

Lora V Hooper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3716854/publications.pdf>

Version: 2024-02-01

69
papers

21,935
citations

61687

45
h-index

124990

64
g-index

112
all docs

112
docs citations

112
times ranked

29931
citing authors

#	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.	3.3	5,131
2	Interactions Between the Microbiota and the Immune System. Science, 2012, 336, 1268-1273.	6.0	3,422
3	HOWHOST-MICROBIALINTERACTIONSSHAPE THENUTRIENTENVIRONMENT OF THEMAMMALIANINTESTINE. Annual Review of Nutrition, 2002, 22, 283-307.	4.3	1,390
4	Symbiotic Bacteria Direct Expression of an Intestinal Bactericidal Lectin. Science, 2006, 313, 1126-1130.	6.0	1,220
5	The Antibacterial Lectin RegIII ^β Promotes the Spatial Segregation of Microbiota and Host in the Intestine. Science, 2011, 334, 255-258.	6.0	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.	3.3	859
7	Angiogenins: a new class of microbicidal proteins involved in innate immunity. Nature Immunology, 2003, 4, 269-273.	7.0	836
8	Epithelial antimicrobial defence of the skin and intestine. Nature Reviews Immunology, 2012, 12, 503-516.	10.6	779
9	Bacterial contributions to mammalian gut development. Trends in Microbiology, 2004, 12, 129-134.	3.5	464
10	Precision editing of the gut microbiota ameliorates colitis. Nature, 2018, 553, 208-211.	13.7	377
11	T _H 17 Cell Differentiation Is Regulated by the Circadian Clock. Science, 2013, 342, 727-730.	6.0	355
12	Activation of HIF-1 α and LL-37 by commensal bacteria inhibits Candida albicans colonization. Nature Medicine, 2015, 21, 808-814.	15.2	333
13	The intestinal microbiota regulates body composition through NFIL3 and the circadian clock. Science, 2017, 357, 912-916.	6.0	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.	5.1	284
15	Paneth cells secrete lysozyme via secretory autophagy during bacterial infection of the intestine. Science, 2017, 357, 1047-1052.	6.0	267
16	Intestinal Epithelial Autophagy Is Essential for Host Defense against Invasive Bacteria. Cell Host and Microbe, 2013, 13, 723-734.	5.1	263
17	Antibacterial membrane attack by a pore-forming intestinal C-type lectin. Nature, 2014, 505, 103-107.	13.7	256
18	Antimicrobial Defense of the Intestine. Immunity, 2015, 42, 28-39.	6.6	240

#	ARTICLE	IF	CITATIONS
19	Microbial Respiration and Formate Oxidation as Metabolic Signatures of Inflammation-Associated Dysbiosis. <i>Cell Host and Microbe</i> , 2017, 21, 208-219.	5.1	239
20	Proteobacteria-specific IgA regulates maturation of the intestinal microbiota. <i>Gut Microbes</i> , 2014, 5, 28-39.	4.3	215
21	The intestinal microbiota programs diurnal rhythms in host metabolism through histone deacetylase 3. <i>Science</i> , 2019, 365, 1428-1434.	6.0	202
22	A composite bacteriophage alters colonization by an intestinal commensal bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17621-17626.	3.3	198
23	The basic leucine zipper transcription factor NFIL3 directs the development of a common innate lymphoid cell precursor. <i>ELife</i> , 2014, 3, .	2.8	191
24	Do symbiotic bacteria subvert host immunity?. <i>Nature Reviews Microbiology</i> , 2009, 7, 367-374.	13.6	183
25	Evaluation of methods to purify virus-like particles for metagenomic sequencing of intestinal viromes. <i>BMC Genomics</i> , 2015, 16, 7.	1.2	183
26	Dietary simple sugars alter microbial ecology in the gut and promote colitis in mice. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	163
27	Host-microbial symbiosis in the mammalian intestine: exploring an internal ecosystem. <i>BioEssays</i> , 1998, 20, 336-343.	1.2	162
28	Dysbiosis-Associated Change in Host Metabolism Generates Lactate to Support Salmonella Growth. <i>Cell Host and Microbe</i> , 2018, 23, 54-64.e6.	5.1	154
29	The β -adrenergic receptor controls inflammation by driving rapid IL-10 secretion. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 176-185.	2.0	137
30	Murine colitis reveals a disease-associated bacteriophage community. <i>Nature Microbiology</i> , 2018, 3, 1023-1031.	5.9	132
31	Resistin-like molecule β 2 is a bactericidal protein that promotes spatial segregation of the microbiota and the colonic epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11027-11033.	3.3	128
32	An Oxidative Central Metabolism Enables Salmonella to Utilize Microbiota-Derived Succinate. <i>Cell Host and Microbe</i> , 2017, 22, 291-301.e6.	5.1	124
33	<i>Candida albicans</i> Inhibits <i>Pseudomonas aeruginosa</i> Virulence through Suppression of Pyochelin and Pyoverdine Biosynthesis. <i>PLoS Pathogens</i> , 2015, 11, e1005129.	2.1	111
34	Pulmonary Th17 Antifungal Immunity Is Regulated by the Gut Microbiome. <i>Journal of Immunology</i> , 2016, 197, 97-107.	0.4	108
35	Serum amyloid A is a retinol binding protein that transports retinol during bacterial infection. <i>ELife</i> , 2014, 3, e03206.	2.8	108
36	The DNA Sensor AIM2 Maintains Intestinal Homeostasis via Regulation of Epithelial Antimicrobial Host Defense. <i>Cell Reports</i> , 2015, 13, 1922-1936.	2.9	101

#	ARTICLE	IF	CITATIONS
37	The microbiota coordinates diurnal rhythms in innate immunity with the circadian clock. <i>Cell</i> , 2021, 184, 4154-4167.e12.	13.5	97
38	Survival signal REG3 β prevents crypt apoptosis to control acute gastrointestinal graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 4970-4979.	3.9	94
39	From legumes to leukocytes: biological roles for sulfated carbohydrates. <i>FASEB Journal</i> , 1996, 10, 1137-1146.	0.2	92
40	Loss of Paneth Cell Autophagy Causes Acute Susceptibility to <i>Toxoplasma gondii</i> -Mediated Inflammation. <i>Cell Host and Microbe</i> , 2018, 23, 177-190.e4.	5.1	90
41	Molecular Basis for Lytic Bacteriophage Resistance in Enterococci. <i>MBio</i> , 2016, 7, .	1.8	80
42	NOD2 Suppresses Colorectal Tumorigenesis via Downregulation of the TLR Pathways. <i>Cell Reports</i> , 2017, 19, 2756-2770.	2.9	69
43	Xenosiderophore Utilization Promotes <i>Bacteroides thetaiotaomicron</i> Resilience during Colitis. <i>Cell Host and Microbe</i> , 2020, 27, 376-388.e8.	5.1	61
44	Resistin-like Molecule β Provides Vitamin-A-Dependent Antimicrobial Protection in the Skin. <i>Cell Host and Microbe</i> , 2019, 25, 777-788.e8.	5.1	60
45	[15] Laser capture microdissection of mouse intestine: Characterizing mrna and protein expression, and profiling intermediary metabolism in specified cell populations. <i>Methods in Enzymology</i> , 2002, 356, 167-196.	0.4	55
46	IgD class switching is initiated by microbiota and limited to mucosa-associated lymphoid tissue in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1196-E1204.	3.3	50
47	Serum amyloid A delivers retinol to intestinal myeloid cells to promote adaptive immunity. <i>Science</i> , 2021, 373, eabf9232.	6.0	45
48	You AhR What You Eat: Linking Diet and Immunity. <i>Cell</i> , 2011, 147, 489-491.	13.5	41
49	Epithelial retinoic acid receptor β regulates serum amyloid A expression and vitamin A-dependent intestinal immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10911-10916.	3.3	41
50	Small proline-rich protein 2A is a gut bactericidal protein deployed during helminth infection. <i>Science</i> , 2021, 374, eabe6723.	6.0	38
51	Maternal high-fat diet results in microbiota-dependent expansion of ILC3s in mice offspring. <i>JCI Insight</i> , 2018, 3, .	2.3	34
52	Transductomics: sequencing-based detection and analysis of transduced DNA in pure cultures and microbial communities. <i>Microbiome</i> , 2020, 8, 158.	4.9	29
53	Molecular basis for retinol binding by serum amyloid A during infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19077-19082.	3.3	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. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 678522.	1.8	20

#	ARTICLE	IF	CITATIONS
55	Interactions among microbes, the immune system, and the circadian clock. <i>Seminars in Immunopathology</i> , 2020, 42, 697-708.	2.8	19
56	Immune control of the microbiota prevents obesity. <i>Science</i> , 2019, 365, 316-317.	6.0	18
57	Laser microdissection: exploring hostâ€bacterial encounters at the front lines. <i>Current Opinion in Microbiology</i> , 2004, 7, 290-295.	2.3	17
58	Cutting Edge: Developmental Regulation of IFN- β Production by Mouse Neutrophil Precursor Cells. <i>Journal of Immunology</i> , 2015, 195, 36-40.	0.4	13
59	A short plus long-amplicon based sequencing approach improves genomic coverage and variant detection in the SARS-CoV-2 genome. <i>PLoS ONE</i> , 2022, 17, e0261014.	1.1	11
60	Interleukin-22 regulates B3GNT7 expression to induce fucosylation of glycoproteins in intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101463.	1.6	9
61	Mum's microbes boost baby's immunity. <i>Nature</i> , 2016, 533, 42-43.	13.7	7
62	Metabolic decisions in development and diseaseâ€a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 55-73.	1.8	6
63	A bacterial nudge to T-cell function. <i>Nature</i> , 2015, 526, 328-330.	13.7	4
64	Innate lymphoid cells sweeten the pot. <i>Science</i> , 2014, 345, 1248-1249.	6.0	3
65	Hostâ€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. <i>Inflammatory Bowel Diseases</i> , 2012, 18, S7.	0.9	0
67	Beth Levine M.D. Prize in Autophagy Research. <i>Autophagy</i> , 2021, 17, 2053-2053.	4.3	0
68	Decreased expression of Paneth cell antimicrobial peptides coincide with bacterial translocation after starvation. <i>FASEB Journal</i> , 2010, 24, 117.8.	0.2	0
69	Lectinâ€mediated defense of the intestinal epithelial surface. <i>FASEB Journal</i> , 2012, 26, 93.1.	0.2	0