Hera Vlamakis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7701456/publications.pdf

Version: 2024-02-01

65 papers	17,707 citations	57681 46 h-index	116156 66 g-index
73 all docs	73 docs citations	73 times ranked	22610 citing authors

#	Article	IF	Citations
1	Human gut bacteria produce ÎŀÎ—17-modulating bileÂacid metabolites. Nature, 2022, 603, 907-912.	13.7	210
2	Discovery of bioactive microbial gene products in inflammatory bowel disease. Nature, 2022, 606, 754-760.	13.7	38
3	Alterations in Fecal Microbiomes and Serum Metabolomes of Fatigued Patients With Quiescent Inflammatory Bowel Diseases. Clinical Gastroenterology and Hepatology, 2021, 19, 519-527.e5.	2.4	31
4	Congruent microbiome signatures in fibrosis-prone autoimmune diseases: IgG4-related disease and systemic sclerosis. Genome Medicine, 2021, 13, 35.	3.6	26
5	Modulating T Follicular Cells In Vivo Enhances Antigen-Specific Humoral Immunity. Journal of Immunology, 2021, 206, 2583-2595.	0.4	0
6	Capsular polysaccharide correlates with immune response to the human gut microbe <i>Ruminococcus gnavus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	66
7	Structure-based protein function prediction using graph convolutional networks. Nature Communications, 2021, 12, 3168.	5.8	300
8	Novel bile acid biosynthetic pathways are enriched in the microbiome of centenarians. Nature, 2021, 599, 458-464.	13.7	251
9	Multi-omics reveal microbial determinants impacting responses to biologic therapies in inflammatory bowel disease. Cell Host and Microbe, 2021, 29, 1294-1304.e4.	5.1	85
10	Gut microbiome-mediated metabolism effects on immunity in rural and urban African populations. Nature Communications, 2021, 12, 4845.	5.8	35
11	Cytokine-specific autoantibodies shape the gut microbiome in autoimmune polyendocrine syndrome type 1. Journal of Allergy and Clinical Immunology, 2021, 148, 876-888.	1.5	9
12	Antibiotic Cocktail for Pediatric Acute Severe Colitis and the Microbiome: The PRASCO Randomized Controlled Trial. Inflammatory Bowel Diseases, 2020, 26, 1733-1742.	0.9	41
13	Multi-â€œ-Omicsâ€•Profiling in Patients With Quiescent Inflammatory Bowel Disease Identifies Biomarkers Predicting Relapse. Inflammatory Bowel Diseases, 2020, 26, 1524-1532.	0.9	36
14	Global chemical effects of the microbiome include new bile-acid conjugations. Nature, 2020, 579, 123-129.	13.7	316
15	Growth effects of N-acylethanolamines on gut bacteria reflect altered bacterial abundances in inflammatory bowel disease. Nature Microbiology, 2020, 5, 486-497.	5.9	59
16	Delivery Mode Affects Stability of Early Infant Gut Microbiota. Cell Reports Medicine, 2020, 1, 100156.	3.3	97
17	A defined commensal consortium elicits CD8 T cells and anti-cancer immunity. Nature, 2019, 565, 600-605.	13.7	741
18	Microbial genes and pathways inÂinflammatory bowel disease. Nature Reviews Microbiology, 2019, 17, 497-511.	13.6	447

#	Article	IF	Citations
19	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. Nature, 2019, 569, 655-662.	13.7	1,638
20	<i>Ruminococcus gnavus</i> , a member of the human gut microbiome associated with Crohnâ€™s disease, produces an inflammatory polysaccharide. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12672-12677.	3.3	458
21	Bacteroides-Derived Sphingolipids Are Critical for Maintaining Intestinal Homeostasis and Symbiosis. Cell Host and Microbe, 2019, 25, 668-680.e7.	5.1	274
22	PolyGlcNAc-containing exopolymers enable surface penetration by non-motile Enterococcus faecalis. PLoS Pathogens, 2019, 15, e1007571.	2.1	24
23	Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life. Nature Microbiology, 2019, 4, 470-479.	5.9	164
24	Invertible promoters mediate bacterial phase variation, antibiotic resistance, and host adaptation in the gut. Science, 2019, 363, 181-187.	6.0	85
25	Gut microbiome structure and metabolic activity in inflammatory bowel disease. Nature Microbiology, 2019, 4, 293-305.	5.9	1,094
26	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. Mucosal Immunology, 2019, 12, 457-467.	2.7	44
27	Dynamics of metatranscription in the inflammatory bowel disease gut microbiome. Nature Microbiology, 2018, 3, 337-346.	5.9	408
28	A Common Mechanism Links Activities of Butyrate in the Colon. ACS Chemical Biology, 2018, 13, 1291-1298.	1.6	19
29	Compositional and Temporal Changes in the Gut Microbiome of Pediatric Ulcerative Colitis Patients Are Linked to Disease Course. Cell Host and Microbe, 2018, 24, 600-610.e4.	5.1	193
30	The human gut microbiome in early-onset type 1 diabetes from the TEDDY study. Nature, 2018, 562, 589-594.	13.7	623
31	Mother-to-Infant Microbial Transmission from Different Body Sites Shapes the Developing Infant Gut Microbiome. Cell Host and Microbe, 2018, 24, 133-145.e5.	5.1	822
32	Strain-Level Analysis of Mother-to-Child Bacterial Transmission during the First Few Months of Life. Cell Host and Microbe, 2018, 24, 146-154.e4.	5.1	311
33	Intestinal virome changes precede autoimmunity in type I diabetes-susceptible children. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6166-E6175.	3.3	227
34	Indoleacrylic Acid Produced by Commensal Peptostreptococcus Species Suppresses Inflammation. Cell Host and Microbe, 2017, 22, 25-37.e6.	5.1	523
35	A novel Ruminococcus gnavus clade enriched in inflammatory bowel disease patients. Genome Medicine, 2017, 9, 103.	3.6	478
36	Variation in Microbiome LPS Immunogenicity Contributes to Autoimmunity in Humans. Cell, 2016, 165, 842-853.	13.5	968

#	Article	IF	Citations
37	Understanding human immune function using the resources from the Human Functional Genomics Project. Nature Medicine, 2016, 22, 831-833.	15.2	63
38	Bacterial influence on alkenones in live microalgae. Journal of Phycology, 2016, 52, 125-130.	1.0	15
39	Natural history of the infant gut microbiome and impact of antibiotic treatment on bacterial strain diversity and stability. Science Translational Medicine, 2016, 8, 343ra81.	5.8	763
40	Linking the Human Gut Microbiome to Inflammatory Cytokine Production Capacity. Cell, 2016, 167, 1125-1136.e8.	13.5	806
41	Morphological Heterogeneity and Attachment of Phaeobacter inhibens. PLoS ONE, 2015, 10, e0141300.	1.1	24
42	From Cell Differentiation to Cell Collectives: Bacillus subtilis Uses Division of Labor to Migrate. PLoS Biology, 2015, 13, e1002141.	2.6	197
43	New Tools for Comparing Microscopy Images: Quantitative Analysis of Cell Types in Bacillus subtilis. Journal of Bacteriology, 2015, 197, 699-709.	1.0	12
44	Functional Analysis of the Accessory Protein TapA in Bacillus subtilis Amyloid Fiber Assembly. Journal of Bacteriology, 2014, 196, 1505-1513.	1.0	79
45	Biofilm Inhibitors that Target Amyloid Proteins. Chemistry and Biology, 2013, 20, 102-110.	6.2	66
46	Isolation, Characterization, and Aggregation of a Structured Bacterial Matrix Precursor. Journal of Biological Chemistry, 2013, 288, 17559-17568.	1.6	59
47	<i>Bacillus subtilis</i> biofilm induction by plant polysaccharides. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1621-30.	3.3	455
48	Sticking together: building a biofilm the Bacillus subtilis way. Nature Reviews Microbiology, 2013, 11, 157-168.	13.6	834
49	Bacterial flagella explore microscale hummocks and hollows to increase adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5624-5629.	3.3	262
50	Osmotic spreading of <i>Bacillus subtilis</i> biofilms driven by an extracellular matrix. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1116-1121.	3.3	246
51	Galactose Metabolism Plays a Crucial Role in Biofilm Formation by Bacillus subtilis. MBio, 2012, 3, e00184-12.	1.8	140
52	The biofilm formation defect of a <i><scp>B</scp>acillus subtilis</i> flotillinâ€defective mutant involves the protease <scp><scp>FtsH</scp></scp>. Molecular Microbiology, 2012, 86, 457-471.	1.2	71
53	Mixing and Matching Siderophore Clusters: Structure and Biosynthesis of Serratiochelins from <i>Serratia sp.</i> V4. Journal of the American Chemical Society, 2012, 134, 13550-13553.	6.6	48
54	Shear Stress Increases the Residence Time of Adhesion of Pseudomonas aeruginosa. Biophysical Journal, 2011, 100, 341-350.	0.2	145

#	Article	IF	Citations
55	An accessory protein required for anchoring and assembly of amyloid fibres in <i>B. subtilis</i> biofilms. Molecular Microbiology, 2011, 80, 1155-1168.	1.2	190
56	Metalâ€Enhanced Fluorescence to Quantify Bacterial Adhesion. Advanced Materials, 2011, 23, H101-4.	11.1	25
57	Bioimaging: Metal-Enhanced Fluorescence to Quantify Bacterial Adhesion (Adv. Mater. 12/2011). Advanced Materials, 2011, 23, H126-H126.	11.1	0
58	The world of biofilms. Virulence, 2011, 2, 431-434.	1.8	13
59	Extracellular signal regulation of cell differentiation in biofilms. MRS Bulletin, 2011, 36, 374-379.	1.7	19
60	Biofilms. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000398-a000398.	2.3	672
61	Paracrine signaling in a bacterium. Genes and Development, 2009, 23, 1631-1638.	2.7	193
62	Cannibalism enhances biofilm development in <i>Bacillus subtilis</i>. Molecular Microbiology, 2009, 74, 609-618.	1.2	179
63	Control of cell fate by the formation of an architecturally complex bacterial community. Genes and Development, 2008, 22, 945-953.	2.7	462
64	Thinking about Bacillus subtilis as a multicellular organism. Current Opinion in Microbiology, 2007, 10, 638-643.	2.3	206
65	A New Bacteroides Conjugative Transposon That Carries an ermB Gene. Applied and Environmental Microbiology, 2003, 69, 6455-6463.	1.4	67