Helene L Andrews-Polymenis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3266037/publications.pdf

Version: 2024-02-01

48	2,756	186265	233421
papers	citations	28 h-index	45 g-index

53	53	53	3473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Pathogenesis of Salmonella enterica Serotype Typhimurium-Induced Diarrhea. Infection and Immunity, 2003, 71, 1-12.	2.2	273
2	SipA, SopA, SopB, SopD, and SopE2 Contribute to Salmonella enterica Serotype Typhimurium Invasion of Epithelial Cells. Infection and Immunity, 2005, 73, 146-154.	2.2	258
3	Analysis of Pools of Targeted Salmonella Deletion Mutants Identifies Novel Genes Affecting Fitness during Competitive Infection in Mice. PLoS Pathogens, 2009, 5, e1000477.	4.7	178
4	CsgA is a pathogen-associated molecular pattern of Salmonellaâ€ƒenterica serotype Typhimurium that is recognized by Toll-like receptor 2. Molecular Microbiology, 2005, 58, 289-304.	2.5	153
5	Defined Single-Gene and Multi-Gene Deletion Mutant Collections in Salmonella enterica sv Typhimurium. PLoS ONE, 2014, 9, e99820.	2.5	140
6	Respiration of Microbiota-Derived 1,2-propanediol Drives Salmonella Expansion during Colitis. PLoS Pathogens, 2017, 13, e1006129.	4.7	139
7	An Oxidative Central Metabolism Enables Salmonella to Utilize Microbiota-Derived Succinate. Cell Host and Microbe, 2017, 22, 291-301.e6.	11.0	124
8	The CpxR/CpxA Two-component System Up-regulates Two Tat-dependent Peptidoglycan Amidases to Confer Bacterial Resistance to Antimicrobial Peptide. Journal of Biological Chemistry, 2011, 286, 5529-5539.	3.4	91
9	The ABC-Type Efflux Pump MacAB Protects Salmonella enterica serovar Typhimurium from Oxidative Stress. MBio, 2013, 4, e00630-13.	4.1	86
10	Taming the Elephant: Salmonella Biology, Pathogenesis, and Prevention. Infection and Immunity, 2010, 78, 2356-2369.	2.2	85
11	Infection of Mice by Salmonella enterica Serovar Enteritidis Involves Additional Genes That Are Absent in the Genome of Serovar Typhimurium. Infection and Immunity, 2012, 80, 839-849.	2.2	81
12	â€˜Form variationâ€™ of the O12 antigen is critical for persistence of Salmonella Typhimurium in the murine intestine. Molecular Microbiology, 2008, 70, 1105-1119.	2.5	80
13	L-Asparaginase II Produced by Salmonella Typhimurium Inhibits T Cell Responses and Mediates Virulence. Cell Host and Microbe, 2012, 12, 791-798.	11.0	72
14	Contribution of the Type VI Secretion System Encoded in SPI-19 to Chicken Colonization by Salmonella enterica Serotypes Gallinarum and Enteritidis. PLoS ONE, 2010, 5, e11724.	2.5	65
15	A macrophage-based screen identifies antibacterial compounds selective for intracellular Salmonella Typhimurium. Nature Communications, 2019, 10, 197.	12.8	59
16	A Rapid Change in Virulence Gene Expression during the Transition from the Intestinal Lumen into Tissue Promotes Systemic Dissemination of Salmonella. PLoS Pathogens, 2010, 6, e1001060.	4.7	58
17	The Ferric Enterobactin Transporter Fep Is Required for Persistent Salmonella enterica Serovar Typhimurium Infection. Infection and Immunity, 2013, 81, 4063-4070.	2.2	55
18	Bacterial retrons encode phage-defending tripartite toxinâ€“antitoxin systems. Nature, 2022, 609, 144-150.	27.8	52

#	Article	IF	Citations
19	Host Restriction of Salmonella enterica Serotype Typhi Is Not Caused by Functional Alteration of SipA, SopB, or SopD. Infection and Immunity, 2005, 73, 7817-7826.	2.2	45
20	Identification of Novel Factors Involved in Modulating Motility of Salmonella enterica Serotype Typhimurium. PLoS ONE, 2014, 9, e111513.	2.5	45
21	The Type VI Secretion System Encoded in SPI-6 Plays a Role in Gastrointestinal Colonization and Systemic Spread of Salmonella enterica serovar Typhimurium in the Chicken. PLoS ONE, 2013, 8, e63917.	2.5	44
22	Salmonella exploits Arl8B-directed kinesin activity to promote endosome tubulation and cell-to-cell transfer. Cellular Microbiology, 2011, 13, 1812-1823.	2.1	43
23	Requirement of Siderophore Biosynthesis for Plant Colonization by Salmonella enterica. Applied and Environmental Microbiology, 2012, 78, 4561-4570.	3.1	43
24	Only one of the two type VI secretion systems encoded in the Salmonella enterica serotype Dublin genome is involved in colonization of the avian and murine hosts. Veterinary Research, 2014, 45, 2.	3.0	41
25	Genetic Determinants of Salmonella enterica Serovar Typhimurium Proliferation in the Cytosol of Epithelial Cells. Infection and Immunity, 2016, 84, 3517-3526.	2.2	34
26	Host Restriction of Salmonella enterica Serotype Typhimurium Pigeon Isolates Does Not Correlate with Loss of Discrete Genes. Journal of Bacteriology, 2004, 186, 2619-2628.	2.2	33
27	A comparison of cecal colonization of Salmonella enterica serotype Typhimurium in white leghorn chicks and Salmonella-resistant mice. BMC Microbiology, 2008, 8, 182.	3.3	33
28	Spontaneous Excision of the Salmonella enterica Serovar Enteritidis-Specific Defective Prophage-Like Element Ï†SE14. Journal of Bacteriology, 2010, 192, 2246-2254.	2.2	32
29	Novel genetic tools for studying food-borne Salmonella. Current Opinion in Biotechnology, 2009, 20, 149-157.	6.6	30
30	Abrogation of the Twin Arginine Transport System in Salmonella enterica Serovar Typhimurium Leads to Colonization Defects during Infection. PLoS ONE, 2011, 6, e15800.	2.5	30
31	High-throughput Assay to Phenotype Salmonella enterica Typhimurium Association, Invasion, and Replication in Macrophages. Journal of Visualized Experiments, 2014, , e51759.	0.3	27
32	Multicopy Single-Stranded DNA Directs Intestinal Colonization of Enteric Pathogens. PLoS Genetics, 2015, 11, e1005472.	3.5	22
33	Novel Determinants of Intestinal Colonization of Salmonella enterica Serotype Typhimurium Identified in Bovine Enteric Infection. Infection and Immunity, 2013, 81, 4311-4320.	2.2	21
34	Subspecies IIIa and IIIb Salmonellae Are Defective for Colonization of Murine Models of Salmonellosis Compared to Salmonella enterica subsp. I Serovar Typhimurium. Journal of Bacteriology, 2009, 191, 2843-2850.	2.2	18
35	The <scp>EAL</scp> domain containing protein <scp>STM</scp>2215 (rtn) is needed during <scp>S</scp>almonella infection and has cyclic diâ€<scp>GMP</scp> phosphodiesterase activity. Molecular Microbiology, 2013, 89, 403-419.	2.5	15
36	Analysis of Two Complementary Single-Gene Deletion Mutant Libraries of Salmonella Typhimurium in Intraperitoneal Infection of BALB/c Mice. Frontiers in Microbiology, 2015, 6, 1455.	3.5	15

#	Article	IF	Citations
37	The Salmonella type-3 secretion system-1 and flagellar motility influence the neutrophil respiratory burst. PLoS ONE, 2018, 13, e0203698.	2.5	14
38	Contribution of Asparagine Catabolism to Salmonella Virulence. Infection and Immunity, 2017, 85, .	2.2	13
39	De novo pyrimidine synthesis is necessary for intestinal colonization of Salmonella Typhimurium in chicks. PLoS ONE, 2017, 12, e0183751.	2.5	12
40	Salmonella Pathogenicity Island 1 Is Expressed in the Chicken Intestine and Promotes Bacterial Proliferation. Infection and Immunity, 2019, 87, .	2.2	11
41	Novel Two-Step Hierarchical Screening of Mutant Pools Reveals Mutants under Selection in Chicks. Infection and Immunity, 2016, 84, 1226-1238.	2.2	10
42	Genetic background influences survival of infections with Salmonella enterica serovar Typhimurium in the Collaborative Cross. PLoS Genetics, 2022, 18, e1010075.	3.5	9
43	A Salmonella Regulator Modulates Intestinal Colonization and Use of Phosphonoacetic Acid. Frontiers in Cellular and Infection Microbiology, 2017, 7, 69.	3.9	5
44	Mathematical methods for visualization and anomaly detection in telemetry datasets. Interface Focus, 2020, 10, 20190086.	3.0	5
45	Pathogenomics of Salmonella Species. , 2006, , 109-124.		3
46	Deciphering the Enzymatic Function of the Bovine Enteric Infection-Related Protein YfeJ from Salmonella enterica Serotype Typhimurium. Biochemistry, 2019, 58, 1236-1245.	2.5	2
47	Genomics of Salmonella Species. , 2011, , 171-235.		1
48	In vivo identification, expression and function of Salmonella virulence genes. , 0, , 173-206.		0