# 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 | 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 |
| 2 | SteC and the intracellular Salmonella â€induced Fâ€actin meshwork. Cellular Microbiology, 2021, 23, e13315. | 2.1 | 8 |
| 3 | 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 |
| 4 | 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 |
| 5 | Global mapping of Salmonella enterica-host protein-protein interactions during infection. Cell Host and Microbe, 2021, 29, 1316-1332.e12. | 11.0 | 39 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Type II Toxin-Antitoxin Systems and Persister Cells. MBio, 2018, 9, . | 4.1 | 28 |
| 10 | 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 |
| 11 | SseK1 and SseK3 Type III Secretion System Effectors Inhibit NF-Î°B Signaling and Necroptotic Cell Death in Salmonella-Infected Macrophages. Infection and Immunity, 2017, 85, . | 2.2 | 60 |
| 12 | Salmonella SPI-2 Type III Secretion System Effectors: Molecular Mechanisms And Physiological Consequences. Cell Host and Microbe, 2017, 22, 217-231. | 11.0 | 311 |
| 13 | 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 |
| 14 | 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 |
| 15 | Cytosolic Replication of Group A Streptococcus in Human Macrophages. MBio, 2016, 7, e00020-16. | 4.1 | 63 |
| 16 | The new bacteriology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150507. | 4.0 | 0 |
| 17 | The Molecular Basis for Ubiquitin and Ubiquitin-like Specificities in Bacterial Effector Proteases. Molecular Cell, 2016, 63, 261-276. | 9.7 | 119 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Growth inhibition of cytosolic Salmonella by caspase-1 and caspase-11 precedes host cell death. Nature Communications, 2016, 7, 13292. | 12.8 | 106 |
| 20 | 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 |
| 21 | TheSalmonellaeffector SteA binds phosphatidylinositol 4-phosphate for subcellular targeting within host cells. Cellular Microbiology, 2016, 18, 949-969. | 2.1 | 38 |
| 22 | Clustered Intracellular Salmonella enterica Serovar Typhimurium Blocks Host Cell Cytokinesis. Infection and Immunity, 2016, 84, 2149-2158. | 2.2 | 12 |
| 23 | Elucidating population-wide mycobacterial replication dynamics at the single-cell level. Microbiology (United Kingdom), 2016, 162, 966-978. | 1.8 | 57 |
| 24 | Salmonella Manipulation of Host Signaling Pathways Provokes Cellular Transformation Associated with Gallbladder Carcinoma. Cell Host and Microbe, 2015, 17, 763-774. | 11.0 | 195 |
| 25 | Editorial overview: Hostâ€“microbe interactions: bacteria. Current Opinion in Microbiology, 2015, 23, v-viii. | 5.1 | 0 |
| 26 | Persisters unmasked. Science, 2015, 347, 30-32. | 12.6 | 45 |
| 27 | 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 |
| 28 | PLEKHM1 Regulates Salmonella-Containing Vacuole Biogenesis and Infection. Cell Host and Microbe, 2015, 17, 58-71. | 11.0 | 89 |
| 29 | Edwardsiella tarda-Induced Cytotoxicity Depends on Its Type III Secretion System and Flagellin. Infection and Immunity, 2014, 82, 3436-3445. | 2.2 | 32 |
| 30 | Internalization of Salmonella by Macrophages Induces Formation of Nonreplicating Persisters. Science, 2014, 343, 204-208. | 12.6 | 626 |
| 31 | 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 |
| 32 | Heterogeneity of intracellular replication of bacterial pathogens. Current Opinion in Microbiology, 2013, 16, 184-191. | 5.1 | 56 |
| 33 | 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 |
| 34 | 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 |
| 35 | Lack of Effect of the Salmonella Deubiquitinase SseL on the NF-Î°B Pathway. PLoS ONE, 2013, 8, e53064. | 2.5 | 20 |
| 36 | The Salmonella Deubiquitinase SseL Inhibits Selective Autophagy of Cytosolic Aggregates. PLoS Pathogens, 2012, 8, e1002743. | 4.7 | 145 |

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| 37 | Functions of the Salmonella pathogenicity island 2 (SPI-2) type III secretion system effectors. Microbiology (United Kingdom), 2012, 158, 1147-1161. | 1.8 | 300 |
| 38 | 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 |
| 39 | Salmonella Inhibits Retrograde Trafficking of Mannose-6-Phosphate Receptors and Lysosome Function. Science, 2012, 338, 963-967. | 12.6 | 176 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Dynamics of growth and dissemination of Salmonella in vivo. Cellular Microbiology, 2010, 12, 1389-1397. | 2.1 | 109 |
| 44 | 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 |
| 45 | Sequestering of Rac by the Yersinia Effector YopO Blocks FcÎ³ Receptor-mediated Phagocytosis. Journal of Biological Chemistry, 2010, 285, 4087-4098. | 3.4 | 39 |
| 46 | pH Sensing by Intracellular Salmonella Induces Effector Translocation. Science, 2010, 328, 1040-1043. | 12.6 | 160 |
| 47 | 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 |
| 48 | 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 |
| 49 | SpvC is a Salmonella effector with phosphothreonine lyase activity on host mitogenâ€activated protein kinases. Molecular Microbiology, 2008, 67, 1371-1383. | 2.5 | 180 |
| 50 | 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 |
| 51 | 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 |
| 52 | Membrane dynamics and spatial distribution of Salmonella-containing vacuoles. Trends in Microbiology, 2007, 15, 516-524. | 7.7 | 68 |
| 53 | Bacterial Interference of Ubiquitination and Deubiquitination. Cell Host and Microbe, 2007, 1, 13-22. | 11.0 | 108 |
| 54 | Dynamin is required for F-actin assembly and pedestal formation by enteropathogenic Escherichia coli (EPEC). Cellular Microbiology, 2007, 9, 438-449. | 2.1 | 39 |

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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 | SteC is a Salmonella kinase required for SPI-2-dependent F-actin remodelling. Cellular Microbiology, 2007, 10, 070720190331003-???. | 2.1 | 79 |
| 57 | 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 |
| 58 | Polynucleotide Phosphorylase Negatively Controls spv Virulence Gene Expression in Salmonella enterica. Infection and Immunity, 2006, 74, 1243-1254. | 2.2 | 60 |
| 59 | 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 |
| 60 | Microtubule motors control membrane dynamics of Salmonella-containing vacuoles. Journal of Cell Science, 2004, 117, 1033-1045. | 2.0 | 110 |
| 61 | 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 |
| 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 | Involvement of the intermediate filament protein cytokeratinâ€18 in actin pedestal formation during EPEC infection. EMBO Reports, 2004, 5, 104-110. | 4.5 | 84 |
| 64 | Functions and effectors of the Salmonella pathogenicity island 2 type III secretion system. Cellular Microbiology, 2003, 5, 501-511. | 2.1 | 354 |
| 65 | SseG, a virulence protein that targets Salmonella to the Golgi network. EMBO Journal, 2003, 22, 5003-5014. | 7.8 | 163 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | Trafficking of the Salmonella Vacuole in Macrophages. Traffic, 2002, 3, 161-169. | 2.7 | 132 |
| 71 | Complementary activities of SseJ and SifA regulate dynamics of the Salmonella typhimurium vacuolar membrane. Molecular Microbiology, 2002, 44, 645-661. | 2.5 | 240 |
| 72 | SpiC is required for secretion of Salmonella Pathogenicity Island 2 type III secretion system proteins. Cellular Microbiology, 2002, 4, 531-540. | 2.1 | 71 |

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| 73 | 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 |
| 74 | IDENTIFICATION AND ANALYSIS OF BACTERIAL VIRULENCE GENES IN VIVO. , 2001, , . | | 0 |
| 75 | Intracellular replication ofSalmonella typhimuriumstrains in specific subsets of splenic macrophagesinÂvivo. Cellular Microbiology, 2001, 3, 587-597. | 2.1 | 210 |
| 76 | Remodelling of the actin cytoskeleton is essential for replication of intravacuolar Salmonella. Cellular Microbiology, 2001, 3, 567-577. | 2.1 | 149 |
| 77 | A functional genomic analysis of type 3 Streptococcus pneumoniae virulence. Molecular Microbiology, 2001, 40, 555-571. | 2.5 | 259 |
| 78 | 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 |
| 79 | 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 |
| 80 | 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 |
| 81 | Characterization of the Streptococcus pneumoniae NADH oxidase that is required for infection. Microbiology (United Kingdom), 2001, 147, 431-438. | 1.8 | 55 |
| 82 | Salmonella Pathogenicity Island 2-Dependent Evasion of the Phagocyte NADPH Oxidase. Science, 2000, 287, 1655-1658. | 12.6 | 513 |
| 83 | 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 |
| 84 | In Vivo Genetic Analysis of Bacterial Virulence. Annual Review of Microbiology, 1999, 53, 129-154. | 7.3 | 189 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Molecular genetic approaches for the study of virulence in both pathogenic bacteria and fungi. Microbiology (United Kingdom), 1996, 142, 1049-1058. | 1.8 | 74 |

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| 91 | The Aspergillus fumigatus chsC and chsG genes encode Class III chitin synthases with different functions. Molecular Microbiology, 1996, 20, 667-679. | 2.5 | 141 |
| 92 | 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 |
| 93 | The Multiple Interactions between Salmonella and Phagocytes. , 0, , 379-P1. | | 0 |