List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The gut microbiota as an environmental factor that regulates fat storage. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15718-15723.	7.1	5,131
2	Interactions Between the Microbiota and the Immune System. Science, 2012, 336, 1268-1273.	12.6	3,422
3	H <scp>OW</scp> H <scp>OST</scp> -M <scp>ICROBIAL</scp> I <scp>NTERACTIONS</scp> S <scp>HAPE THE</scp> N <scp>UTRIENT</scp> E <scp>NVIRONMENT OF THE</scp> M <scp>AMMALIAN</scp> I <scp>NTESTINE</scp> . Annual Review of Nutrition, 2002, 22, 283-307.	10.1	1,390
4	Symbiotic Bacteria Direct Expression of an Intestinal Bactericidal Lectin. Science, 2006, 313, 1126-1130.	12.6	1,220
5	The Antibacterial Lectin RegIIIÎ <sup>3</sup> Promotes the Spatial Segregation of Microbiota and Host in the Intestine. Science, 2011, 334, 255-258.	12.6	1,163
6	Paneth cells directly sense gut commensals and maintain homeostasis at the intestinal host-microbial interface. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20858-20863.	7.1	859
7	Angiogenins: a new class of microbicidal proteins involved in innate immunity. Nature Immunology, 2003, 4, 269-273.	14.5	836
8	Epithelial antimicrobial defence of the skin and intestine. Nature Reviews Immunology, 2012, 12, 503-516.	22.7	779
9	Bacterial contributions to mammalian gut development. Trends in Microbiology, 2004, 12, 129-134.	7.7	464
10	Precision editing of the gut microbiota ameliorates colitis. Nature, 2018, 553, 208-211.	27.8	377
11	T <sub>H</sub> 17 Cell Differentiation Is Regulated by the Circadian Clock. Science, 2013, 342, 727-730.	12.6	355
12	Activation of HIF-1α and LL-37 by commensal bacteria inhibits Candida albicans colonization. Nature Medicine, 2015, 21, 808-814.	30.7	333
13	The intestinal microbiota regulates body composition through NFIL3 and the circadian clock. Science, 2017, 357, 912-916.	12.6	319
14	Intestinal REG3 Lectins Protect against Alcoholic Steatohepatitis by Reducing Mucosa-Associated Microbiota and Preventing Bacterial Translocation. Cell Host and Microbe, 2016, 19, 227-239.	11.0	284
15	Paneth cells secrete lysozyme via secretory autophagy during bacterial infection of the intestine. Science, 2017, 357, 1047-1052.	12.6	267
16	Intestinal Epithelial Autophagy Is Essential for Host Defense against Invasive Bacteria. Cell Host and Microbe, 2013, 13, 723-734.	11.0	263
17	Antibacterial membrane attack by a pore-forming intestinal C-type lectin. Nature, 2014, 505, 103-107.	27.8	256
18	Antimicrobial Defense of the Intestine. Immunity, 2015, 42, 28-39.	14.3	240

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19	Microbial Respiration and Formate Oxidation as Metabolic Signatures of Inflammation-Associated Dysbiosis. Cell Host and Microbe, 2017, 21, 208-219.	11.0	239
20	Proteobacteria-specific IgA regulates maturation of the intestinal microbiota. Gut Microbes, 2014, 5, 28-39.	9.8	215
21	The intestinal microbiota programs diurnal rhythms in host metabolism through histone deacetylase 3. Science, 2019, 365, 1428-1434.	12.6	202
22	A composite bacteriophage alters colonization by an intestinal commensal bacterium. Proceedings of the United States of America, 2012, 109, 17621-17626.	7.1	198
23	The basic leucine zipper transcription factor NFIL3 directs the development of a common innate lymphoid cell precursor. ELife, 2014, 3, .	6.0	191
24	Do symbiotic bacteria subvert host immunity?. Nature Reviews Microbiology, 2009, 7, 367-374.	28.6	183
25	Evaluation of methods to purify virus-like particles for metagenomic sequencing of intestinal viromes. BMC Genomics, 2015, 16, 7.	2.8	183
26	Dietary simple sugars alter microbial ecology in the gut and promote colitis in mice. Science Translational Medicine, 2020, 12, .	12.4	163
27	Host-microbial symbiosis in the mammalian intestine: exploring an internal ecosystem. BioEssays, 1998, 20, 336-343.	2.5	162
28	Dysbiosis-Associated Change in Host Metabolism Generates Lactate to Support Salmonella Growth. Cell Host and Microbe, 2018, 23, 54-64.e6.	11.0	154
29	The β2-adrenergic receptor controls inflammation by driving rapid IL-10 secretion. Brain, Behavior, and Immunity, 2018, 74, 176-185.	4.1	137
30	Murine colitis reveals a disease-associated bacteriophage community. Nature Microbiology, 2018, 3, 1023-1031.	13.3	132
31	Resistin-like molecule β is a bactericidal protein that promotes spatial segregation of the microbiota and the colonic epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11027-11033.	7.1	128
32	An Oxidative Central Metabolism Enables Salmonella to Utilize Microbiota-Derived Succinate. Cell Host and Microbe, 2017, 22, 291-301.e6.	11.0	124
33	Candida albicans Inhibits Pseudomonas aeruginosa Virulence through Suppression of Pyochelin and Pyoverdine Biosynthesis. PLoS Pathogens, 2015, 11, e1005129.	4.7	111
34	Pulmonary Th17 Antifungal Immunity Is Regulated by the Gut Microbiome. Journal of Immunology, 2016, 197, 97-107.	0.8	108
35	Serum amyloid A is a retinol binding protein that transports retinol during bacterial infection. ELife, 2014, 3, e03206.	6.0	108
36	The DNA Sensor AIM2 Maintains Intestinal Homeostasis via Regulation of Epithelial Antimicrobial Host Defense. Cell Reports, 2015, 13, 1922-1936.	6.4	101

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37	The microbiota coordinates diurnal rhythms in innate immunity with the circadian clock. Cell, 2021, 184, 4154-4167.e12.	28.9	97
38	Survival signal REG3α prevents crypt apoptosis to control acute gastrointestinal graft-versus-host disease. Journal of Clinical Investigation, 2018, 128, 4970-4979.	8.2	94
39	From legumes to leukocytes: biological roles for sulfated carbohydrates. FASEB Journal, 1996, 10, 1137-1146.	0.5	92
40	Loss of Paneth Cell Autophagy Causes Acute Susceptibility to Toxoplasma gondii-Mediated Inflammation. Cell Host and Microbe, 2018, 23, 177-190.e4.	11.0	90
41	Molecular Basis for Lytic Bacteriophage Resistance in Enterococci. MBio, 2016, 7, .	4.1	80
42	NOD2 Suppresses Colorectal Tumorigenesis via Downregulation of the TLR Pathways. Cell Reports, 2017, 19, 2756-2770.	6.4	69
43	Xenosiderophore Utilization Promotes Bacteroides thetaiotaomicron Resilience during Colitis. Cell Host and Microbe, 2020, 27, 376-388.e8.	11.0	61
44	Resistin-like Molecule α Provides Vitamin-A-Dependent Antimicrobial Protection in the Skin. Cell Host and Microbe, 2019, 25, 777-788.e8.	11.0	60
45	[15] Laser capture microdissection of mouse intestine: Characterizing mrna and protein expression, and profiling intermediary metabolism in specified cell populations. Methods in Enzymology, 2002, 356, 167-196.	1.0	55
46	lgD class switching is initiated by microbiota and limited to mucosa-associated lymphoid tissue in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1196-E1204.	7.1	50
47	Serum amyloid A delivers retinol to intestinal myeloid cells to promote adaptive immunity. Science, 2021, 373, eabf9232.	12.6	45
48	You AhR What You Eat: Linking Diet and Immunity. Cell, 2011, 147, 489-491.	28.9	41
49	Epithelial retinoic acid receptor Î <sup>2</sup> regulates serum amyloid A expression and vitamin A-dependent intestinal immunity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10911-10916.	7.1	41
50	Small proline-rich protein 2A is a gut bactericidal protein deployed during helminth infection. Science, 2021, 374, eabe6723.	12.6	38
51	Maternal high-fat diet results in microbiota-dependent expansion of ILC3s in mice offspring. JCI Insight, 2018, 3, .	5.0	34
52	Transductomics: sequencing-based detection and analysis of transduced DNA in pure cultures and microbial communities. Microbiome, 2020, 8, 158.	11.1	29
53	Molecular basis for retinol binding by serum amyloid A during infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19077-19082.	7.1	21
54	Impact of Bead-Beating Intensity on the Genus- and Species-Level Characterization of the Gut Microbiome Using Amplicon and Complete 16S rRNA Gene Sequencing. Frontiers in Cellular and Infection Microbiology, 2021, 11, 678522.	3.9	20

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55	Interactions among microbes, the immune system, and the circadian clock. Seminars in Immunopathology, 2020, 42, 697-708.	6.1	19
56	Immune control of the microbiota prevents obesity. Science, 2019, 365, 316-317.	12.6	18
57	Laser microdissection: exploring host–bacterial encounters at the front lines. Current Opinion in Microbiology, 2004, 7, 290-295.	5.1	17
58	Cutting Edge: Developmental Regulation of IFN-Î <sup>3</sup> Production by Mouse Neutrophil Precursor Cells. Journal of Immunology, 2015, 195, 36-40.	0.8	13
59	A short plus long-amplicon based sequencing approach improves genomic coverage and variant detection in the SARS-CoV-2 genome. PLoS ONE, 2022, 17, e0261014.	2.5	11
60	Interleukin-22 regulates B3GNT7 expression to induce fucosylation of glycoproteins in intestinal epithelial cells. Journal of Biological Chemistry, 2022, 298, 101463.	3.4	9
61	Mum's microbes boost baby's immunity. Nature, 2016, 533, 42-43.	27.8	7
62	Metabolic decisions in development and disease—a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 55-73.	3.8	6
63	A bacterial nudge to T-cell function. Nature, 2015, 526, 328-330.	27.8	4
64	Innate lymphoid cells sweeten the pot. Science, 2014, 345, 1248-1249.	12.6	3
65	Host–microbial symbiosis in the mammalian intestine: exploring an internal ecosystem. , 1998, 20, 336.		1
66	Epithelial Cell Autophagy in Antibacterial Defense of the Small Intestine. Inflammatory Bowel Diseases, 2012, 18, S7.	1.9	0
67	Beth Levine M.D. Prize in Autophagy Research. Autophagy, 2021, 17, 2053-2053.	9.1	0
68	Decreased expression of Paneth cell antimicrobial peptides coincide with bacterial translocation after starvation. FASEB Journal, 2010, 24, 117.8.	0.5	0
69	Lectinâ€mediated defense of the intestinal epithelial surface. FASEB Journal, 2012, 26, 93.1.	0.5	0