut bacterial community affects reproductive rates in the water flea Daphnia magna. ○
- 354 Bacteroides thetaiotaomicron Outer Membrane Vesicles Modulate Virulence of Shigella flexneri. ○

353	Gut microbiome associations with host genotype vary across ethnicities and potentially influence cardiometabolic traits. 2022 ,	2
352	Age and micronutrient effects on the microbiome in a mouse model of zinc depletion and supplementation.	0
351	Hypertension and renal disease programming: focus on the early postnatal period. 2022 , 136, 1303-1339	0
350	Human milk microbiome is shaped by breastfeeding practices. 13,	0
349	Development and role of intestinal microbiota in term and preterm newborn babies. Accent on breast feeding. 2022 , 44-50	0
348	Extensive gut virome variation and its associations with host and environmental factors in a population-level cohort. 2022 , 13,	0
347	Osteoporosis and Microbiota.	0
346	The Microbiota of Human Lung of Pulmonary Tuberculosis and the Alteration Caused by Anti-tuberculosis Drugs. 2022 , 79,	0
345	Gastrointestinal Microbiome and Multiple Health Outcomes: Umbrella Review. 2022 , 14, 3726	0
344	Corynebacterium accolens inhibits Staphylococcus aureus induced mucosal barrier disruption. 13,	0
343	Limited microbiome differences in captive and semi-wild primate populations consuming similar diets. 2022 , 98,	1
342	Advancing human gut microbiota research by considering gut transit time. gutjnl-2022-328166	3
341	Role of probiotics/synbiotic supplementation in glycemic control: A critical umbrella review of meta-analyses of randomized controlled trials. 1-19	0
340	The Enigma of Prevotella copri. 2022 , 64-68	0
339	The Use of Gut Microbial Modulation Strategies as Interventional Strategies for Ageing. 2022 , 10, 1869	1
338	The composition of the gut microbiota is altered in biliary atresia with cholangitis. 9,	0
337	Intestinal Engineered Probiotics as Living Therapeutics: Chassis Selection, Colonization Enhancement, Gene Circuit Design, and Biocontainment.	0
336	Impact of gut microbiome on dyslipidemia in japanese adults: Assessment of the Shika-machi super preventive health examination results for causal inference. 12,	0

- 335 Mechanisms of Influence of Intestinal Microbiota on the Processes of Aging of the CNS and the Formation of Cognitive Disorders in Alzheimer's Disease. **2022**, 20, 98-111 ○
- 334 Conjunctival microbiota of newborns: Current state of the problem and clinical perspectives. **2022**, 5-9 ○
- 333 Dietary contributors to fermentable carbohydrate intake in healthy American college students. 1-11 ○
- 332 A multimodal intervention for Alzheimer's disease results in multifaceted systemic effects reflected in blood and ameliorates functional and cognitive outcomes. ○
- 331 Early Dysbiosis and Dampened Gut Microbe Oscillation Precede Motor Dysfunction and Neuropathology in Animal Models of Parkinson's Disease. **2022**, 1-18 ○
- 330 Longitudinal disease-associated gut microbiome differences in infants with food protein-induced allergic proctocolitis. **2022**, 10, ○
- 329 The mediating role of the gut microbiome in the association between ambient air pollution and autistic traits. **2022**, 246, 114047 ○
- 328 Variation in Gut Microbiota Composition is Associated with Sleep Quality and Cognitive Performance in Older Adults with Insomnia. Volume 14, 1753-1767 ○
- 327 Mendelian randomization analyses reveal causal relationships between the human microbiome and longevity. ○
- 326 Altered gut microbiome diversity and function in patients with propionic acidemia. **2022**, ○
- 325 Bacteroides abundance drives birth mode dependent infant gut microbiota developmental trajectories. 13, 1
- 324 Microbiome epidemiology and association studies in human health. ○
- 323 The role of microbiota in the development of colorectal cancer. **2022**, 209-215 ○
- 322 Early life dynamics of ARG and MGE associated with intestinal virome in neonatal piglets. **2022**, 274, 109575 ○
- 321 Visual Atlas Analysis on Literature of Intestinal Flora Based on CiteSpace Bibliometrics. **2022**, 12, 9352-9362 ○
- 320 The gut microbiome in health and disease: Inflammatory bowel diseases. **2022**, ○
- 319 Pathophysiology of polycystic ovary syndrome revisited: Current understanding and perspectives regarding future research. **2022**, 21, 2
- 318 STUDYING THE GUT MICROBIOME IN PEOPLE OVER 60. **2022**, 32, 81-87 ○

317	Impact of Air Pollution on the Composition and Diversity of Human Gut Microbiota in General and Vulnerable Populations: A Systematic Review. 2022 , 10, 579	0
316	Gut Microbiota in Nutrition and Health with a Special Focus on Specific Bacterial Clusters. 2022 , 11, 3091	1
315	Nasal Microbiome and Its Interaction with the Host in Childhood Asthma. 2022 , 11, 3155	1
314	Exploring species-level infant gut bacterial biodiversity by meta-analysis and formulation of an optimized cultivation medium. 2022 , 8,	0
313	Allergic Inflammation: Effect of Propolis and Its Flavonoids. 2022 , 27, 6694	3
312	Dietary xenobiotics, (poly)phenols and fibers: Exploring associations with gut microbiota in socially vulnerable individuals. 9,	0
311	Multi-angle meta-analysis of the gut microbiome in Autism Spectrum Disorder: a step toward understanding patient subgroups. 2022 , 12,	0
310	Role of gut microbiota in the pathogenesis and treatment of diabetes mellitus: Advanced research-based review. 13,	1
309	Progress in research on gut microbiota in ethnic minorities in China and consideration of intervention strategies based on ethnic medicine: A review. 12,	0
308	Elucidating the gut microbiome alterations of tribal community of Arunachal Pradesh: perspectives on their lifestyle or food habits. 2022 , 12,	0
307	Effects of captive and primate-focused tourism on the gut microbiome of Tibetan macaques. 13,	0
306	Nutrition, Gut Microbiota, and Allergy Development in Infants. 2022 , 14, 4316	0
305	Gut Microbiota Profiles in Children and Adolescents with Psychiatric Disorders. 2022 , 10, 2009	0
304	Effects of Probiotics and Gut Microbiota on Bone Metabolism in Chickens: A Review. 2022 , 12, 1000	1
303	11. Food microbiology. 2022 , 215-245	0
302	Post-Mortem Interval and Microbiome Analysis through 16S rRNA Analysis: A Systematic Review. 2022 , 12, 2641	0
301	The role of the gut microbiota in health and cardiovascular diseases. 2022 , 3,	3
300	FABP4 in Paneth cells regulates antimicrobial protein expression to reprogram gut microbiota. 2022 , 14,	0

- 299 Enterotoxin tilimycin from gut-resident *Klebsiella* promotes mutational evolution and antibiotic resistance in mice. **2022**, 7, 1834-1848 1
- 298 Gut microbiota and myocardial fibrosis. **2022**, 175355 0
- 297 The Role of the Gut Microbiome in Cow Milk Allergy: A Clinical Approach. **2022**, 14, 4537 0
- 296 Environmental Determination of Indigenous Bifidobacteria of the Human Intestine. **2022**, 92, 629-635 0
- 295 Changes in Gut Microbiota Structure: A Potential Pathway for Silver Nanoparticles to Affect the Host Metabolism. 0
- 294 Antibiotics in the pathogenesis of diabetes and inflammatory diseases of the gastrointestinal tract. 0
- 293 Cross-sex cecal microbiota transfer alters depressive-like behaviours in mice. 0
- 292 Exploratory studies of oral and fecal microbiome in healthy human aging. 3, 0
- 291 Importance of Microbiome of Fecal Samples Obtained from Adolescents with Different Weight Conditions on Resistance Gene Transfer. **2022**, 10, 1995 0
- 290 Antibiotika-assoziierte Diarrhoe. 0
- 289 Microbiome in Anxiety and Other Psychiatric Disorders. **2022**, 0
- 288 Optimization of Urease Production Capacity of a Novel Salt-Tolerant *Staphylococcus xylosum* Strain through Response Surface Modeling. **2022**, 14, 13623 0
- 287 An unexpected connection: A narrative review of the associations between Gut Microbiome and Musculoskeletal Pain. 0
- 286 Linking Puberty and the Gut Microbiome to the Pathogenesis of Neurodegenerative Disorders. **2022**, 10, 2163 0
- 285 Helminths and Bacterial Microbiota: The Interactions of Two of Humans' Old Friends **2022**, 23, 13358 0
- 284 The Potential Impact of Age on Gut Microbiota in Patients with Major Depressive Disorder: A Secondary Analysis of the Prospective Observational Study. **2022**, 12, 1827 0
- 283 Combining Sensory Experiences with Internal Milieu in the Brain. **2022**, 1-4 0
- 282 A distinct clade of *Bifidobacterium longum* in the gut of Bangladeshi children thrives during weaning. **2022**, 2

281	Study Design and Rationale for the PAASIM Project, a Matched Cohort Study on Urban Water Supply Improvements and Infant Enteric Pathogen Infection, Gut Microbiome Development, and Health in Mozambique.	0
280	Microbiome and Human Health: Current Understanding, Engineering, and Enabling Technologies.	0
279	The Influence of the Gut Microbiome in Paediatric Cancer Origin and Treatment. 2022 , 11, 1521	0
278	Understanding the influence of simulated elderly gastrointestinal conditions on nutrient digestibility and functional properties. 2022 , 129, 283-295	0
277	Sampling from four geographically divergent young female populations demonstrates forensic geolocation potential in microbiomes. 2022 , 12,	1
276	The impact of microbiota on PD-1/PD-L1 inhibitor therapy outcomes: A focus on solid tumors. 2022 , 310, 121138	0
275	Rationale and study protocol for a randomized controlled feeding study to determine the structural- and functional-level effects of diet-specific interventions on the gut microbiota of non-Hispanic black and white adults. 2022 , 123, 106968	0
274	Trends in the plant-based anti-aging diet in different continents of the world. 2023 , 405-428	0
273	Farmen i tarmen DEL 1 AV 2. 2017 , 15, 14-22	0
272	Precision Nutrition from the View of the Gut Microbiome. 2022 , 67-96	0
271	Molecular analysis of <i>Proteus mirabilis</i> virulence genes isolated from urinary tract infections from Baquba teaching hospital. 2022 ,	0
270	Exposure to polyethylene microplastics alters immature gut microbiome in an infant in vitro gut model. 2023 , 443, 130383	0
269	The Skin Microbiome in Patients with Acne Vulgaris. 45-50	0
268	Towards Optimised Management of Cow Milk Protein Allergy. 50-59	0
267	Manipulation of the diet-microbiota-brain axis in Alzheimer disease. 16,	1
266	Impact of intestinal dysbiosis on breast cancer metastasis and progression. 12,	0
265	Gut microbial response to host metabolic phenotypes. 9,	0
264	Fiber-like Action of d-Fagomine on the Gut Microbiota and Body Weight of Healthy Rats. 2022 , 14, 4656	0

263	Dietary Polyphenols as Prospective Natural-Compound Depression Treatment from the Perspective of Intestinal Microbiota Regulation. 2022 , 27, 7637	1
262	Research on the Gut Microbiota of Hainan Black Goat. 2022 , 12, 3129	0
261	The Role of the Gut Microbiota in the Relationship Between Diet and Human Health. 2023 , 85,	0
260	Lifelong temporal dynamics of the gut microbiome associated with longevity in mice.	0
259	Interrogation of the mammalian gut-brain axis using LCMS/MS-based targeted metabolomics with in vitro bacterial and organoid cultures and in vivo gnotobiotic mouse models.	0
258	Human milk microbial species are associated with infant head-circumference during early and late lactation in Guatemalan mother-infant dyads. 13,	0
257	Effects of different grains on bacterial diversity and enzyme activity associated with digestion of starch in the foal stomach. 2022 , 18,	0
256	Sociability in a non-captive macaque population is associated with beneficial gut bacteria. 13,	0
255	Effect of a Novel E3 Probiotics Formula on the Gut Microbiome in Atopic Dermatitis Patients: A Pilot Study. 2022 , 10, 2904	0
254	Cow microbiome from antepartum to postpartum: A long-term study covering two physiological challenges. 13,	0
253	Gut microbiome studies in CKD: opportunities, pitfalls and therapeutic potential.	2
252	Following the Indian Immigrant: adoption of westernization results in a western gut microbiome and an increased risk of inflammatory bowel diseases.	0
251	Effect of a Bifidobacterium-Containing Acid-Resistant Microcapsule Formulation on Gut Microbiota: A Pilot Study. 2022 , 14, 4829	0
250	Associations of disordered eating with the intestinal microbiota and short-chain fatty acids among young adults with type 1 diabetes. 2022 ,	0
249	Continuous rather than solely early farm exposure protect from hay fever development.. 2022 ,	0
248	Role of the intestinal microbiota in the pathogenesis of multiple sclerosis. Part 1. Clinical and experimental evidence for the involvement of the gut microbiota in the development of multiple sclerosis. 2022 , 2, 9-36	0
247	Meconium Microbiota Composition and Association with Birth Delivery Mode. 2022 , 2022, 1-18	1
246	Update on gut microbiota in cardiovascular diseases. 12,	2

- 245 Personalized Diets based on the Gut Microbiome as a Target for Health Maintenance: from Current Evidence to Future Possibilities. **2022**, 1
- 244 The role and therapeutic potential of gut microbiome in severe burn. **12**, 0
- 243 Anaerobic Bacteria. **2023**, 1004-1013.e3 0
- 242 Exploring genetic and immune underpinnings of the sexual dimorphism in tumor response to immune checkpoints inhibitors: A narrative review. **2023**, 4, 100146 0
- 241 Gut microbiome and metabolites, the future direction of diagnosis and treatment of atherosclerosis?. **2023**, 187, 106586 1
- 240 The Association Between the Urinary Microbiome and Bladder Cancer. **2023**, 50, 81-89 1
- 239 The effect of microbiome composition on impulsive and violent behavior: A systematic review. **2023**, 440, 114266 1
- 238 Role of enteric glia and microbiota-gut-brain axis in parkinson disease pathogenesis. **2023**, 84, 101812 0
- 237 Potential mechanism of humic acid attenuating toxicity of Pb²⁺ and Cd²⁺ in Vallisneria natans. **2023**, 864, 160974 0
- 236 Microbioma y enfermedades crónicas. **2022**, 67, 284-292 0
- 235 Microbiota in a long survival discourse with the human host. **2023**, 205, 1
- 234 The Human Milk Microbiota Produces Potential Therapeutic Biomolecules and Shapes the Intestinal Microbiota of Infants. **2022**, 23, 14382 1
- 233 This is the Nut You Should be Eating for Better Gut Health. 0
- 232 Sex, puberty, and the gut microbiome. **2022**, 0
- 231 Do we need to change our perspective about gut biomarkers? A public data mining approach to identify differentially abundant bacteria in intestinal inflammatory diseases. **12**, 0
- 230 The nonindustrialised microbiome in a modern world. **2022**, 136, 1683-1690 0
- 229 Exploring the relationship between novel Coronavirus pneumonia and Parkinson's disease. **2022**, 101, e31813 0
- 228 Bifidobacterium animalis subsp. lactis Probio-M8 undergoes host adaptive evolution by glcU mutation and translocates to the infant's gut via oral-/entero-mammary routes through lactation. **2022**, 10, 0

227	Falcon gut microbiome is shaped by diet and enriched in Salmonella.	0
226	Characterization of microbial communities from gut microbiota of hypercholesterolemic and control subjects. 12,	1
225	Perspective Chapter: Emergency COVID-19 Guidelines Impacts on the Human Microbiome and Immune System.	0
224	Minocycline-induced disruption of the intestinal FXR-FGF15 axis impairs osteogenesis in mice.	0
223	Do Cultures from Percutaneously Drained Intra-abdominal Abscesses Change Treatment: A Retrospective Review. Publish Ahead of Print,	0
222	Ancient oral microbiomes support gradual Neolithic dietary shifts towards agriculture. 2022, 13,	0
221	Developmental origins of disease highlight the immediate need for expanded access to comprehensive prenatal care. 10,	0
220	Rumen microbiota-host transcriptome interaction mediates the protective effects of trans-10, cis-12 CLA on facilitating weaning transition of lambs. 2022,	0
219	Healthy microbiome [a mere idea or a sound concept?. 2022, 71, 719-738	1
218	Maternal obesity and resistance to breast cancer treatments among offspring: Link to gut dysbiosis. 2022, 5,	0
217	Analysis of correlations between gut microbiota, stool short chain fatty acids, calprotectin and cardiometabolic risk factors in postmenopausal women with obesity: a cross-sectional study. 2022, 20,	0
216	The History of the Intestinal Microbiota and the Gut-Brain Axis. 2022, 11, 1540	0
215	Time-scale analysis of the long-term variability of human gut microbiota characteristics in Chinese individuals. 2022, 5,	0
214	Dependence of Intestinal Microbiota Composition on Distribution and Activity of Adipose Tissue in Nonalcoholic Fatty Liver Disease. 2022, 84, 51-59	0
213	Environmental influences on childhood asthma—the effect of diet and microbiome on asthma. 2022, 33,	0
212	Lactobacillus reuteri improves the development and maturation of fecal microbiota in piglets through mother-to-infant microbe and metabolite vertical transmission. 2022, 10,	0
211	Microbiome Therapeutics for Food Allergy. 2022, 14, 5155	0
210	Human microbiome and microbiota identification for preventing and controlling healthcare-associated infections: A systematic review. 10,	0

209	Gut Microbiome and Its Impact on Obesity and Obesity-Related Disorders.	2
208	The Role of the Microbiome in Connective-Tissue-Associated Interstitial Lung Disease and Pulmonary Vasculitis. 2022 , 10, 3195	0
207	Fecal microbiota transplantation in childhood: past, present, and future.	0
206	Interventions on Gut Microbiota for Healthy Aging. 2023 , 12, 34	2
205	From fecal microbiota transplantation toward next-generation beneficial microbes: The case of <i>Anaerobutyricum soehngenii</i> . 9,	0
204	Gut microbiota analyses of Saudi populations for type 2 diabetes-related phenotypes reveals significant association. 2022 , 22,	1
203	Sex differences in the oral microbiome, host traits and their causal relationships. 2022 , 105839	0
202	The Spatial Features and Temporal Changes in the Gut Microbiota of a Healthy Chinese Population. 2022 , 10,	0
201	The gut microbiome: linking dietary fiber to inflammatory diseases. 2022 , 14, 100070	0
200	Stool multi-omics for the study of host-microbe interactions in inflammatory bowel disease. 2022 , 14,	1
199	A cohort study of intrapartum group B streptococcus prophylaxis on atopic dermatitis in 2-year-old children. 2022 , 22,	0
198	Age and micronutrient effects on the microbiome in a mouse model of zinc depletion and supplementation. 2022 , 17, e0275352	0
197	Gut microbiota of endangered Australian sea lion pups is unchanged by topical ivermectin treatment for endemic hookworm infection. 13,	0
196	Taxonomic, Genomic, and Functional Variation in the Gut Microbiomes of Wild Spotted Hyenas Across 2 Decades of Study.	0
195	Mobile genetic elements from the maternal microbiome shape infant gut microbial assembly and metabolism. 2022 , 185, 4921-4936.e15	0
194	The Role of the Gut Microbiome in Pediatric Obesity and Bariatric Surgery. 2022 , 23, 15421	0
193	Probiotic supplementation improved cognitive function in cognitively impaired and healthy older adults: a systematic review of recent trials.	0
192	Influence of occupational exposure to pigs or chickens on human gut microbiota composition in Thailand. 2022 , 15, 100463	0

191	Microbiota analysis for risk assessment of xenobiotics: toxicomicrobiomics, incorporating the gut microbiome in the risk assessment of xenobiotics and identifying beneficial components for One Health. 2022 , 20,	0
190	A Non-Randomized Trial Investigating the Impact of Brown Rice Consumption on Gut Microbiota, Attention, and Short-Term Working Memory in Thai School-Aged Children. 2022 , 14, 5176	0
189	Gut microbiota in dementia with Lewy bodies. 2022 , 8,	0
188	The Gut Microbiome of Children during the COVID-19 Pandemic. 2022 , 10, 2460	0
187	Healthy dietary patterns are associated with the gut microbiome in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). 2022 ,	0
186	Critical features of an in vitro intestinal absorption model to study the first key aspects underlying food allergen sensitization.	0
185	Untargeted Fecal Metabolomic Analyses across an Industrialization Gradient Reveal Shared Metabolites and Impact of Industrialization on Fecal Microbiome-Metabolome Interactions. 2022 , 7,	0
184	Gut Dysbiosis in Children with Cystic Fibrosis: Development, Features and the Role of Gut-Lung Axis on Disease Progression. 2023 , 11, 9	0
183	Analyzing Predominant Bacterial Species and Potential Short-Chain Fatty Acid-Associated Metabolic Routes in Human Gut Microbiome Using Integrative Metagenomics. 2023 , 12, 21	0
182	Environmental enteric dysfunction: gut and microbiota adaptation in pregnancy and infancy.	2
181	Increased Proportion of Fiber-Degrading Microbes and Enhanced Cecum Development Jointly Promote Host To Digest Appropriate High-Fiber Diets.	0
180	Mucosal microbiome is predictive of pediatric Crohn's disease across geographic regions in North America. 11, 156	0
179	Intestinal epithelial HDAC3 and MHC class II coordinate microbiota-specific immunity.	0
178	Chronic Recurrent Multifocal Osteomyelitis (CRMO) and Juvenile Spondyloarthritis (JSpA): To What Extent Are They Related?. 2023 , 12, 453	0
177	The Microbiome in Neurogastroenterology. 2022 , 73-93	0
176	Behavior in the Middle Pleistocene. 2022 , 461-494	0
175	The gut-microbiota-brain axis in a Spanish population in the aftermath of the COVID-19 pandemic: microbiota composition linked to anxiety, trauma, and depression profiles. 2023 , 15,	1
174	Ageing of the Gut Microbiome and Its Potential Contribution Towards Immunesenescence and Inflammaging. 2023 , 41-63	0

173	Breast cancer patients from the Midwest region of the United States have reduced levels of short-chain fatty acid-producing gut bacteria. 2023 , 13,	0
172	The person-to-person transmission landscape of the gut and oral microbiomes.	4
171	Where the social meets the biological: new ontologies of biosocial race. 2023 , 201,	0
170	Polyphenols in Health and Disease: Gut Microbiota, Bioaccessibility, and Bioavailability. 2023 , 3, 40-72	3
169	Fecal microbiota and inflammatory and antioxidant status of obese and lean dogs, and the effect of caloric restriction. 13,	0
168	Neuromicrobiology, an emerging neurometabolic facet of the gut microbiome?. 14,	1
167	Age influences the temporal dynamics of microbiome and antimicrobial resistance genes among fecal bacteria in a cohort of production pigs. 2023 , 5,	0
166	The fecal and oropharyngeal eukaryotic viromes of healthy infants during the first year of life are personal. 2023 , 13,	0
165	Microbiome and Asthma: Microbial Dysbiosis and the Origins, Phenotypes, Persistence, and Severity of Asthma. 2023 , 15, 486	0
164	Study of altered gut microbial dynamics and their association with gestational diabetes mellitus.	0
163	Malignant Prostate Tissue Is Associated with Different Microbiome Gene Functions. 2023 , 13, 278	0
162	Fructooligosaccharides (FOS) differentially modifies the in vitro gut microbiota in an age-dependent manner. 9,	0
161	Characterization of serum biomarkers and antibody responses against Prevotella spp. in preclinical and new-onset phase of rheumatic diseases. 12,	0
160	Carbon Amendments Shape the Bacterial Community Structure in Salinized Farmland Soil.	0
159	Is there a difference in fecal microbiota of children with and without voiding dysfunction?. 2022 , 94, 455-458	0
158	Gut Microbiota Signature of Obese Adults Across Different Classifications. Volume 15, 3933-3947	1
157	Causal effects of gut microbiota on scoliosis: A Mendelian randomization study.	0
156	The Relationship Between Diet, Gut Microbiota, and Serum Metabolome of South Asian Infants at 1 Year. 2022 ,	0

- 155 Exogenous antibiotic resistance gene contributes to intestinal inflammation by modulating the gut microbiome and inflammatory cytokine responses in mouse. **2023**, 15, ○
- 154 Exploring the regulatory mechanism of osteoporosis based on intestinal flora: A review. **2022**, 101, e32499 ○
- 153 Characterization of the Gut Microbiota of Mackerel Icefish, *Champsocephalus gunnari*. **2023**, 8, 13 ○
- 152 Comparative Analysis of Rumen Bacterial Profiles and Functions during Adaption to Different Phenology (Regreen vs. Grassy) in Alpine Merino Sheep with Two Growing Stages on an Alpine Meadow. **2023**, 9, 16 ○
- 151 Gut Microbiota Alterations and Primary Glomerulonephritis in Children: A Review. **2023**, 24, 574 ○
- 150 Characterisation of human milk bacterial DNA profiles in a small cohort of Australian women in relation to infant and maternal factors. **2023**, 18, e0280960 ○
- 149 The Intestinal Microbiota Composition of Chipmunk (*Tamias sibiricus*) in the Broad-Leaved and Korean Pine Mixed Forest in Summer. **2023**, 12, 35-44 ○
- 148 Exercise changes gut microbiota [A new idea to explain that exercise improves autism. ○
- 147 The human microbiome: A promising target for lung cancer treatment. 14, ○
- 146 Exploring the effects of weaning age on adult infectious disease mortality among 18th-19th century Italians. ○
- 145 Early life stress, depression and epigenetics. **2023**, ○
- 144 Orofacial clefts alter early life oral microbiome maturation towards higher levels of potentially pathogenic species: A prospective observational study. **2023**, 15, ○
- 143 Three Innovations of Next-Generation Antibiotics: Evolvability, Specificity, and Non-Immunogenicity. **2023**, 12, 204 ○
- 142 Understanding the role of the gut microbiome in gastrointestinal cancer: A review. 14, ○
- 141 The regulatory effects of second-generation antipsychotics on lipid metabolism: Potential mechanisms mediated by the gut microbiota and therapeutic implications. 14, 1
- 140 Gut microbiota and its metabolites [Molecular mechanisms and management strategies in diabetic kidney disease. 14, ○
- 139 A case-control study of the association between the gut microbiota and colorectal cancer: exploring the roles of diet, stress, and race. ○
- 138 Effects of Perinatal Antibiotic Exposure and Neonatal Gut Microbiota. **2023**, 12, 258 ○

- 137 Esophagogastric microbiome Internal and external influences effecting variance. **2023**, 163-176 ○
- 136 Research progress on adaptive modifications of the gut microflora and regulation of host glucose and lipid metabolism by cold stimulation. **2023**, 3, 13-21 ○
- 135 Prospective Placebo-Controlled Assessment of Spore-Based Probiotic Supplementation on Sebum Production, Skin Barrier Function, and Acne. **2023**, 12, 895 ○
- 134 Longitudinal comparison of the developing gut virome in infants and their mothers. **2023**, 31, 187-198.e3 ○
- 133 Clinical response in dogs with acute hemorrhagic diarrhea syndrome following randomized probiotic treatment or fecal microbiota transplant. 10, ○
- 132 Beer and Microbiota: Pathways for a Positive and Healthy Interaction. **2023**, 15, 844 ○
- 131 Administration of *Bifidobacterium animalis* subsp. *lactis* Strain BB-12[®] in Healthy Children: Characterization, Functional Composition, and Metabolism of the Gut Microbiome. ○
- 130 Associations between Accelerometer-Measured Physical Activity and Fecal Microbiota in Adults with Overweight and Obesity. **2023**, 55, 680-689 ○
- 129 Disease mechanisms as subtypes: Microbiome. **2023**, 107-131 ○
- 128 Impacts of age on the gut microbiota in captive giant pandas. ○
- 127 Host Factors Associated with Gut Mycobiome Structure. 1
- 126 Altered Faecal Microbiota Composition and Structure of Ghanaian Children with Acute Gastroenteritis. **2023**, 24, 3607 ○
- 125 Identification reproducible microbiota biomarkers for the diagnosis of cirrhosis and hepatocellular carcinoma. **2023**, 13, ○
- 124 Maternal Rumen Bacteriota Shapes the Offspring Rumen Bacteriota, Affecting the Development of Young Ruminants. **2023**, 11, ○
- 123 Maternal procymidone exposure has lasting effects on murine gut-liver axis and glucolipid metabolism in offspring. **2023**, 174, 113657 1
- 122 Fecal microbiota transplantation reduces mouse mortality from *Listeria monocytogenes* infection. **2023**, 178, 106036 ○
- 121 Metagenomic insights into dietary remodeling of gut microbiota and antibiotic resistome in meat rabbits. **2023**, 874, 162006 ○
- 120 Effects of pair-housing pubertal and adult male and female mice on LPS-induced age-dependent immune responses: A potential role for the gut microbiota. **2023**, 110, 297-309 ○

- 119 Role of microbiota short-chain fatty acids in the pathogenesis of autoimmune diseases. **2023**, 162, 114620 ○
- 118 The Effect of a Planetary Health Diet on the Human Gut Microbiome: A Descriptive Analysis. **2023**, 15, 1924 ○
- 117 Microorganisms in the Pathogenesis and Management of Crohn's Disease (CD). **2022**, 255-269 ○
- 116 DISTURBED PEDIATRIC GUT MICROBIOME MATURATION IN THE DEVELOPMENTAL ORIGINS OF SUBSEQUENT CHRONIC DISEASE. Publish Ahead of Print, ○
- 115 Early response of the gut microbiome and serum metabolites to Cheonggukjang intake in healthy Korean subjects. **2023**, 101, 105420 ○
- 114 Gut Microbiota in Colorectal Cancer: Biological Role and Therapeutic Opportunities. **2023**, 15, 866 ○
- 113 Comparison of Human gut Microbiota with other Animals. **2022**, 5541-5547 ○
- 112 Possibilities of Autologous Fecal Microbiota Transplantation in patients with obesity and diabetes mellitus. **2023**, 19, 300-305 ○
- 111 Gut microbiota variation between climatic zones and due to migration strategy in passerine birds. 14, ○
- 110 The influence of maternal factors on the neonatal microbiome and health. ○
- 109 Longitudinal profiles of the fecal metabolome during the first 2 years of life. **2023**, 13, ○
- 108 Maturation patterns of the infant gut mycobiome are associated with early-life body mass index. **2023**, 4, 100928 ○
- 107 Weanling gut microbiota composition of a mouse model selectively bred for high voluntary wheel-running behavior. **2023**, 226, ○
- 106 Alterations of nasal microbiome in eosinophilic chronic rhinosinusitis. **2023**, ○
- 105 Pathophysiology-Based Individualized Use of Probiotics and Prebiotics for Metabolic Syndrome: Implementing Predictive, Preventive, and Personalized Medical Approach. **2023**, 133-196 ○
- 104 Metagenomic Analysis of the Abundance and Composition of Antibiotic Resistance Genes in Hospital Wastewater in Benin, Burkina Faso, and Finland. **2023**, 8, ○
- 103 The impact of cefuroxime prophylaxis on human intestinal microbiota in surgical oncological patients. 1, ○
- 102 Growth Stages and Inter-Species Gut Microbiota Composition and Function in Captive Red Deer (*Cervus elaphus alxaiicus*) and Blue Sheep (*Pseudois nayaur*). **2023**, 13, 553 ○

- 101 Microbiota shaping and bioburden monitoring of indoor antimicrobial surfaces. 9, ○
- 100 Regulation of innate immune system function by the microbiome: Consequences for tumor immunity and cancer immunotherapy. **2023**, 66, 101724 ○
- 99 Gut microbiome lipid metabolism and its impact on host physiology. **2023**, 31, 173-186 ○
- 98 Chronic graft-versus-host disease in pediatric patients: Differences and challenges. **2023**, 101054 ○
- 97 COVID-19 morbidity in lower versus higher income populations underscores the need to restore lost biodiversity of eukaryotic symbionts. **2023**, 26, 106167 ○
- 96 Genetic mapping of microbial and host traits reveals production of immunomodulatory lipids by *Akkermansia muciniphila* in the murine gut. **2023**, 8, 424-440 ○
- 95 Gut Microbiota and Coronary Artery Disease: Current Therapeutic Perspectives. **2023**, 13, 256 ○
- 94 Dysbiosis of the stool DNA and RNA virome in Crohn's disease. **2023**, 95, ○
- 93 Conversations in the Gut: The Role of Quorum Sensing in Normobiosis. **2023**, 24, 3722 ○
- 92 Correlations between Gut Microbial Composition, Pathophysiological and Surgical Aspects in Endometriosis: A Review of the Literature. **2023**, 59, 347 ○
- 91 The gut microbiome and early-life growth in a population with high prevalence of stunting. **2023**, 14, ○
- 90 Transmission mode and dispersal traits correlate with host specificity in mammalian gut microbes. ○
- 89 Infants' gut microbiome data: A Bayesian Marginal Zero-inflated Negative Binomial regression model for multivariate analyses of count data. **2023**, 21, 1621-1629 ○
- 88 Gut microbiome function and composition in infants from rural Kenya and association with human milk oligosaccharides. **2023**, 15, ○
- 87 Gut Microbiome Composition Reveals the Distinctiveness between the Bengali people and the Indigenous Ethnicities in Bangladesh. ○
- 86 Disrupted diurnal oscillations of the gut microbiota in patients with alcohol dependence. 13, ○
- 85 Dynamic changes of the gut microbial colonization in preterm infants with different time points after birth. 14, ○
- 84 Seasonal variations in the gut microbiota of white-headed black langur (*Trachypithecus leucocephalus*) in a limestone forest in Southwest Guangxi, China. 11, ○

- 83 Molecular Accounting and Profiling of Human Respiratory Microbial Communities: Toward Precision Medicine by Targeting the Respiratory Microbiome for Disease Diagnosis and Treatment. **2023**, 24, 4086 2
- 82 Role of Gut Microbiota in Neurological Disorders and Its Therapeutic Significance. **2023**, 12, 1650 0
- 81 Analysis of 16S rRNA Gene Sequence of Nasopharyngeal Exudate Reveals Changes in Key Microbial Communities Associated with Aging. **2023**, 24, 4127 0
- 80 Mechanisms of gut microbiota-immune-host interaction on glucose regulation in type 2 diabetes. **2023**, 14, 14, 0
- 79 The Rise of Gastrointestinal Cancers as a Global Phenomenon: Unhealthy Behavior or Progress?. **2023**, 20, 3640 0
- 78 The role of diet in shaping human gut microbiota. **2023**, 101828 0
- 77 Community composition and the environment modulate the population dynamics of type VI secretion in human gut bacteria. 0
- 76 Genetic-Phenotype Analysis of Bifidobacterium bifidum and Its Glycoside Hydrolase Gene Distribution at Different Age Groups. **2023**, 12, 922 0
- 75 The Gut-Prostate Axis: A New Perspective of Prostate Cancer Biology through the Gut Microbiome. **2023**, 15, 1375 0
- 74 Metagenomic and machine learning-aided identification of biomarkers driving distinctive Cd accumulation features in the root-associated microbiome of two rice cultivars. **2023**, 3, 0
- 73 Composition of the intestinal microbiota of infant rhesus macaques at different ages before and after weaning. **2023**, 9, e13915 0
- 72 The effects of prebiotics on gastrointestinal side effects of metformin in youth: A pilot randomized control trial in youth-onset type 2 diabetes. **2023**, 14, 0
- 71 Infant Fecal Fermentations with Galacto-Oligosaccharides and 2?-Fucosyllactose Show Differential Bifidobacterium longum Stimulation at Subspecies Level. **2023**, 10, 430 0
- 70 Age-Dependent and Body Composition-Dependent Association of Child Gut Microbial Enterotype With Puberty Timing: A Chinese Cohort. 0
- 69 Methodological challenges in neonatal microbiome research. **2023**, 15, 0
- 68 Association between Gut Dysbiosis and the Occurrence of SIBO, LIBO, SIFO and IMO. **2023**, 11, 573 0
- 67 Prenatal household size and composition are associated with infant fecal bacterial diversity in Cebu, Philippines. **2023**, 181, 45-58 0
- 66 Longitudinal Analysis of the Intestinal Microbiota among a Cohort of Children in Rural and Urban Areas of Pakistan. **2023**, 15, 1213 0

- 65 The Gut Microbiome of an Indigenous Agropastoralist Population in a Remote Area of Colombia with High Rates of Gastrointestinal Infections and Dysbiosis. **2023**, 11, 625 ○
- 64 Diversifying nutritional sciences dietary practices and gut bacteria in individuals of Latino and Hispanic ancestry. **2023**, 117, 451-452 ○
- 63 Epigenetic Modifications Induced by the Gut Microbiota May Result from What We Eat: Should We Talk about Precision Diet in Health and Disease?. **2023**, 13, 375 ○
- 62 Impacts of age on the gut microbiota in captive giant pandas. ○
- 61 Study design and rationale for the PAASIM project: a matched cohort study on urban water supply improvements and infant enteric pathogen infection, gut microbiome development and health in Mozambique. **2023**, 13, e067341 ○
- 60 Effect of metformin on sepsis-associated acute lung injury and gut microbiota in aged rats with sepsis. 13, ○
- 59 The causality between intestinal flora and allergic diseases: Insights from a bi-directional two-sample Mendelian randomization analysis. 14, ○
- 58 Einführung in das Mikrobiom. **2023**, 26, 6-12 ○
- 57 Prolonged Antibiotic Exposure during Adolescence Dysregulates Liver Metabolism and Promotes Adiposity in Mice. **2023**, ○
- 56 HadzaPrevotellaRequire Diet-derived Microbiota Accessible Carbohydrates to Persist in Mice. ○
- 55 Intragenic DNA inversions expand bacterial coding capacity. ○
- 54 Common Variable Immunodeficiency Patient Fecal Microbiota Transplant Recapitulates Gut Dysbiosis. 1
- 53 Programmed and environmental determinants driving neonatal mucosal immune development. **2023**, 56, 485-499 ○
- 52 Vitamin D3 supplementation as an adjunct in the management of childhood infectious diarrhea: a systematic review. **2023**, 23, ○
- 51 Development of the Anaerobic Microbiome in the Infant Gut. Publish Ahead of Print, ○
- 50 The impact of prenatal dog keeping on infant gut microbiota development. ○
- 49 A Pilot Study Exploring Temporal Development of Gut Microbiome/Metabolome in Breastfed Neonates during the First Week of Life. **2023**, 26, 99 ○
- 48 Abundance and absence: Human-microbial co-evolution in the Anthropocene. 205301962311539 ○

- 47 Gut Microbiome-Host Metabolome Homeostasis upon Exposure to PFOS and GenX in Male Mice. **2023**, 11, 281 ○
- 46 Bacterial gut microbiome differences in adults with ADHD and in children with ADHD on psychostimulant medication. **2023**, 110, 310-321 ○
- 45 Microbial metabolites as modulators of the infant gut microbiome and host-microbial interactions in early life. **2023**, 15, ○
- 44 The Microbiota-Gut-Brain Axis: Psychoneuroimmunological Insights. **2023**, 15, 1496 ○
- 43 Genome-resolved metagenomics of milk microbiomes reveals the influence of maternal dietary fiber on neonatal inheritance of immunoregulatory traits. ○
- 42 Mechanism and treatments of antipsychotic-induced weight gain. ○
- 41 Gut microbiota and fecal short chain fatty acids differ with adiposity and country of origin: The METS-Microbiome Study. ○
- 40 Dysbiosis of gut microbiota due to diet, alcohol intake, body mass index, and gastrointestinal diseases in India. **2023**, 107, 2547-2560 ○
- 39 Bifidobacterium longum subsp. infantis utilizes human milk urea to recycle nitrogen within the infant gut microbiome. **2023**, 15, ○
- 38 Gut Microbiota and Its Role in Anti-aging Phenomenon: Evidence-Based Review. ○
- 37 A Systematic Review on the Association between Obesity and Mood Disorders and the Role of Gut Microbiota. **2023**, 13, 488 ○
- 36 Gut bacteria influence Blastocystis sp. phenotypes and may trigger pathogenicity. **2023**, 17, e0011170 ○
- 35 Mendelian randomization analyses reveal causal relationships between the human microbiome and longevity. **2023**, 13, ○
- 34 Arresting microbiome development limits immune system maturation and resistance to infection in mice. **2023**, 31, 554-570.e7 ○
- 33 Microbiota Alterations in Patients with Mucous Membrane Pemphigoid and Pemphigus Vulgaris: A Systematic Review. **2023**, 13, 4377 ○
- 32 Association of early childhood constipation with the risk of autism spectrum disorder in Taiwan: Real-world evidence from a nationwide population-based cohort study. 14, ○
- 31 Belkten Mezara Yaam Boyu Devam Eden Mikrobiyota. **2023**, 32, 10-15 ○
- 30 A Bibliometric Analysis on the Research Trend of Exercise and the Gut Microbiome. **2023**, 11, 903 ○

- 29 Human Genes Involved in the Interaction between Host and Gut Microbiome: Regulation and Pathogenic Mechanisms. **2023**, 14, 857 ○
- 28 Translating neonatal microbiome science into commercial innovation: metabolism of human milk oligosaccharides as a basis for probiotic efficacy in breast-fed infants. **2023**, 15, ○
- 27 Analysis of the relationship between the gut microbiota enterotypes and colorectal adenoma. 14, ○
- 26 Human gut bacteria tailor extracellular vesicle cargo for the breakdown of diet- and host-derived glycans. ○
- 25 Maternal exposure to air pollution alters energy balance transiently according to gender and changes gut microbiota. 14, ○
- 24 Ruminococcus gnavus: friend or foe for human health. **2023**, 47, ○
- 23 Multiscale adaptive differential abundance analysis in microbial compositional data. **2023**, 39, ○
- 22 Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota. **2023**, 15, 1767 ○
- 21 Longevity of centenarians is reflected by the gut microbiome with youth-associated signatures. **2023**, 3, 436-449 ○
- 20 Potential roles of the rectum keystone microbiota in modulating the microbial community and growth performance in goat model. **2023**, 14, ○
- 19 Effects of antibiotics on childhood gut microbiota. **2022**, 73, 7-12 ○
- 18 Gut Microbiota in Anxiety and Depression: Unveiling the Relationships and Management Options. **2023**, 16, 565 ○
- 17 Fecal metagenomics to identify biomarkers of food intake in healthy adults: Findings from randomized, controlled, nutrition trials. ○
- 16 First Study on profiling of gut microbiome in wild and captive Sumatran orangutans (*Pongo abelii*). **2023**, 717-727 ○
- 15 Non-Human Peptides Revealed in Blood Reflect the Composition of Small Intestine Microbiota. ○
- 14 Regular Physical Activity Influences Gut Microbiota with Positive Health Effects. ○
- 13 Development of the gut microbiota in the first 14 years of life and its relations to internalizing and externalizing difficulties and social anxiety during puberty. ○
- 12 The Fountain of Youth. **2023**, 37, 172-173 ○

- 11 An Evaluation Method of Human Gut Microbial Homeostasis by Testing Specific Fecal Microbiota. **2023**, ○
- 10 Kernel-based genetic association analysis for microbiome phenotypes identifies host genetic drivers of beta-diversity. **2023**, 11, ○
- 9 Prospects of using biologically active substances to prevent depression. **2023**, 23-44 ○
- 8 Microbiome: Impact of sex on function and characteristics of gut microbiome. **2023**, 313-329 ○
- 7 Precision medicine: Overview and challenges to clinical implementation. **2023**, 513-529 ○
- 6 Parents with periodontitis drive the early acquisition of dysbiotic microbiomes in their offspring. ○
- 5 Gut Microbiome Variation Along A Lifestyle Gradient Reveals Threats Faced by Asian Elephants. **2023**, ○
- 4 Longitudinal Analysis of the Impacts of Urogenital Schistosomiasis on the Gut microbiota of Adolescents in Nigeria. ○
- 3 Emerging role of bacterial outer membrane vesicle in gastrointestinal tract. **2023**, 15, ○
- 2 Intestinal microbiota analyses of five economic fishery resources in the South China Sea. **2023**, 46, 101085 ○
- 1 Extracellular vesicle miRNAs as key mediators in diet-gut microbiome-host interplay. **2023**, 136, 268-281 ○