David W Holden

List of Publications by Year
in descending order

93	10,633	26630 56	43889 91
papers	citations	h-index	g-index

99	99	99	10008
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Internalization of Salmonella by Macrophages Induces Formation of Nonreplicating Persisters. Science, 2014, 343, 204-208.	12.6	626
2	Genes encoding putative effector proteins of the type III secretion system ofSalmonellapathogenicity island 2 are required for bacterial virulence and proliferation in macrophages. Molecular Microbiology, 1998, 30, 163-174.	2.5	571
3	Salmonella Pathogenicity Island 2-Dependent Evasion of the Phagocyte NADPH Oxidase. Science, 2000, 287, 1655-1658.	12.6	513
4	Identification of Staphylococcus aureus virulence genes in a murine model of bacteraemia using signatureâ€tagged mutagenesis. Molecular Microbiology, 1997, 26, 399-407.	2.5	421
5	Functions and effectors of the Salmonella pathogenicity island 2 type III secretion system. Cellular Microbiology, 2003, 5, 501-511.	2.1	354
6	Salmonella SPI-2 Type III Secretion System Effectors: Molecular Mechanisms And Physiological Consequences. Cell Host and Microbe, 2017, 22, 217-231.	11.0	311
7	Functions of the Salmonella pathogenicity island 2 (SPI-2) type III secretion system effectors. Microbiology (United Kingdom), 2012, 158, 1147-1161.	1.8	300
8	Dynamics of intracellular bacterial replication at the single cell level. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3746-3751.	7.1	273
9	A functional genomic analysis of type 3 Streptococcus pneumoniae virulence. Molecular Microbiology, 2001, 40, 555-571.	2.5	259
10	Complementary activities of SseJ and SifA regulate dynamics of the Salmonella typhimurium vacuolar membrane. Molecular Microbiology, 2002, 44, 645-661.	2.5	240
11	Intracellular replication ofSalmonella typhimuriumstrains in specific subsets of splenic macrophagesinÂvivo. Cellular Microbiology, 2001, 3, 587-597.	2.1	210
12	SseL, a Salmonella deubiquitinase required for macrophage killing and virulence. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3502-3507.	7.1	208
13	Use of mixed infections with Salmonella strains to study virulence genes and their interactions in vivo. Microbes and Infection, 2001, 3, 1345-1352.	1.9	197
14	Salmonella Manipulation of Host Signaling Pathways Provokes Cellular Transformation Associated with Gallbladder Carcinoma. Cell Host and Microbe, 2015, 17, 763-774.	11.0	195
15	pH-dependent secretion of SseB, a product of the SPI-2 type III secretion system of Salmonella typhimurium. Molecular Microbiology, 1999, 33, 806-816.	2.5	192
16	In Vivo Genetic Analysis of Bacterial Virulence. Annual Review of Microbiology, 1999, 53, 129-154.	7.3	189
17	Functional analysis of ssaJ and the ssaK/U operon, 13 genes encoding components of the type III secretion apparatus of Salmonella Pathogenicity Island 2. Molecular Microbiology, 1997, 24, 155-167.	2.5	180
18	SpvC is a Salmonella effector with phosphothreonine lyase activity on host mitogenâ€activated protein kinases. Molecular Microbiology, 2008, 67, 1371-1383.	2.5	180

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19	Influence of theSalmonella typhimuriumPathogenicity Island 2 Type III Secretion System on Bacterial Growth in the Mouse. Infection and Immunity, 1999, 67, 213-219.	2.2	179
20	Salmonella Inhibits Retrograde Trafficking of Mannose-6-Phosphate Receptors and Lysosome Function. Science, 2012, 338, 963-967.	12.6	176
21	Growth and killing of a Salmonella enterica serovar Typhimurium sifA mutant strain in the cytosol of different host cell lines. Microbiology (United Kingdom), 2002, 148, 2705-2715.	1.8	165
22	SseG, a virulence protein that targets Salmonella to the Golgi network. EMBO Journal, 2003, 22, 5003-5014.	7.8	163
23	pH Sensing by Intracellular Salmonella Induces Effector Translocation. Science, 2010, 328, 1040-1043.	12.6	160
24	Immunization with Components of Two Iron Uptake ABC Transporters Protects Mice against Systemic Streptococcus pneumoniae Infection. Infection and Immunity, 2001, 69, 6702-6706.	2.2	150
25	Remodelling of the actin cytoskeleton is essential for replication of intravacuolar Salmonella. Cellular Microbiology, 2001, 3, 567-577.	2.1	149
26	The Salmonella Deubiquitinase SseL Inhibits Selective Autophagy of Cytosolic Aggregates. PLoS Pathogens, 2012, 8, e1002743.	4.7	145
27	The Aspergillus fumigatus chsC and chsG genes encode Class III chitin synthases with different functions. Molecular Microbiology, 1996, 20, 667-679.	2.5	141
28	Identification of Salmonella Pathogenicity Island-2 Type III Secretion System Effectors Involved in Intramacrophage Replication of S. enterica Serovar Typhimurium: Implications for Rational Vaccine Design. MBio, 2013, 4, e00065.	4.1	140
29	The roles of SsrAâ€“SsrB and OmpRâ€“EnvZ in the regulation of genes encoding the Salmonella typhimurium SPI-2 type III secretion system. Microbiology (United Kingdom), 2003, 149, 2385-2396.	1.8	133
30	Trafficking of the Salmonella Vacuole in Macrophages. Traffic, 2002, 3, 161-169.	2.7	132
31	The Molecular Basis for Ubiquitin and Ubiquitin-like Specificities in Bacterial Effector Proteases. Molecular Cell, 2016, 63, 261-276.	9.7	119
32	Microtubule motors control membrane dynamics of Salmonella-containing vacuoles. Journal of Cell Science, 2004, 117, 1033-1045.	2.0	110
33	Dynamics of growth and dissemination of Salmonella in vivo. Cellular Microbiology, 2010, 12, 1389-1397.	2.1	109
34	Bacterial Interference of Ubiquitination and Deubiquitination. Cell Host and Microbe, 2007, 1, 13-22.	11.0	108
35	Growth inhibition of cytosolic Salmonella by caspase-1 and caspase-11 precedes host cell death. Nature Communications, 2016, 7, 13292.	12.8	106
36	Mutations in Salmonella Pathogenicity Island 2 (SPI2) Genes Affecting Transcription of SPI1 Genes and Resistance to Antimicrobial Agents. Journal of Bacteriology, 1998, 180, 4775-4780.	2.2	101

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37	SKIP, the Host Target of the Salmonella Virulence Factor SifA, Promotes Kinesin-1-Dependent Vacuolar Membrane Exchanges. Traffic, 2010, 11, 899-911.	2.7	99
38	The Translocated Salmonella Effector Proteins SseF and SseG Interact and Are Required To Establish an Intracellular Replication Niche. Infection and Immunity, 2006, 74, 6965-6972.	2.2	98
39	Salmonella typhimurium SifA Effector Protein Requires Its Membrane-anchoring C-terminal Hexapeptide for Its Biological Function. Journal of Biological Chemistry, 2003, 278, 14196-14202.	3.4	91
40	PLEKHM1 Regulates Salmonella-Containing Vacuole Biogenesis and Infection. Cell Host and Microbe, 2015, 17, 58-71.	11.0	89
41	The Salmonella Effector SteD Mediates MARCH8-Dependent Ubiquitination of MHC II Molecules and Inhibits T Cell Activation. Cell Host and Microbe, 2016, 20, 584-595.	11.0	88
42	Analysis of the mechanisms of Salmonella-induced actin assembly during invasion of host cells and intracellular replication. Cellular Microbiology, 2004, 6, 1041-1055.	2.1	85
43	Involvement of the intermediate filament protein cytokeratinâ€18 in actin pedestal formation during EPEC infection. EMBO Reports, 2004, 5, 104-110.	4.5	84
44	SteC is a Salmonella kinase required for SPI-2-dependent F-actin remodelling. Cellular Microbiology, 2007, 10, 070720190331003-???.	2.1	79
45	SCAMP3 is a component of theSalmonella-induced tubular network and reveals an interaction between bacterial effectors and post-Golgi trafficking. Cellular Microbiology, 2009, 11, 1236-1253.	2.1	76
46	SlyA Regulates Function of Salmonella Pathogenicity Island 2 (SPI-2) and Expression of SPI-2-Associated Genes. Infection and Immunity, 2005, 73, 4354-4362.	2.2	75
47	Molecular genetic approaches for the study of virulence in both pathogenic bacteria and fungi. Microbiology (United Kingdom), 1996, 142, 1049-1058.	1.8	74
48	Inhibition of Nuclear Transport of NF-Ä¸B p65 by the Salmonella Type III Secretion System Effector SpvD. PLoS Pathogens, 2016, 12, e1005653.	4.7	72
49	SpiC is required for secretion of Salmonella Pathogenicity Island 2 type III secretion system proteins. Cellular Microbiology, 2002, 4, 531-540.	2.1	71
50	Salmonella regulates polyubiquitination and surface expression of MHC class II antigens. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14052-14057.	7.1	71
51	The Salmonella Kinase SteC Targets the MAP Kinase MEK to Regulate the Host Actin Cytoskeleton. Cell Host and Microbe, 2012, 12, 657-668.	11.0	71
52	A multigene family related to chitin synthase genes of yeast in the opportunistic pathogen Aspergillus fumigatus. Molecular Genetics and Genomics, 1995, 246, 353-359.	2.4	70
53	Membrane dynamics and spatial distribution of Salmonella-containing vacuoles. Trends in Microbiology, 2007, 15, 516-524.	7.7	68
54	The Salmonella SPI-2 effector SseJ exhibits eukaryotic activator-dependent phospholipase A and glycerophospholipidâ€Š:â€Šcholesterol acyltransferase activity. Microbiology (United Kingdom), 2008, 154, 2680-2688.	1.8	64

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55	The SPI-2 type III secretion system restricts motility of Salmonella-containing vacuoles. Cellular Microbiology, 2007, 9, 2517-2529.	2.1	63
56	Cytosolic Replication of Group A Streptococcus in Human Macrophages. MBio, 2016, 7, e00020-16.	4.1	63
57	Polynucleotide Phosphorylase Negatively Controls spv Virulence Gene Expression in Salmonella enterica. Infection and Immunity, 2006, 74, 1243-1254.	2.2	60
58	SseK1 and SseK3 Type III Secretion System Effectors Inhibit NF-Î²B Signaling and Necroptotic Cell Death in Salmonella-Infected Macrophages. Infection and Immunity, 2017, 85, .	2.2	60
59	Elucidating population-wide mycobacterial replication dynamics at the single-cell level. Microbiology (United Kingdom), 2016, 162, 966-978.	1.8	57
60	Heterogeneity of intracellular replication of bacterial pathogens. Current Opinion in Microbiology, 2013, 16, 184-191.	5.1	56
61	Characterization of the Streptococcus pneumoniae NADH oxidase that is required for infection. Microbiology (United Kingdom), 2001, 147, 431-438.	1.8	55
62	SsaM and SpiC interact and regulate secretion of Salmonella Pathogenicity Island 2 type III secretion system effectors and translocators. Molecular Microbiology, 2004, 54, 604-619.	2.5	50
63	Salmonella Effectors SseF and SseG Interact with Mammalian Protein ACBD3 (GCP60) To Anchor Salmonella -Containing Vacuoles at the Golgi Network. MBio, 2016, 7, .	4.1	50
64	SseA is a chaperone for the SseB and SseD translocon components of the Salmonella pathogenicity-island-2-encoded type III secretion system. Microbiology (United Kingdom), 2003, 149, 1103-1111.	1.8	49
65	In Vivo Genetic Analysis Indicates That PhoP-PhoQ and the Salmonella Pathogenicity Island 2 Type III Secretion System Contribute Independently to Salmonella enterica Serovar Typhimurium Virulence. Infection and Immunity, 2001, 69, 7254-7261.	2.2	48
66	Contribution of the PhoP/Q regulon to survival and replication of Salmonella enterica serovar Typhimurium in macrophages. Microbiology (United Kingdom), 2011, 157, 2084-2093.	1.8	48
67	Persisters unmasked. Science, 2015, 347, 30-32.	12.6	45
68	Dynamin is required for F-actin assembly and pedestal formation by enteropathogenic Escherichia coli (EPEC). Cellular Microbiology, 2007, 9, 438-449.	2.1	39
69	Sequestering of Rac by the Yersinia Effector YopO Blocks FcÎ³ Receptor-mediated Phagocytosis. Journal of Biological Chemistry, 2010, 285, 4087-4098.	3.4	39
70	Global mapping of Salmonella enterica-host protein-protein interactions during infection. Cell Host and Microbe, 2021, 29, 1316-1332.e12.	11.0	39
71	Staphylococcus aureus svrA: a gene required for virulence and expression of the agr locus c cThe GenBank accession numbers for the svrA gene are SAV0334 (S. aureus subsp. aureus Mu50) and SA0323 (S. aureus subsp. aureus N315).. Microbiology (United Kingdom), 2002, 148, 3235-3243.	1.8	39
72	TheSalmonellaeffector SteA binds phosphatidylinositol 4-phosphate for subcellular targeting within host cells. Cellular Microbiology, 2016, 18, 949-969.	2.1	38

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73	Tandem Translation Generates a Chaperone for the Salmonella Type III Secretion System Protein SsaQ. Journal of Biological Chemistry, 2011, 286, 36098-36107.	3.4	37
74	Preferential invasion of mitotic cells by Salmonella reveals that cell surface cholesterol is maximal during metaphase. Journal of Cell Science, 2013, 126, 2990-6.	2.0	35
75	The Salmonella Effector SteA Contributes to the Control of Membrane Dynamics of Salmonella-Containing Vacuoles. Infection and Immunity, 2014, 82, 2923-2934.	2.2	35
76	The Salmonella Effector SpvD Is a Cysteine Hydrolase with a Serovar-specific Polymorphism Influencing Catalytic Activity, Suppression of Immune Responses, and Bacterial Virulence. Journal of Biological Chemistry, 2016, 291, 25853-25863.	3.4	35
77	Edwardsiella tarda-Induced Cytotoxicity Depends on Its Type III Secretion System and Flagellin. Infection and Immunity, 2014, 82, 3436-3445.	2.2	32
78	The Tumour Suppressor TMEM127 Is a Nedd4-Family E3 Ligase Adaptor Required by Salmonella SteD to Ubiquitinate and Degrade MHC Class II Molecules. Cell Host and Microbe, 2020, 28, 54-68.e7.	11.0	31
79	Type II Toxin-Antitoxin Systems and Persister Cells. MBio, 2018, 9, .	4.1	28
80	SsaV Interacts with SsaL to Control the Translocon-to-Effector Switch in the Salmonella SPI-2 Type Three Secretion System. MBio, 2018, 9, .	4.1	27
81	Src-dependent Tyrosine Phosphorylation of Non-muscle Myosin Heavy Chain-IIA Restricts Listeria monocytogenes Cellular Infection. Journal of Biological Chemistry, 2015, 290, 8383-8395.	3.4	22
82	Lack of Effect of the Salmonella Deubiquitinase SseL on the NF-Î²B Pathway. PLoS ONE, 2013, 8, e53064.	2.5	20
83	CD97 stabilises the immunological synapse between dendritic cells and T cells and is targeted for degradation by the Salmonella effector SteD. PLoS Pathogens, 2021, 17, e1009771.	4.7	17
84	Salmonella SPI-2 type III secretion system-dependent inhibition of antigen presentation and T cell function. Immunology Letters, 2019, 215, 35-39.	2.5	14
85	Structure of the cytoplasmic domain of SctV (SsaV) from the Salmonella SPI-2 injectisome and implications for a pH sensing mechanism. Journal of Structural Biology, 2021, 213, 107729.	2.8	13
86	Clustered Intracellular Salmonella enterica Serovar Typhimurium Blocks Host Cell Cytokinesis. Infection and Immunity, 2016, 84, 2149-2158.	2.2	12
87	SteC and the intracellular Salmonella â€induced Fâ€actin meshwork. Cellular Microbiology, 2021, 23, e13315.	2.1	8
88	SrcA is a chaperone for the Salmonella SPI-2 type three secretion system effector SteD. Microbiology (United Kingdom), 2019, 165, 15-25.	1.8	7
89	The Salmonella transmembrane effector SteD hijacks AP1-mediated vesicular trafficking for delivery to antigen-loading MHCII compartments. PLoS Pathogens, 2022, 18, e1010252.	4.7	4
90	IDENTIFICATION AND ANALYSIS OF BACTERIAL VIRULENCE GENES IN VIVO. , 2001, , .		0

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91	Editorial overview: Hostâ€“microbe interactions: bacteria. Current Opinion in Microbiology, 2015, 23, v-viii.	5.1	0
92	The new bacteriology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150507.	4.0	0
93	The Multiple Interactions between Salmonella and Phagocytes. , 0, , 379-P1.		0