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List of Publications by Year
in descending order

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84 papers	29,686 citations	41258 49 h-index	54797 84 g-index
97 all docs	97 docs citations	97 times ranked	38592 citing authors

#	Article	IF	Citations
1	Predictive functional profiling of microbial communities using 16S rRNA marker gene sequences. Nature Biotechnology, 2013, 31, 814-821.	9.4	8,049
2	Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. Science, 2013, 341, 1241214.	6.0	3,006
3	The Impact of the Gut Microbiota on Human Health: An Integrative View. Cell, 2012, 148, 1258-1270.	13.5	2,920
4	Diet Drives Convergence in Gut Microbiome Functions Across Mammalian Phylogeny and Within Humans. Science, 2011, 332, 970-974.	6.0	1,712
5	The Long-Term Stability of the Human Gut Microbiota. Science, 2013, 341, 1237439.	6.0	1,696
6	The microbiome in early life: implications for health outcomes. Nature Medicine, 2016, 22, 713-722.	15.2	838
7	Cohabiting family members share microbiota with one another and with their dogs. ELife, 2013, 2, e00458.	2.8	801
8	Partial restoration of the microbiota of cesarean-born infants via vaginal microbial transfer. Nature Medicine, 2016, 22, 250-253.	15.2	736
9	The microbiome of uncontacted Amerindians. Science Advances, 2015, 1, .	4.7	721
10	Subsampled open-reference clustering creates consistent, comprehensive OTU definitions and scales to billions of sequences. PeerJ, 2014, 2, e545.	0.9	535
11	Intestinal Microbiota Is Influenced by Gender and Body Mass Index. PLoS ONE, 2016, 11, e0154090.	1.1	511
12	Reconstructing the Microbial Diversity and Function of Pre-Agricultural Tallgrass Prairie Soils in the United States. Science, 2013, 342, 621-624.	6.0	480
13	Transient Inability to Manage Proteobacteria Promotes Chronic Gut Inflammation in TLR5-Deficient Mice. Cell Host and Microbe, 2012, 12, 139-152.	5.1	459
14	Enrichment of the lung microbiome with oral taxa is associated with lung inflammation of a Th17 phenotype. Nature Microbiology, 2016, 1, 16031.	5.9	436
15	Global biogeography of highly diverse protistan communities in soil. ISME Journal, 2013, 7, 652-659.	4.4	412
16	The role of the gut microbiome in systemic inflammatory disease. BMJ: British Medical Journal, 2018, 360, j5145.	2.4	367
17	Enrichment of lung microbiome with supraglottic taxa is associated with increased pulmonary inflammation. Microbiome, 2013, 1, 19.	4.9	355
18	Microbiotas from Humans with Inflammatory Bowel Disease Alter the Balance of Gut Th17 and RORÎ³t+ Regulatory T Cells and Exacerbate Colitis in Mice. Immunity, 2019, 50, 212-224.e4.	6.6	345

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19	Early-life gut microbiome composition and milk allergy resolution. Journal of Allergy and Clinical Immunology, 2016, 138, 1122-1130.	1.5	307
20	Simultaneous Amplicon Sequencing to Explore Co-Occurrence Patterns of Bacterial, Archaeal and Eukaryotic Microorganisms in Rumen Microbial Communities. PLoS ONE, 2013, 8, e47879.	1.1	304
21	Specific Bacteria and Metabolites Associated With Response to Fecal Microbiota Transplantation in Patients With Ulcerative Colitis. Gastroenterology, 2019, 156, 1440-1454.e2.	0.6	290
22	Interactions Between Diet and the Intestinal Microbiota Alter Intestinal Permeability and Colitis Severity in Mice. Gastroenterology, 2018, 154, 1037-1046.e2.	0.6	273
23	The interpersonal and intrapersonal diversity of human-associated microbiota in key body sites. Journal of Allergy and Clinical Immunology, 2012, 129, 1204-1208.	1.5	266
24	Airway Microbiota Is Associated with Upregulation of the PI3K Pathway in Lung Cancer. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1188-1198.	2.5	232
25	Microbiota-driven transcriptional changes in prefrontal cortex override genetic differences in social behavior. ELife, 2016, 5, .	2.8	226
26	Nurture trumps nature in a longitudinal survey of salivary bacterial communities in twins from early adolescence to early adulthood. Genome Research, 2012, 22, 2146-2152.	2.4	167
27	The gut microbial community in metabolic syndrome patients is modified by diet. Journal of Nutritional Biochemistry, 2016, 27, 27-31.	1.9	166
28	The lung microbiota in early rheumatoid arthritis and autoimmunity. Microbiome, 2016, 4, 60.	4.9	158
29	Biphasic assembly of the murine intestinal microbiota during early development. ISME Journal, 2013, 7, 1112-1115.	4.4	142
30	Lower Airway Dysbiosis Affects Lung Cancer Progression. Cancer Discovery, 2021, 11, 293-307.	7.7	139
31	Randomised, double-blind, placebo-controlled trial with azithromycin selects for anti-inflammatory microbial metabolites in the emphysematous lung. Thorax, 2017, 72, 13-22.	2.7	137
32	Communities of microbial eukaryotes in the mammalian gut within the context of environmental eukaryotic diversity. Frontiers in Microbiology, 2014, 5, 298.	1.5	130
33	Infants born to mothers with IBD present with altered gut microbiome that transfers abnormalities of the adaptive immune system to germ-free mice. Gut, 2020, 69, 42-51.	6.1	121
34	Gut microbiota density influences host physiology and is shaped by host and microbial factors. ELife, 2019, 8, .	2.8	118
35	Fungal Trans-kingdom Dynamics Linked to Responsiveness to Fecal Microbiota Transplantation (FMT) Therapy in Ulcerative Colitis. Cell Host and Microbe, 2020, 27, 823-829.e3.	5.1	110
36	Consumption of Two Healthy Dietary Patterns Restored Microbiota Dysbiosis in Obese Patients with Metabolic Dysfunction. Molecular Nutrition and Food Research, 2017, 61, 1700300.	1.5	107

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37	Anal gas evacuation and colonic microbiota in patients with flatulence: effect of diet. Gut, 2014, 63, 401-408.	6.1	104
38	Distinct cutaneous bacterial assemblages in a sampling of South American Amerindians and US residents. ISME Journal, 2013, 7, 85-95.	4.4	101
39	Microbial signatures in the lower airways of mechanically ventilated COVID-19 patients associated with poor clinical outcome. Nature Microbiology, 2021, 6, 1245-1258.	5.9	101
40	Anaerobic Bacterial Fermentation Products Increase Tuberculosis Risk in Antiretroviral-Drug-Treated HIV Patients. Cell Host and Microbe, 2017, 21, 530-537.e4.	5.1	95
41	Methods in Lung Microbiome Research. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 283-299.	1.4	94
42	Gut Microbiota Perturbations in Reactive Arthritis and Postinfectious Spondyloarthritis. Arthritis and Rheumatology, 2018, 70, 242-254.	2.9	88
43	Disease-modifying therapies alter gut microbial composition in MS. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e517.	3.1	75
44	Our microbial selves: what ecology can teach us. EMBO Reports, 2011, 12, 775-784.	2.0	71
45	Interplay of host microbiota, genetic perturbations, and inflammation promotes local development of intestinal neoplasms in mice. Journal of Experimental Medicine, 2014, 211, 457-472.	4.2	71
46	Changes in vaginal microbiota following antimicrobial and probiotic therapy. Microbial Ecology in Health and Disease, 2015, 26, 27799.	3.8	71
47	Evaluation of the airway microbiome in nontuberculous mycobacteria disease. European Respiratory Journal, 2018, 52, 1800810.	3.1	69
48	Advancing the Microbiome Research Community. Cell, 2014, 159, 227-230.	13.5	64
49	Longitudinal changes of microbiome composition and microbial metabolomics after surgical weight loss in individuals with obesity. Surgery for Obesity and Related Diseases, 2019, 15, 1367-1373.	1.0	64
50	Precise quantification of bacterial strains after fecal microbiota transplantation delineates long-term engraftment and explains outcomes. Nature Microbiology, 2021, 6, 1309-1318.	5.9	60
51	Defined microbiota transplant restores Th17/RORÎ³t⁺regulatory T cell balance in mice colonized with inflammatory bowel disease microbiotas. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21536-21545.	3.3	58
52	Episodic Aspiration with Oral Commensals Induces a MyD88-dependent, Pulmonary T-Helper Cell Type 17 Response that Mitigates Susceptibility to Streptococcus pneumoniae. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1099-1111.	2.5	55
53	Gut microbiome of mothers delivering prematurely shows reduced diversity and lower relative abundance of Bifidobacterium and Streptococcus. PLoS ONE, 2017, 12, e0184336.	1.1	53
54	Severe Obstructive Sleep Apnea Is Associated with Alterations in the Nasal Microbiome and an Increase in Inflammation. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 99-109.	2.5	51

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55	Interleukinâ€17 Inhibition in Spondyloarthritis Is Associated With Subclinical Gut Microbiome Perturbations and a Distinctive Interleukinâ€23â€“Driven Intestinal Inflammation. Arthritis and Rheumatology, 2020, 72, 645-657.	2.9	51
56	Can inflammatory bowel disease be permanently treated with short-term interventions on the microbiome?. Expert Review of Gastroenterology and Hepatology, 2015, 9, 781-795.	1.4	48
57	Microbial Engraftment and Efficacy of Fecal Microbiota Transplant for Clostridium Difficile in Patients With and Without Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2019, 25, 969-979.	0.9	38
58	The evolutionary relationship between gene duplication and alternative splicing. Gene, 2008, 427, 19-31.	1.0	34
59	Functional lower airways genomic profiling of the microbiome to capture active microbial metabolism. European Respiratory Journal, 2021, 58, 2003434.	3.1	34
60	Diet Modifies Colonic Microbiota and CD4+ T-Cell Repertoire to Induce Flares of Colitis in Mice With Myeloid-Cell Expression of Interleukin 23. Gastroenterology, 2018, 155, 1177-1191.e16.	0.6	32
61	Infant gut microbiome is enriched with Bifidobacterium longum ssp. infantis in Old Order Mennonites with traditional farming lifestyle. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 3489-3503.	2.7	30
62	Neonatal gut microbiota induces lung immunity against pneumonia. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 263-264.	8.2	26
63	Physical Activity, Immune System, and the Microbiome in Cardiovascular Disease. Frontiers in Physiology, 2018, 9, 763.	1.3	24
64	A dietary intervention to improve the microbiome composition of pregnant women with Crohn's disease and their offspring: The MELODY (Modulating Early Life Microbiome through Dietary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 100573.	0.5	24
65	Combined phylogenetic and genomic approaches for the high-throughput study of microbial habitat adaptation. Trends in Microbiology, 2011, 19, 472-482.	3.5	23
66	Anaerobe-enriched gut microbiota predicts pro-inflammatory responses in pulmonary tuberculosis. EBioMedicine, 2021, 67, 103374.	2.7	22
67	Evidence for Environmentalâ€“Human Microbiota Transfer at a Manufacturing Facility with Novel Work-related Respiratory Disease. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1678-1688.	2.5	16
68	Detecting and phasing minor single-nucleotide variants from long-read sequencing data. Nature Communications, 2021, 12, 3032.	5.8	15
69	Engineering the Microbiome: a Novel Approach to Immunotherapy for Allergic and Immune Diseases. Current Allergy and Asthma Reports, 2015, 15, 39.	2.4	13
70	Composite Score of Healthy Lifestyle Factors and Risk of Hepatocellular Carcinoma: Findings from a Prospective Cohort Study. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 380-387.	1.1	13
71	Quality diet indexes and risk of hepatocellular carcinoma: Findings from the Singapore Chinese Health Study. International Journal of Cancer, 2021, 148, 2102-2114.	2.3	13
72	Decreased Fecal Bacterial Diversity and Altered Microbiome in Children Colonized With Clostridium difficile. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 502-508.	0.9	12

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73	Safety of vaginal microbial transfer in infants delivered by caesarean, and expected health outcomes. BMJ, The, 2016, 352, i1707.	3.0	9
74	Traditional Farming Lifestyle in Old Older Mennonites Modulates Human Milk Composition. Frontiers in Immunology, 2021, 12, 741513.	2.2	9
75	An integrative study of the microbiome gut-brain-axis and hippocampal inflammation in psychosis: Persistent effects from mode of birth. Schizophrenia Research, 2022, 247, 101-115.	1.1	7
76	Patient-reported exposures and outcomes link the gut-brain axis and inflammatory pathways to specific symptoms of severe mental illness. Psychiatry Research, 2022, 312, 114526.	1.7	7
77	Zooming in on Inflammatory Bowel Disease: Microbial andÂProteomic Features Associated With IBD in Colonic Microenvironments. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 540-541.	2.3	5
78	Identifying correlations driven by influential observations in large datasets. Briefings in Bioinformatics, 2022, 23, .	3.2	4
79	Impaired central tolerance induces changes in the gut microbiota that exacerbate autoimmune hepatitis. Journal of Autoimmunity, 2022, 128, 102808.	3.0	3
80	Prenatal ambient temperature and risk for schizophrenia. Schizophrenia Research, 2022, 247, 67-83.	1.1	2
81	Meeting report of the RNA Ontology Consortium January 8-9, 2011. Standards in Genomic Sciences, 2011, 4, 252-256.	1.5	1
82	Viral Inactivation Impacts Microbiome Estimates in a Tissue-Specific Manner. MSystems, 2021, 6, e0067421.	1.7	1
83	Editorial overview: Microbiota united-bacteria, fungi and host responses come into focus. Current Opinion in Microbiology, 2020, 56, vi-viii.	2.3	0
84	Impact of delivery mode in early life microbiome and risk of disease. , 2021, , 109-133.		0