

Helene L Andrews-Polymenis

List of Publications by Year in descending order

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48
papers

2,756
citations

186265
28
h-index

233421
45
g-index

53
all docs

53
docs citations

53
times ranked

3473
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic background influences survival of infections with <i>Salmonella enterica</i> serovar Typhimurium in the Collaborative Cross. <i>PLoS Genetics</i> , 2022, 18, e1010075.	3.5	9
2	Bacterial retrons encode phage-defending tripartite toxin-antitoxin systems. <i>Nature</i> , 2022, 609, 144-150.	27.8	52
3	Mathematical methods for visualization and anomaly detection in telemetry datasets. <i>Interface Focus</i> , 2020, 10, 20190086.	3.0	5
4	Deciphering the Enzymatic Function of the Bovine Enteric Infection-Related Protein YfeJ from <i>Salmonella enterica</i> Serotype Typhimurium. <i>Biochemistry</i> , 2019, 58, 1236-1245.	2.5	2
5	<i>Salmonella</i> Pathogenicity Island 1 Is Expressed in the Chicken Intestine and Promotes Bacterial Proliferation. <i>Infection and Immunity</i> , 2019, 87, .	2.2	11
6	A macrophage-based screen identifies antibacterial compounds selective for intracellular <i>Salmonella</i> Typhimurium. <i>Nature Communications</i> , 2019, 10, 197.	12.8	59
7	The <i>Salmonella</i> type-3 secretion system-1 and flagellar motility influence the neutrophil respiratory burst. <i>PLoS ONE</i> , 2018, 13, e0203698.	2.5	14
8	An Oxidative Central Metabolism Enables <i>Salmonella</i> to Utilize Microbiota-Derived Succinate. <i>Cell Host and Microbe</i> , 2017, 22, 291-301.e6.	11.0	124
9	Contribution of Asparagine Catabolism to <i>Salmonella</i> Virulence. <i>Infection and Immunity</i> , 2017, 85, .	2.2	13
10	A <i>Salmonella</i> Regulator Modulates Intestinal Colonization and Use of Phosphonoacetic Acid. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 69.	3.9	5
11	De novo pyrimidine synthesis is necessary for intestinal colonization of <i>Salmonella</i> Typhimurium in chicks. <i>PLoS ONE</i> , 2017, 12, e0183751.	2.5	12
12	Respiration of Microbiota-Derived 1,2-propanediol Drives <i>Salmonella</i> Expansion during Colitis. <i>PLoS Pathogens</i> , 2017, 13, e1006129.	4.7	139
13	Genetic Determinants of <i>Salmonella enterica</i> Serovar Typhimurium Proliferation in the Cytosol of Epithelial Cells. <i>Infection and Immunity</i> , 2016, 84, 3517-3526.	2.2	34
14	Novel Two-Step Hierarchical Screening of Mutant Pools Reveals Mutants under Selection in Chicks. <i>Infection and Immunity</i> , 2016, 84, 1226-1238.	2.2	10
15	Multicopy Single-Stranded DNA Directs Intestinal Colonization of Enteric Pathogens. <i>PLoS Genetics</i> , 2015, 11, e1005472.	3.5	22
16	Analysis of Two Complementary Single-Gene Deletion Mutant Libraries of <i>Salmonella</i> Typhimurium in Intra-peritoneal Infection of BALB/c Mice. <i>Frontiers in Microbiology</i> , 2015, 6, 1455.	3.5	15
17	Identification of Novel Factors Involved in Modulating Motility of <i>Salmonella enterica</i> Serotype Typhimurium. <i>PLoS ONE</i> , 2014, 9, e111513.	2.5	45
18	Defined Single-Gene and Multi-Gene Deletion Mutant Collections in <i>Salmonella enterica</i> sv Typhimurium. <i>PLoS ONE</i> , 2014, 9, e99820.	2.5	140

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19	Only one of the two type VI secretion systems encoded in the <i>Salmonella enterica</i> serotype Dublin genome is involved in colonization of the avian and murine hosts. <i>Veterinary Research</i> , 2014, 45, 2.	3.0	41
20	High-throughput Assay to Phenotype <i>Salmonella enterica</i> Typhimurium Association, Invasion, and Replication in Macrophages. <i>Journal of Visualized Experiments</i> , 2014, , e51759.	0.3	27
21	The EAL domain containing protein STM2215 (rtn) is needed during <i>Salmonella enterica</i> infection and has cyclic di-GMP phosphodiesterase activity. <i>Molecular Microbiology</i> , 2013, 89, 403-419.	2.5	15
22	The ABC-Type Efflux Pump MacAB Protects <i>Salmonella enterica</i> serovar Typhimurium from Oxidative Stress. <i>MBio</i> , 2013, 4, e00630-13.	4.1	86
23	The Ferric Enterobactin Transporter Fep Is Required for Persistent <i>Salmonella enterica</i> Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2013, 81, 4063-4070.	2.2	55
24	Novel Determinants of Intestinal Colonization of <i>Salmonella enterica</i> Serotype Typhimurium Identified in Bovine Enteric Infection. <i>Infection and Immunity</i> , 2013, 81, 4311-4320.	2.2	21
25	The Type VI Secretion System Encoded in SPI-6 Plays a Role in Gastrointestinal Colonization and Systemic Spread of <i>Salmonella enterica</i> serovar Typhimurium in the Chicken. <i>PLoS ONE</i> , 2013, 8, e63917.	2.5	44
26	Requirement of Siderophore Biosynthesis for Plant Colonization by <i>Salmonella enterica</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 4561-4570.	3.1	43
27	Infection of Mice by <i>Salmonella enterica</i> Serovar Enteritidis Involves Additional Genes That Are Absent in the Genome of Serovar Typhimurium. <i>Infection and Immunity</i> , 2012, 80, 839-849.	2.2	81
28	L-Asparaginase II Produced by <i>Salmonella</i> Typhimurium Inhibits T Cell Responses and Mediates Virulence. <i>Cell Host and Microbe</i> , 2012, 12, 791-798.	11.0	72
29	The CpxR/CpxA Two-component System Up-regulates Two Tat-dependent Peptidoglycan Amidases to Confer Bacterial Resistance to Antimicrobial Peptide. <i>Journal of Biological Chemistry</i> , 2011, 286, 5529-5539.	3.4	91
30	<i>Salmonella</i> exploits Arl8B-directed kinesin activity to promote endosome tubulation and cell-to-cell transfer. <i>Cellular Microbiology</i> , 2011, 13, 1812-1823.	2.1	43
31	Genomics of <i>Salmonella</i> Species. , 2011, , 171-235.		1
32	Abrogation of the Twin Arginine Transport System in <i>Salmonella enterica</i> Serovar Typhimurium Leads to Colonization Defects during Infection. <i>PLoS ONE</i> , 2011, 6, e15800.	2.5	30
33	Contribution of the Type VI Secretion System Encoded in SPI-19 to Chicken Colonization by <i>Salmonella enterica</i> Serotypes Gallinarum and Enteritidis. <i>PLoS ONE</i> , 2010, 5, e11724.	2.5	65
34	Spontaneous Excision of the <i>Salmonella enterica</i> Serovar Enteritidis-Specific Defective Prophage-Like Element ϕ SE14. <i>Journal of Bacteriology</i> , 2010, 192, 2246-2254.	2.2	32
35	Taming the Elephant: <i>Salmonella</i> Biology, Pathogenesis, and Prevention. <i>Infection and Immunity</i> , 2010, 78, 2356-2369.	2.2	85
36	A Rapid Change in Virulence Gene Expression during the Transition from the Intestinal Lumen into Tissue Promotes Systemic Dissemination of <i>Salmonella</i> . <i>PLoS Pathogens</i> , 2010, 6, e1001060.	4.7	58

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37	Analysis of Pools of Targeted Salmonella Deletion Mutants Identifies Novel Genes Affecting Fitness during Competitive Infection in Mice. <i>PLoS Pathogens</i> , 2009, 5, e1000477.	4.7	178
38	Subspecies IIIa and IIIb Salmonellae Are Defective for Colonization of Murine Models of Salmonellosis Compared to <i>Salmonella enterica</i> subsp. I Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2009, 191, 2843-2850.	2.2	18
39	Novel genetic tools for studying food-borne Salmonella. <i>Current Opinion in Biotechnology</i> , 2009, 20, 149-157.	6.6	30
40	Form variation of the O12 antigen is critical for persistence of <i>Salmonella</i> Typhimurium in the murine intestine. <i>Molecular Microbiology</i> , 2008, 70, 1105-1119.	2.5	80
41	A comparison of cecal colonization of <i>Salmonella enterica</i> serotype Typhimurium in white leghorn chicks and <i>Salmonella</i> -resistant mice. <i>BMC Microbiology</i> , 2008, 8, 182.	3.3	33
42	Pathogenomics of <i>Salmonella</i> Species. , 2006, , 109-124.		3
43	CsgA is a pathogen-associated molecular pattern of <i>Salmonella enterica</i> serotype Typhimurium that is recognized by Toll-like receptor 2. <i>Molecular Microbiology</i> , 2005, 58, 289-304.	2.5	153
44	Host Restriction of <i>Salmonella enterica</i> Serotype Typhi Is Not Caused by Functional Alteration of SipA, SopB, or SopD. <i>Infection and Immunity</i> , 2005, 73, 7817-7826.	2.2	45
45	SipA, SopA, SopB, SopD, and SopE2 Contribute to <i>Salmonella enterica</i> Serotype Typhimurium Invasion of Epithelial Cells. <i>Infection and Immunity</i> , 2005, 73, 146-154.	2.2	258
46	Host Restriction of <i>Salmonella enterica</i> Serotype Typhimurium Pigeon Isolates Does Not Correlate with Loss of Discrete Genes. <i>Journal of Bacteriology</i> , 2004, 186, 2619-2628.	2.2	33
47	Molecular Pathogenesis of <i>Salmonella enterica</i> Serotype Typhimurium-Induced Diarrhea. <i>Infection and Immunity</i> , 2003, 71, 1-12.	2.2	273
48	In vivo identification, expression and function of <i>Salmonella</i> virulence genes. , 0, , 173-206.		0