Wolf-Dietrich Hardt

List of Publications by Year
in descending order

180 papers	20,691 citations	12330 69 h-index	11607 135 g-index
212 all docs	212 docs citations	212 times ranked	19200 citing authors

#	Article	IF	Citations
1	Phages and the Evolution of Bacterial Pathogens: from Genomic Rearrangements to Lysogenic Conversion. Microbiology and Molecular Biology Reviews, 2004, 68, 560-602.	6.6	1,412
2	Salmonella enterica Serovar Typhimurium Exploits Inflammation to Compete with the Intestinal Microbiota. PLoS Biology, 2007, 5, e244.	5.6	905
3	Pretreatment of Mice with Streptomycin Provides a<i>Salmonella enterica</i>Serovar Typhimurium Colitis Model That Allows Analysis of Both Pathogen and Host. Infection and Immunity, 2003, 71, 2839-2858.	2.2	864
4	S. typhimurium Encodes an Activator of Rho GTPases that Induces Membrane Ruffling and Nuclear Responses in Host Cells. Cell, 1998, 93, 815-826.	28.9	764
5	Definitions and guidelines for research on antibiotic persistence. Nature Reviews Microbiology, 2019, 17, 441-448.	28.6	748
6	Intestinal Lamina Propria Dendritic Cell Subsets Have Different Origin and Functions. Immunity, 2009, 31, 502-512.	14.3	635
7	Innate and Adaptive Immunity Cooperate Flexibly to Maintain Host-Microbiota Mutualism. Science, 2009, 325, 617-620.	12.6	443
8	The role of microbiota in infectious disease. Trends in Microbiology, 2008, 16, 107-114.	7.7	440
9	Gut inflammation can boost horizontal gene transfer between pathogenic and commensal <i>Enterobacteriaceae</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1269-1274.	7.1	398
10	Self-destructive cooperation mediated by phenotypic noise. Nature, 2008, 454, 987-990.	27.8	384
11	Like Will to Like: Abundances of Closely Related Species Can Predict Susceptibility to Intestinal Colonization by Pathogenic and Commensal Bacteria. PLoS Pathogens, 2010, 6, e1000711.	4.7	367
12	Mechanisms controlling pathogen colonization of the gut. Current Opinion in Microbiology, 2011, 14, 82-91.	5.1	345
13	The Salmonella Pathogenicity Island (SPI)-2 and SPI-1 Type III Secretion Systems Allow <i>Salmonella</i> Serovar <i>typhimurium</i> to Trigger Colitis via MyD88-Dependent and MyD88-Independent Mechanisms. Journal of Immunology, 2005, 174, 1675-1685.	0.8	344
14	Epithelium-Intrinsic NAIP/NLRC4 Inflammasome Drives Infected Enterocyte Expulsion to Restrict Salmonella Replication in the Intestinal Mucosa. Cell Host and Microbe, 2014, 16, 237-248.	11.0	327
15	The Microbiota Mediates Pathogen Clearance from the Gut Lumen after Non-Typhoidal Salmonella Diarrhea. PLoS Pathogens, 2010, 6, e1001097.	4.7	314
16	'Blooming' in the gut: how dysbiosis might contribute to pathogen evolution. Nature Reviews Microbiology, 2013, 11, 277-284.	28.6	314
17	High-avidity IgA protects the intestine by enchaining growing bacteria. Nature, 2017, 544, 498-502.	27.8	307
18	Flagella and Chemotaxis Are Required for Efficient Induction of Salmonella enterica Serovar Typhimurium Colitis in Streptomycin-Pretreated Mice. Infection and Immunity, 2004, 72, 4138-4150.	2.2	305

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19	Stabilization of cooperative virulence by the expression of an avirulent phenotype. Nature, 2013, 494, 353-356.	27.8	289
20	Clostridium difficile Toxin CDT Induces Formation of Microtubule-Based Protrusions and Increases Adherence of Bacteria. PLoS Pathogens, 2009, 5, e1000626.	4.7	283
21	Identification of SopE2 from Salmonella typhimurium, a conserved guanine nucleotide exchange factor for Cdc42 of the host cell. Molecular Microbiology, 2002, 36, 1206-1221.	2.5	256
22	Multi-omic measurements of heterogeneity in HeLa cells across laboratories. Nature Biotechnology, 2019, 37, 314-322.	17.5	254
23	The Salmonella enterica Serotype Typhimurium Effector Proteins SipA, SopA, SopB, SopD, and SopE2 Act in Concert To Induce Diarrhea in Calves. Infection and Immunity, 2002, 70, 3843-3855.	2.2	249
24	The Cost of Virulence: Retarded Growth of Salmonella Typhimurium Cells Expressing Type III Secretion System 1. PLoS Pathogens, 2011, 7, e1002143.	4.7	213
25	Pathogen-Induced TLR4-TRIF Innate Immune Signaling in Hematopoietic Stem Cells Promotes Proliferation but Reduces Competitive Fitness. Cell Stem Cell, 2017, 21, 225-240.e5.	11.1	210
26	SopE and SopE2 from Salmonella typhimurium Activate Different Sets of RhoGTPases of the Host Cell. Journal of Biological Chemistry, 2001, 276, 34035-34040.	3.4	209
27	Role of the Salmonella Pathogenicity Island 1 Effector Proteins SipA, SopB, SopE, and SopE2 in Salmonella enterica Subspecies 1 Serovar Typhimurium Colitis in Streptomycin-Pretreated Mice. Infection and Immunity, 2004, 72, 795-809.	2.2	202
28	Real-time imaging of type III secretion: Salmonella SipA injection into host cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12548-12553.	7.1	178
29	Salmonella type III secretion effectors: pulling the host cell's strings. Current Opinion in Microbiology, 2006, 9, 46-54.	5.1	174
30	Motility allows S.ÂTyphimurium to benefit from the mucosal defence. Cellular Microbiology, 2008, 10, 1166-1180.	2.1	174
31	Bistable Expression of Virulence Genes in Salmonella Leads to the Formation of an Antibiotic-Tolerant Subpopulation. PLoS Biology, 2014, 12, e1001928.	5.6	172
32	Salmonella persisters promote the spread of antibiotic resistance plasmids in the gut. Nature, 2019, 573, 276-280.	27.8	169
33	A mouse model for S. typhimurium-induced enterocolitis. Trends in Microbiology, 2005, 13, 497-503.	7.7	167
34	Microbe sampling by mucosal dendritic cells is a discrete, MyD88-independent stepin Î”<i>invG S</i>. Typhimurium colitis. Journal of Experimental Medicine, 2008, 205, 437-450.	8.5	164
35	Salmonella Pathogenicity Island 4 encodes a giant non-fimbrial adhesin and the cognate type 1 secretion system. Cellular Microbiology, 2007, 9, 1834-1850.	2.1	163
36	Inflammation boosts bacteriophage transfer between <i>Salmonella</i> spp.. Science, 2017, 355, 1211-1215.	12.6	160

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37	Salmonella effectors within a single pathogenicity island are differentially expressed and translocated by separate type III secretion systems. Molecular Microbiology, 2002, 43, 1089-1103.	2.5	153
38	The streptomycin mouse model for <i>Salmonella</i> diarrhea: functional analysis of the microbiota, the pathogenâ€™s virulence factors, and the hostâ€™s mucosal immune response. Immunological Reviews, 2012, 245, 56-83.	6.0	153
39	<i>Salmonella typhimurium</i>Encodes a Putative Iron Transport System within the Centisome 63 Pathogenicity Island. Infection and Immunity, 1999, 67, 1974-1981.	2.2	146
40	Microbiota-Derived Hydrogen Fuels Salmonella Typhimurium Invasion of the Gut Ecosystem. Cell Host and Microbe, 2013, 14, 641-651.	11.0	145
41	A Burkholderia pseudomallei Type III Secreted Protein, BopE, Facilitates Bacterial Invasion of Epithelial Cells and Exhibits Guanine Nucleotide Exchange Factor Activity. Journal of Bacteriology, 2003, 185, 4992-4996.	2.2	143
42	Cecum Lymph Node Dendritic Cells Harbor Slow-Growing Bacteria Phenotypically Tolerant to Antibiotic Treatment. PLoS Biology, 2014, 12, e1001793.	5.6	139
43	Evolution of bacterial virulence. FEMS Microbiology Reviews, 2017, 41, 679-697.	8.6	139
44	Comparison of Salmonella enterica Serovar Typhimurium Colitis in Germfree Mice and Mice Pretreated with Streptomycin. Infection and Immunity, 2005, 73, 3228-3241.	2.2	136
45	The S. Typhimurium Effector SopE Induces Caspase-1 Activation in Stromal Cells to Initiate Gut Inflammation. Cell Host and Microbe, 2009, 6, 125-136.	11.0	135
46	The Impact of 18 Ancestral and Horizontally-Acquired Regulatory Proteins upon the Transcriptome and sRNA Landscape of Salmonella enterica serovar Typhimurium. PLoS Genetics, 2016, 12, e1006258.	3.5	129
47	Salmonella Gut Invasion Involves TTSS-2-Dependent Epithelial Traversal, Basolateral Exit, and Uptake by Epithelium-Sampling Lamina Propria Phagocytes. Cell Host and Microbe, 2012, 11, 19-32.	11.0	127
48	Structural basis for the reversible activation of a Rho protein by the bacterial toxin SopE. EMBO Journal, 2002, 21, 3286-3295.	7.8	126
49	Caspase-1 Has Both Proinflammatory and Regulatory Properties in <i>Helicobacter</i> Infections, Which Are Differentially Mediated by Its Substrates IL-1Î² and IL-18. Journal of Immunology, 2012, 188, 3594-3602.	0.8	126
50	TLR5 Signaling Stimulates the Innate Production of IL-17 and IL-22 by CD3negCD127+ Immune Cells in Spleen and Mucosa. Journal of Immunology, 2010, 185, 1177-1185.	0.8	124
51	Salmonella Host Cell Invasion Emerged by Acquisition of a Mosaic of Separate Genetic Elements, Including Salmonella Pathogenicity Island 1 (SPI1), SPI5, and sopE2. Journal of Bacteriology, 2001, 183, 2348-2358.	2.2	121
52	Autophagy Proteins Promote Repair of Endosomal Membranes Damaged by the Salmonella Type Three Secretion System 1. Cell Host and Microbe, 2015, 18, 527-537.	11.0	116
53	Evolutionary causes and consequences of bacterial antibiotic persistence. Nature Reviews Microbiology, 2020, 18, 479-490.	28.6	113
54	Near Surface Swimming of Salmonella Typhimurium Explains Target-Site Selection and Cooperative Invasion. PLoS Pathogens, 2012, 8, e1002810.	4.7	109

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55	Salmonella-Induced Mucosal Lectin RegIIIÎ² Kills Competing Gut Microbiota. PLoS ONE, 2011, 6, e20749.	2.5	102
56	Salmonella Typhimurium Diarrhea Reveals Basic Principles of Enteropathogen Infection and Disease-Promoted DNA Exchange. Cell Host and Microbe, 2017, 21, 443-454.	11.0	98
57	Intestinal epithelial NAIP/NLRC4 restricts systemic dissemination of the adapted pathogen Salmonella Typhimurium due to site-specific bacterial PAMP expression. Mucosal Immunology, 2020, 13, 530-544.	6.0	94
58	The Bactericidal Activity of the C-type Lectin RegIIIÎ² against Gram-negative Bacteria involves Binding to Lipid A. Journal of Biological Chemistry, 2012, 287, 34844-34855.	3.4	91
59	RNAi screen of <i>Salmonella</i> invasion shows role of COPI in membrane targeting of cholesterol and Cdc42. Molecular Systems Biology, 2011, 7, 474.	7.2	89
60	Escherichia coli limits Salmonella Typhimurium infections after diet shifts and fat-mediated microbiota perturbation in mice. Nature Microbiology, 2019, 4, 2164-2174.	13.3	88
61	Mucus Architecture and Near-Surface Swimming Affect Distinct Salmonella Typhimurium Infection Patterns along the Murine Intestinal Tract. Cell Reports, 2019, 27, 2665-2678.e3.	6.4	88
62	Antibiotic Treatment Selects for Cooperative Virulence of Salmonella Typhimurium. Current Biology, 2014, 24, 2000-2005.	3.9	87
63	Protection Against Murine Listeriosis by Oral Vaccination with Recombinant <i>Salmonella</i> Expressing Hybrid <i>Yersinia</i> Type III Proteins. Journal of Immunology, 2001, 167, 357-365.	0.8	85
64	The Bactericidal Lectin RegIIIÎ² Prolongs Gut Colonization and Enteropathy in the Streptomycin Mouse Model for Salmonella Diarrhea. Cell Host and Microbe, 2017, 21, 195-207.	11.0	84
65	Biochemical Analysis of SopE from Salmonella typhimurium, a Highly Efficient Guanosine Nucleotide Exchange Factor for RhoGTPases. Journal of Biological Chemistry, 1999, 274, 30501-30509.	3.4	83
66	Transfer of the Salmonella type III effector sopE between unrelated phage families 1 1Edited by M. Gottesman. Journal of Molecular Biology, 2001, 312, 7-16.	4.2	83
67	The Major RNA-Binding Protein ProQ Impacts Virulence Gene Expression in Salmonella enterica Serovar Typhimurium. MBio, 2019, 10, .	4.1	81
68	Lead-ion-induced cleavage of RNase P RNA. FEBS Journal, 1994, 219, 49-56.	0.2	79
69	Enhanced CellClassifier: a multi-class classification tool for microscopy images. BMC Bioinformatics, 2010, 11, 30.	2.6	78
70	Stromal IFN-Î³R-Signaling Modulates Goblet Cell Function During Salmonella Typhimurium Infection. PLoS ONE, 2011, 6, e22459.	2.5	78
71	<i>Salmonella enterica</i>Serovar Typhimurium Binds to HeLa Cells via Fim-Mediated Reversible Adhesion and Irreversible Type Three Secretion System 1-Mediated Docking. Infection and Immunity, 2011, 79, 330-341.	2.2	78
72	Role of the Salmonella Pathogenicity Island 1 (SPI-1) Protein InvB in Type III Secretion of SopE and SopE2, Two Salmonella Effector Proteins Encoded Outside of SPI-1. Journal of Bacteriology, 2003, 185, 6950-6967.	2.2	77

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73	Inflammasomes of the intestinal epithelium. Trends in Immunology, 2015, 36, 442-450.	6.8	76
74	A Simple Screen to Identify Promoters Conferring High Levels of Phenotypic Noise. PLoS Genetics, 2008, 4, e1000307.	3.5	74
75	Granulocytes Impose a Tight Bottleneck upon the Gut Luminal Pathogen Population during Salmonella Typhimurium Colitis. PLoS Pathogens, 2014, 10, e1004557.	4.7	73
76	Lack of mismatch correction facilitates genome evolution in mycobacteria. Molecular Microbiology, 2004, 53, 1601-1609.	2.5	70
77	Lymph Node Colonization Dynamics after Oral Salmonella Typhimurium Infection in Mice. PLoS Pathogens, 2013, 9, e1003532.	4.7	70
78	Plasmid- and strain-specific factors drive variation in ESBL-plasmid spread in vitro and in vivo. ISME Journal, 2021, 15, 862-878.	9.8	66
79	Kinetics and Thermodynamics of the RNase P RNA Cleavage Reaction:Analysis of tRNA 3'-end Variants. Journal of Molecular Biology, 1995, 247, 161-172.	4.2	65
80	Chronic Salmonella enterica Serovar Typhimurium-Induced Colitis and Cholangitis in Streptomycin-Pretreated Nramp1+/+ Mice. Infection and Immunity, 2006, 74, 5047-5057.	2.2	65
81	Hierarchical Effector Protein Transport by the Salmonella Typhimurium SPI-1 Type III Secretion System. PLoS ONE, 2008, 3, e2178.	2.5	64
82	ATP released by intestinal bacteria limits the generation of protective IgA against enteropathogens. Nature Communications, 2019, 10, 250.	12.8	63
83	Bacteriophage-encoded type III effectors in Salmonella enterica subspecies 1 serovar Typhimurium. Infection, Genetics and Evolution, 2005, 5, 1-9.	2.3	63
84	Characterization of SprA, an AraC-like transcriptional regulator encoded within the Salmonella typhimurium pathogenicity island 1. Molecular Microbiology, 1999, 33, 139-152.	2.5	61
85	Specific inhibition of diverse pathogens in human cells by synthetic microRNA-like oligonucleotides inferred from RNAi screens. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4548-4553.	7.1	60
86	Dangerous Liaisons between a Microbe and the Prion Protein. Journal of Experimental Medicine, 2003, 198, 1-4.	8.5	59
87	Virulence of Broad- and Narrow-Host-Range Salmonella enterica Serovars in the Streptomycin-PretreatedMouse Model. Infection and Immunity, 2006, 74, 632-644.	2.2	58
88	Myeloperoxidase targets oxidative host attacks to Salmonella and prevents collateral tissue damage. Nature Microbiology, 2017, 2, 16268.	13.3	58
89	Import of Aspartate and Malate by DcuABC Drives H2/Fumarate Respiration to Promote Initial Salmonella Gut-Lumen Colonization in Mice. Cell Host and Microbe, 2020, 27, 922-936.e6.	11.0	58
90	Long-term evolution and short-term adaptation of microbiota strains and sub-strains in mice. Cell Host and Microbe, 2021, 29, 650-663.e9.	11.0	58

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91	The SopEÎ¦ Phage Integrates into the<i>ssrA</i>Gene<i>of Salmonella enterica</i>Serovar Typhimurium A36 and Is Closely Related to the Fels-2 Prophage. Journal of Bacteriology, 2003, 185, 5182-5191.	2.2	57
92	O-Antigen-Negative<i>Salmonella enterica</i>Serovar Typhimurium Is Attenuated in Intestinal Colonization but Elicits Colitis in Streptomycin-Treated Mice. Infection and Immunity, 2009, 77, 2568-2575.	2.2	57
93	Salmonella Transiently Reside in Luminal Neutrophils in the Inflamed Gut. PLoS ONE, 2012, 7, e34812.	2.5	57
94	Phage mediated horizontal transfer of thesopE1gene increases enteropathogenicity ofSalmonella entericaserotype Typhimurium for calves. FEMS Microbiology Letters, 2002, 217, 243-247.	1.8	56
95	Bacteriophage-encoded type III effectors in subspecies 1 serovar Typhimurium. Infection, Genetics and Evolution, 2005, 5, 1-9.	2.3	53
96	Molecular dissection of<i>Salmonella</i>-induced membrane ruffling versus invasion. Cellular Microbiology, 2010, 12, 84-98.	2.1	52
97	An NK Cell Perforin Response Elicited via IL-18 Controls Mucosal Inflammation Kinetics during Salmonella Gut Infection. PLoS Pathogens, 2016, 12, e1005723.	4.7	51
98	Gel retardation analysis ofE.coliM1 RNA-tRNA complexes. Nucleic Acids Research, 1993, 21, 3521-3527.	14.5	48
99	InvB Is Required for Type III-Dependent Secretion of SopA in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2004, 186, 1215-1219.	2.2	48
100	Epithelium-autonomous NAIP/NLRC4 prevents TNF-driven inflammatory destruction of the gut epithelial barrier in Salmonella-infected mice. Mucosal Immunology, 2021, 14, 615-629.	6.0	45
101	NADPH Oxidase Deficient Mice Develop Colitis and Bacteremia upon Infection with Normally Avirulent, TTSS-1- and TTSS-2-Deficient Salmonella Typhimurium. PLoS ONE, 2013, 8, e77204.	2.5	44
102	<i>Salmonella</i> pathogenicity island 1 differentially modulates bacterial entry to dendritic and nonâ€phagocytic cells. Immunology, 2010, 130, 273-287.	4.4	43
103	Low-oxygen tensions found in<i>S</i><i>almonella</i>-infected gut tissue boost<i>S</i><i>almonella</i>replication in macrophages by impairing antimicrobial activity and augmenting<i>S</i><i>almonella</i>virulence. Cellular Microbiology, 2015, 17, 1833-1847.	2.1	43
104	Outer Membrane Permeabilization Is an Essential Step in the Killing of Gram-Negative Bacteria by the Lectin RegIIIÎ². PLoS ONE, 2013, 8, e69901.	2.5	42
105	Characterization of effector proteins translocated via the SPI1 type III secretion system of Salmonella typhimurium. International Journal of Medical Microbiology, 2001, 291, 479-485.	3.6	40
106	Two newly identified SipA domains (F1, F2) steer effector protein localization and contribute to <i>Salmonella</i> host cell manipulation. Molecular Microbiology, 2007, 65, 741-760.	2.5	39
107	Simultaneous analysis of large-scale RNAi screens for pathogen entry. BMC Genomics, 2014, 15, 1162.	2.8	38
108	Impact of Salmonella Typhimurium DT104 virulence factors invC and sseD on the onset, clinical course, colonization patterns and immune response of porcine salmonellosis. Veterinary Microbiology, 2007, 124, 274-285.	1.9	37

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109	Salmonella Typhimurium discreet-invasion of the murine gut absorptive epithelium. PLoS Pathogens, 2020, 16, e1008503.	4.7	37
110	Deletion of invH gene in Salmonella enterica serovar Typhimurium limits the secretion of Sip effector proteins. Microbes and Infection, 2013, 15, 66-73.	1.9	36
111	Salmonella effector driven invasion of the gut epithelium: breaking in and setting the house on fire. Current Opinion in Microbiology, 2021, 64, 9-18.	5.1	36
112	Bacterial Colitis Increases Susceptibility to Oral Prion Disease. Journal of Infectious Diseases, 2009, 199, 243-252.	4.0	35
113	The<i>S</i><i>almonella</i>â€...Typhimurium effector protein SopE transiently localizes to the early SCV and contributes to intracellular replication. Cellular Microbiology, 2014, 16, 1723-1735.	2.1	35
114	gespeR: a statistical model for deconvoluting off-target-confounded RNA interference screens. Genome Biology, 2015, 16, 220.	8.8	35
115	Bacterial detection by NAIP/NLRC4 elicits prompt contractions of intestinal epithelial cell layers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	35
116	Experimental approaches to phenotypic diversity in infection. Current Opinion in Microbiology, 2015, 27, 25-36.	5.1	34
117	In Macrophages, Caspase-1 Activation by SopE and the Type III Secretion System-1 of S. Typhimurium Can Proceed in the Absence of Flagellin. PLoS ONE, 2010, 5, e12477.	2.5	34
118	Subpopulation-Specific Metabolic Pathway Usage in Mixed Cultures as Revealed by Reporter Protein-Based ¹³ C Analysis. Applied and Environmental Microbiology, 2011, 77, 1816-1821.	3.1	33
119	IFN-Î³ Hinders Recovery from Mucosal Inflammation during Antibiotic Therapy for Salmonella Gut Infection. Cell Host and Microbe, 2016, 20, 238-249.	11.0	33
120	Salmonella Typhimurium diarrhea: switching the mucosal epithelium from homeostasis to defense. Current Opinion in Immunology, 2011, 23, 456-463.	5.5	31
121	Epithelial inflammasomes in the defense against Salmonella gut infection. Current Opinion in Microbiology, 2021, 59, 86-94.	5.1	31
122	Spatiotemporal proteomics uncovers cathepsin-dependent macrophage cell death during Salmonella infection. Nature Microbiology, 2020, 5, 1119-1133.	13.3	30
123	Amino Acids of the Bacterial Toxin SopE Involved in G Nucleotide Exchange on Cdc42. Journal of Biological Chemistry, 2003, 278, 27149-27159.	3.4	29
124	Salmonella Pathogenicity Island 2-Mediated Overexpression of Chimeric SspH2 Proteins for Simultaneous Induction of Antigen-Specific CD4 and CD8 T Cells. Infection and Immunity, 2005, 73, 334-341.	2.2	29
125	Absence of Poly(ADP-Ribose) Polymerase 1 Delays the Onset of <i>Salmonella enterica</i> Serovar Typhimurium-Induced Gut Inflammation. Infection and Immunity, 2010, 78, 3420-3431.	2.2	29
126	How Food Affects Colonization Resistance Against Enteropathogenic Bacteria. Annual Review of Microbiology, 2020, 74, 787-813.	7.3	27

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127	A Novel Phage Element of Salmonella enterica Serovar Enteritidis P125109 Contributes to Accelerated Type III Secretion System 2-Dependent Early Inflammation Kinetics in a Mouse Colitis Model. Infection and Immunity, 2012, 80, 3236-3246.	2.2	26
128	Germâ€free and microbiotaâ€associated mice yield small intestinal epithelial organoids with equivalent and robust transcriptome/proteome expression phenotypes. Cellular Microbiology, 2020, 22, e13191.	2.1	26
129	Accelerated Type III Secretion System 2-Dependent Enteropathogenesis by a <i>Salmonella enterica</i> Serovar Enteritidis PT4/6 Strain. Infection and Immunity, 2009, 77, 3569-3577.	2.2	25
130	Live Attenuated S. Typhimurium Vaccine with Improved Safety in Immuno-Compromised Mice. PLoS ONE, 2012, 7, e45433.	2.5	25
131	Indirect Toll-like receptor 5-mediated activation of conventional dendritic cells promotes the mucosal adjuvant activity of flagellin in the respiratory tract. Vaccine, 2015, 33, 3331-3341.	3.8	24
132	The chaperone binding domain of SopE inhibits transport via flagellar and SPI-1 TTSS in the absence of InvB. Molecular Microbiology, 2006, 59, 248-264.	2.5	23
133	Peroral Ciprofloxacin Therapy Impairs the Generation of a Protective Immune Response in a Mouse Model for Salmonella enterica Serovar Typhimurium Diarrhea, while Parenteral Ceftriaxone Therapy Does Not. Antimicrobial Agents and Chemotherapy, 2012, 56, 2295-2304.	3.2	23
134	<i>Bartonella henselae</i> engages inside-out and outside-in signaling by integrin Î²1 and talin1 during invasome-mediated bacterial uptake. Journal of Cell Science, 2011, 124, 3591-3602.	2.0	22
135	A rationally designed oral vaccine induces immunoglobulin A in the murine gut that directs the evolution of attenuated Salmonella variants. Nature Microbiology, 2021, 6, 830-841.	13.3	21
136	Enchained growth and cluster dislocation: A possible mechanism for microbiota homeostasis. PLoS Computational Biology, 2019, 15, e1006986.	3.2	20
137	High throughput sequencing provides exact genomic locations of inducible prophages and accurate phage-to-host ratios in gut microbial strains. Microbiome, 2021, 9, 77.	11.1	20
138	Microbiota-derived metabolites inhibit <i>Salmonella</i> virulent subpopulation development by acting on single-cell behaviors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
139	Inflammatory bactericidal lectin RegIIIÎ²: Friend or foe for the host?. Gut Microbes, 2018, 9, 179-187.	9.8	20
140	Salmonella Typhimurium Strain ATCC14028 Requires H2-Hydrogenases for Growth in the Gut, but Not at Systemic Sites. PLoS ONE, 2014, 9, e110187.	2.5	20
141	Mutational Analysis of the Joining Regions Flanking Helix P18 inE. coliRNase P RNA. Journal of Molecular Biology, 1996, 259, 422-433.	4.2	18
142	Roles of spvB and spvC in S. Typhimurium colitis via the alternative pathway. International Journal of Medical Microbiology, 2011, 301, 117-124.	3.6	18
143	Microbiota stability in healthy individuals after single-dose lactulose challengeâ€"A randomized controlled study. PLoS ONE, 2018, 13, e0206214.	2.5	18
144	Barcoded Consortium Infections Resolve Cell Type-Dependent Salmonella enterica Serovar Typhimurium Entry Mechanisms. MBio, 2019, 10, .	4.1	17

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145	Basic Processes in <i>Salmonella</i> -Host Interactions: Within-Host Evolution and the Transmission of the Virulent Genotype. Microbiology Spectrum, 2017, 5, .	3.0	16
146	miR-802 regulates Paneth cell function and enterocyte differentiation in the mouse small intestine. Nature Communications, 2021, 12, 3339.	12.8	16
147	A Genome-Wide siRNA Screen Implicates Spire1/2 in SipA-Driven Salmonella Typhimurium Host Cell Invasion. PLoS ONE, 2016, 11, e0161965.	2.5	16
148	Quantitative insights into actin rearrangements and bacterial target site selection fromSalmonellaâ€…Typhimurium infection of micropatterned cells. Cellular Microbiology, 2013, 15, n/a-n/a.	2.1	15
149	Consequences of Epithelial Inflammasome Activation by Bacterial Pathogens. Journal of Molecular Biology, 2018, 430, 193-206.	4.2	15
150	The Interplay between <i>Salmonella enterica</i> Serovar Typhimurium and the Intestinal Mucosa during Oral Infection. Microbiology Spectrum, 2019, 7, .	3.0	15
151	Pathogen invasion-dependent tissue reservoirs and plasmid-encoded antibiotic degradation boost plasmid spread in the gut. ELife, 2021, 10, .	6.0	15
152	Towards a new concept of gene inactivation: specific RNA cleavage by endogenous ribonuclease P. Biotechnology Annual Review, 1995, 1, 215-265.	2.1	14
153	IL-17A/F-Signaling Does Not Contribute to the Initial Phase of Mucosal Inflammation Triggered by S. Typhimurium. PLoS ONE, 2010, 5, e13804.	2.5	14
154	Intercrypt sentinel macrophages tune antibacterial NF-Î°B responses in gut epithelial cells via TNF. Journal of Experimental Medicine, 2021, 218, .	8.5	14
155	Silicon Nitride, a Bioceramic for Bone Tissue Engineering: A Reinforced Cryogel System With Antibiofilm and Osteogenic Effects. Frontiers in Bioengineering and Biotechnology, 2021, 9, 794586.	4.1	14
156	Impact of horizontal gene transfer on emergence and stability of cooperative virulence in Salmonella Typhimurium. Nature Communications, 2022, 13, 1939.	12.8	14
157	Purification and biochemical activity of Salmonella exchange factor SopE. Methods in Enzymology, 2000, 325, 82-91.	1.0	12
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