

Michael T Hensel

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185
papers

12,718
citations

50
h-index

111
g-index

215
ext. papers

14,578
ext. citations

5.5
avg, IF

6.25
L-index

#	Paper	IF	Citations
185	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
184	Genes encoding putative effector proteins of the type III secretion system of Salmonella pathogenicity island 2 are required for bacterial virulence and proliferation in macrophages. <i>Molecular Microbiology</i> , 1998 , 30, 163-74	4.1	504
183	Pathogenicity islands in bacterial pathogenesis. <i>Clinical Microbiology Reviews</i> , 2004 , 17, 14-56	34	468
182	Environmental regulation of Salmonella pathogenicity island 2 gene expression. <i>Molecular Microbiology</i> , 1999 , 31, 1759-73	4.1	293
181	Hypoxia and hypoxia-inducible factor-1 alpha modulate lipopolysaccharide-induced dendritic cell activation and function. <i>Journal of Immunology</i> , 2008 , 180, 4697-705	5.3	288
180	The Salmonella pathogenicity island (SPI)-2 and SPI-1 type III secretion systems allow Salmonella serovar typhimurium to trigger colitis via MyD88-dependent and MyD88-independent mechanisms. <i>Journal of Immunology</i> , 2005 , 174, 1675-85	5.3	288
179	Salmonella pathogenicity island 2. <i>Molecular Microbiology</i> , 2000 , 36, 1015-23	4.1	266
178	Salmonella pathogenicity islands encoding type III secretion systems. <i>Microbes and Infection</i> , 2001 , 3, 549-59	9.3	264
177	Salmonella pathogenicity island 2 mediates protection of intracellular Salmonella from reactive nitrogen intermediates. <i>Journal of Experimental Medicine</i> , 2002 , 195, 1155-66	16.6	260
176	Protein secretion systems and adhesins: the molecular armory of Gram-negative pathogens. <i>International Journal of Medical Microbiology</i> , 2007 , 297, 401-15	3.7	208
175	Inducible nitric oxide synthase and control of intracellular bacterial pathogens. <i>Microbes and Infection</i> , 2003 , 5, 621-7	9.3	191
174	The genetic basis of tetrathionate respiration in Salmonella typhimurium. <i>Molecular Microbiology</i> , 1999 , 32, 275-87	4.1	191
173	Evolution of pathogenicity islands of Salmonella enterica. <i>International Journal of Medical Microbiology</i> , 2004 , 294, 95-102	3.7	176
172	pH-dependent secretion of SseB, a product of the SPI-2 type III secretion system of Salmonella typhimurium. <i>Molecular Microbiology</i> , 1999 , 33, 806-16	4.1	172
171	Functional analysis of ssaJ and the ssaK/U operon, 13 genes encoding components of the type III secretion apparatus of Salmonella Pathogenicity Island 2. <i>Molecular Microbiology</i> , 1997 , 24, 155-67	4.1	149
170	Intracellular Salmonella inhibit antigen presentation by dendritic cells. <i>Journal of Immunology</i> , 2005 , 174, 2892-9	5.3	142
169	Salmonella type III effectors PipB and PipB2 are targeted to detergent-resistant microdomains on internal host cell membranes. <i>Molecular Microbiology</i> , 2003 , 49, 685-704	4.1	127

168	Salmonella Pathogenicity Island 4 encodes a giant non-fimbrial adhesin and the cognate type 1 secretion system. <i>Cellular Microbiology</i> , 2007 , 9, 1834-50	3.9	122
167	Manipulating cellular transport and immune responses: dynamic interactions between intracellular Salmonella enterica and its host cells. <i>Cellular Microbiology</i> , 2006 , 8, 728-37	3.9	118
166	SseF and SseG are translocated effectors of the type III secretion system of Salmonella pathogenicity island 2 that modulate aggregation of endosomal compartments. <i>Cellular Microbiology</i> , 2002 , 4, 813-24	3.9	115
165	SseBCD proteins are secreted by the type III secretion system of Salmonella pathogenicity island 2 and function as a translocon. <i>Journal of Bacteriology</i> , 2001 , 183, 6036-45	3.5	115
164	Cooperation of Salmonella pathogenicity islands 1 and 4 is required to breach epithelial barriers. <i>Cellular Microbiology</i> , 2008 , 10, 2364-76	3.9	98
163	Neonatal selection by Toll-like receptor 5 influences long-term gut microbiota composition. <i>Nature</i> , 2018 , 560, 489-493	50.4	96
162	Formation of a novel surface structure encoded by Salmonella Pathogenicity Island 2. <i>EMBO Journal</i> , 2005 , 24, 2043-52	13	85
161	Mutations in Salmonella pathogenicity island 2 (SPI2) genes affecting transcription of SPI1 genes and resistance to antimicrobial agents. <i>Journal of Bacteriology</i> , 1998 , 180, 4775-80	3.5	85
160	Regulation of Salmonella pathogenicity island 2 genes by independent environmental signals. <i>International Journal of Medical Microbiology</i> , 2006 , 296, 435-47	3.7	82
159	Adhesive mechanisms of Salmonella enterica. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 715, 17-34	3.6	81
158	Effector proteins encoded by Salmonella pathogenicity island 2 interfere with the microtubule cytoskeleton after translocation into host cells. <i>Traffic</i> , 2004 , 5, 356-70	5.7	81
157	Functional dissection of SseF, a type III effector protein involved in positioning the salmonella-containing vacuole. <i>Traffic</i> , 2006 , 7, 950-65	5.7	80
156	Toll-like receptor activation and hypoxia use distinct signaling pathways to stabilize hypoxia-inducible factor 1 α (HIF1A) and result in differential HIF1A-dependent gene expression. <i>Journal of Leukocyte Biology</i> , 2011 , 90, 551-62	6.5	76
155	Molecular and functional analysis indicates a mosaic structure of Salmonella pathogenicity island 2. <i>Molecular Microbiology</i> , 1999 , 31, 489-98	4.1	75
154	Intracellular activities of Salmonella enterica in murine dendritic cells. <i>Cellular Microbiology</i> , 2003 , 5, 933-45	3.9	73
153	The yejABEF operon of Salmonella confers resistance to antimicrobial peptides and contributes to its virulence. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 666-678	2.9	72
152	SpiC is required for translocation of Salmonella pathogenicity island 2 effectors and secretion of translocon proteins SseB and SseC. <i>Journal of Bacteriology</i> , 2002 , 184, 4971-80	3.5	71
151	Functional analysis of the Salmonella pathogenicity island 2-mediated inhibition of antigen presentation in dendritic cells. <i>Infection and Immunity</i> , 2008 , 76, 4924-33	3.7	70

150	Type III secretion of <i>Salmonella enterica</i> serovar Typhimurium translocated effectors and SseFG. <i>Infection and Immunity</i> , 2002 , 70, 1403-9	3.7	70
149	Intracellular <i>Salmonella enterica</i> redirect exocytic transport processes in a <i>Salmonella</i> pathogenicity island 2-dependent manner. <i>Traffic</i> , 2006 , 7, 716-30	5.7	69
148	Rapid and highly efficient method for scarless mutagenesis within the <i>Salmonella enterica</i> chromosome. <i>PLoS ONE</i> , 2011 , 6, e15763	3.7	65
147	Enhancement of cancer vaccine therapy by systemic delivery of a tumor-targeting <i>Salmonella</i> -based STAT3 shRNA suppresses the growth of established melanoma tumors. <i>Cancer Research</i> , 2011 , 71, 4183-91	10.1	64
146	<i>Salmonella enterica</i> Remodels the Host Cell Endosomal System for Efficient Intravacuolar Nutrition. <i>Cell Host and Microbe</i> , 2017 , 21, 390-402	23.4	62
145	Dynamic remodeling of the endosomal system during formation of <i>Salmonella</i> -induced filaments by intracellular <i>Salmonella enterica</i> . <i>Traffic</i> , 2008 , 9, 2100-16	5.7	62
144	Effect of the O-antigen length of lipopolysaccharide on the functions of Type III secretion systems in <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2009 , 77, 5458-70	3.7	61
143	Self-labelling enzymes as universal tags for fluorescence microscopy, super-resolution microscopy and electron microscopy. <i>Scientific Reports</i> , 2015 , 5, 17740	4.9	60
142	Molecular genetic approaches for the study of virulence in both pathogenic bacteria and fungi. <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 5), 1049-1058	2.9	60
141	Role of neutrophils in murine salmonellosis. <i>Infection and Immunity</i> , 2004 , 72, 468-77	3.7	59
140	Novel cancer vaccine based on genes of <i>Salmonella</i> pathogenicity island 2. <i>International Journal of Cancer</i> , 2010 , 126, 2622-34	7.5	58
139	Rapid method for the construction of <i>Salmonella enterica</i> Serovar Typhimurium vaccine carrier strains. <i>Infection and Immunity</i> , 2005 , 73, 1598-605	3.7	57
138	Cloning vectors and fluorescent proteins can significantly inhibit <i>Salmonella enterica</i> virulence in both epithelial cells and macrophages: implications for bacterial pathogenesis studies. <i>Infection and Immunity</i> , 2005 , 73, 7027-31	3.7	56
137	Rational design of <i>Salmonella</i> recombinant vaccines. <i>International Journal of Medical Microbiology</i> , 2008 , 298, 87-98	3.7	53
136	Reorganization of the endosomal system in <i>Salmonella</i> -infected cells: the ultrastructure of <i>Salmonella</i> -induced tubular compartments. <i>PLoS Pathogens</i> , 2014 , 10, e1004374	7.6	51
135	Efficiency of conditionally attenuated <i>Salmonella enterica</i> serovar Typhimurium in bacterium-mediated tumor therapy. <i>MBio</i> , 2015 , 6,	7.8	50
134	Cellular aspects of immunity to intracellular <i>Salmonella enterica</i> . <i>Immunological Reviews</i> , 2011 , 240, 185-203	3.7	50
133	<i>Salmonella enterica</i> as a vaccine carrier. <i>Future Microbiology</i> , 2012 , 7, 111-27	2.9	49

132	Systematic analysis of the SsrAB virulon of <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2010 , 78, 49-58	3.7	49
131	Rapid engineering of bacterial reporter gene fusions by using Red recombination. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 4234-42	4.8	48
130	<i>Salmonella</i> pathogenicity island 4-mediated adhesion is coregulated with invasion genes in <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2007 , 75, 4697-709	3.7	48
129	Genome-based identification of chromosomal regions specific for <i>Salmonella</i> spp. <i>Infection and Immunity</i> , 2002 , 70, 2351-60	3.7	47
128	Acidic pH is required for the functional assembly of the type III secretion system encoded by <i>Salmonella</i> pathogenicity island 2. <i>FEMS Microbiology Letters</i> , 2003 , 226, 363-72	2.9	46
127	Take the tube: remodelling of the endosomal system by intracellular <i>Salmonella enterica</i> . <i>Cellular Microbiology</i> , 2015 , 17, 639-47	3.9	45
126	Effective cancer vaccine platform based on attenuated salmonella and a type III secretion system. <i>Cancer Research</i> , 2014 , 74, 6260-70	10.1	44
125	Age-dependent enterocyte invasion and microcolony formation by <i>Salmonella</i> . <i>PLoS Pathogens</i> , 2014 , 10, e1004385	7.6	44
124	Pathogenicity island 2 mutants of <i>Salmonella typhimurium</i> are efficient carriers for heterologous antigens and enable modulation of immune responses. <i>Infection and Immunity</i> , 1999 , 67, 1093-9	3.7	44
123	Purification and proteomics of pathogen-modified vacuoles and membranes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015 , 5, 48	5.9	42
122	Small interfering RNA (siRNA) delivery into murine bone marrow-derived macrophages by electroporation. <i>Journal of Immunological Methods</i> , 2010 , 353, 102-10	2.5	42
121	O-antigen delays lipopolysaccharide recognition and impairs antibacterial host defense in murine intestinal epithelial cells. <i>PLoS Pathogens</i> , 2009 , 5, e1000567	7.6	41
120	<i>Salmonella</i> pathogenicity islands in host specificity, host pathogen-interactions and antibiotics resistance of <i>Salmonella enterica</i> . <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , 2007 , 120, 317-27		41
119	<i>Salmonella enterica</i> : a surprisingly well-adapted intracellular lifestyle. <i>Frontiers in Microbiology</i> , 2012 , 3, 164	5.7	40
118	A flagellum-specific chaperone facilitates assembly of the core type III export apparatus of the bacterial flagellum. <i>PLoS Biology</i> , 2017 , 15, e2002267	9.7	39
117	Regulation of virulence genes by environmental signals in <i>Salmonella typhimurium</i> . <i>Electrophoresis</i> , 1999 , 20, 813-7	3.6	39
116	Minimal SPI1-T3SS effector requirement for <i>Salmonella</i> enterocyte invasion and intracellular proliferation in vivo. <i>PLoS Pathogens</i> , 2018 , 14, e1006925	7.6	38
115	Structural insight into the giant Ca ²⁺ -binding adhesin SiiE: implications for the adhesion of <i>Salmonella enterica</i> to polarized epithelial cells. <i>Structure</i> , 2013 , 21, 741-52	5.2	38

114	Proteomes of host cell membranes modified by intracellular activities of <i>Salmonella enterica</i> . <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 81-92	7.6	38
113	The giant adhesin SiiE of <i>Salmonella enterica</i> . <i>Molecules</i> , 2015 , 20, 1134-50	4.8	37
112	The Shiga toxin 1-converting bacteriophage BP-4795 encodes an NleA-like type III effector protein. <i>Journal of Bacteriology</i> , 2005 , 187, 8494-8	3.5	37
111	<i>Salmonella</i> pathogenicity island-2 and anticancer activity in mice. <i>Cancer Gene Therapy</i> , 2002 , 9, 813-8	5.4	37
110	Role of host cell-derived amino acids in nutrition of intracellular <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2015 , 83, 4466-75	3.7	36
109	Strain-specific differences in pili formation and the interaction of <i>Corynebacterium diphtheriae</i> with host cells. <i>BMC Microbiology</i> , 2010 , 10, 257	4.5	36
108	<i>Salmonella enterica</i> invasion of polarized epithelial cells is a highly cooperative effort. <i>Infection and Immunity</i> , 2014 , 82, 2657-67	3.7	35
107	SseF, a type III effector protein from the mammalian pathogen <i>Salmonella enterica</i> , requires resistance-gene-mediated signalling to activate cell death in the model plant <i>Nicotiana benthamiana</i> . <i>New Phytologist</i> , 2012 , 194, 1046-1060	9.8	34
106	Functional dissection of SiiE, a giant non-fimbrial adhesin of <i>Salmonella enterica</i> . <i>Cellular Microbiology</i> , 2011 , 13, 1286-301	3.9	34
105	Single molecule super-resolution imaging of proteins in living <i>Salmonella enterica</i> using self-labelling enzymes. <i>Scientific Reports</i> , 2016 , 6, 31601	4.9	34
104	Rapid oligonucleotide-based recombineering of the chromosome of <i>Salmonella enterica</i> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 1575-80	4.8	33
103	Evaluation of <i>Salmonella enterica</i> type III secretion system effector proteins as carriers for heterologous vaccine antigens. <i>Infection and Immunity</i> , 2012 , 80, 1193-202	3.7	32
102	Recombinant vaccines based on translocated effector proteins of <i>Salmonella</i> Pathogenicity Island 2. <i>Vaccine</i> , 2007 , 25, 185-93	4.1	32
101	Functional transfer of <i>Salmonella</i> pathogenicity island 2 to <i>Salmonella bongori</i> and <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2004 , 72, 2879-88	3.7	32
100	Low-oxygen tensions found in <i>Salmonella</i> -infected gut tissue boost <i>Salmonella</i> replication in macrophages by impairing antimicrobial activity and augmenting <i>Salmonella</i> virulence. <i>Cellular Microbiology</i> , 2015 , 17, 1833-47	3.9	31
99	Migration of <i>Salmonella typhimurium</i> --harboring bone marrow--derived dendritic cells towards the chemokines CCL19 and CCL21. <i>Microbial Pathogenesis</i> , 2002 , 32, 207-18	3.8	30
98	Live cell imaging reveals novel functions of <i>Salmonella enterica</i> SPI2-T3SS effector proteins in remodeling of the host cell endosomal system. <i>PLoS ONE</i> , 2014 , 9, e115423	3.7	29
97	The <i>Salmonella enterica</i> giant adhesin SiiE binds to polarized epithelial cells in a lectin-like manner. <i>Cellular Microbiology</i> , 2014 , 16, 962-75	3.9	29

96	Hypoxia-mediated impairment of the mitochondrial respiratory chain inhibits the bactericidal activity of macrophages. <i>Infection and Immunity</i> , 2012 , 80, 1455-66	3.7	29
95	Small interfering RNA (siRNA) delivery into murine bone marrow-derived dendritic cells by electroporation. <i>Journal of Immunological Methods</i> , 2008 , 337, 71-7	2.5	28
94	Interactions of Salmonella enterica with dendritic cells. <i>Virulence</i> , 2012 , 3, 660-7	4.7	27
93	Whole genome scan for habitat-specific genes by signature-tagged mutagenesis. <i>Electrophoresis</i> , 1998 , 19, 608-12	3.6	27
92	Orientation of subunit c of the ATP synthase of Escherichia coli--a study with peptide-specific antibodies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990 , 1016, 63-70	4.6	27
91	Divergent roles of Salmonella pathogenicity island 2 and metabolic traits during interaction of S. enterica serovar typhimurium with host cells. <i>PLoS ONE</i> , 2012 , 7, e33220	3.7	26
90	Evaluation of nanoparticles as endocytic tracers in cellular microbiology. <i>Nanoscale</i> , 2013 , 5, 9296-309	7.7	25
89	Functional expression of the entire adhesiome of Salmonella enterica serotype Typhimurium. <i>Scientific Reports</i> , 2017 , 7, 10326	4.9	25
88	Proteomics of intracellular Salmonella enterica reveals roles of Salmonella pathogenicity island 2 in metabolism and antioxidant defense. <i>PLoS Pathogens</i> , 2019 , 15, e1007741	7.6	24
87	Std fimbriae-fucose interaction increases Salmonella-induced intestinal inflammation and prolongs colonization. <i>PLoS Pathogens</i> , 2019 , 15, e1007915	7.6	23
86	Evaluation of an intracellular-activated promoter for the generation of live Salmonella recombinant vaccines. <i>Vaccine</i> , 2005 , 23, 2580-90	4.1	23
85	Role of Salmonella enterica lipopolysaccharide in activation of dendritic cell functions and bacterial containment. <i>Journal of Immunology</i> , 2009 , 183, 2697-707	5.3	22
84	Salmonella-how a metabolic generalist adopts an intracellular lifestyle during infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014 , 4, 191	5.9	21
83	SiiA and SiiB are novel type I secretion system subunits controlling SPI4-mediated adhesion of Salmonella enterica. <i>Cellular Microbiology</i> , 2014 , 16, 161-78	3.9	21
82	A trimeric lipoprotein assists in trimeric autotransporter biogenesis in enterobacteria. <i>Journal of Biological Chemistry</i> , 2014 , 289, 7388-98	5.4	20
81	Analyses of the evolutionary distribution of Salmonella translocated effectors. <i>Infection and Immunity</i> , 2002 , 70, 1619-22	3.7	20
80	Metabolic adaptation of intracellular bacteria and fungi to macrophages. <i>International Journal of Medical Microbiology</i> , 2018 , 308, 215-227	3.7	20
79	Efficacy of intracellular activated promoters for generation of Salmonella-based vaccines. <i>Infection and Immunity</i> , 2010 , 78, 4828-38	3.7	19

78	Impact of ROS-Induced Damage of TCA Cycle Enzymes on Metabolism and Virulence of serovar Typhimurium. <i>Frontiers in Microbiology</i> , 2019 , 10, 762	5.7	18
77	Evaluation of Salmonella live vaccines with chromosomal expression cassettes for translocated fusion proteins. <i>Vaccine</i> , 2009 , 27, 3780-7	4.1	18
76	Salmonella Typhimurium effector Ssel inhibits chemotaxis and increases host cell survival by deamidation of heterotrimeric Gi proteins. <i>PLoS Pathogens</i> , 2018 , 14, e1007248	7.6	17
75	Software LS-MIDA for efficient mass isotopomer distribution analysis in metabolic modelling. <i>BMC Bioinformatics</i> , 2013 , 14, 218	3.6	17
74	Imaging the invisible: resolving cellular microcompartments by superresolution microscopy techniques. <i>Biological Chemistry</i> , 2013 , 394, 1097-113	4.5	17
73	Functional dissection of SseF, a membrane-integral effector protein of intracellular Salmonella enterica. <i>PLoS ONE</i> , 2012 , 7, e35004	3.7	16
72	Presence of SopE and mode of infection result in increased Salmonella-containing vacuole damage and cytosolic release during host cell infection by Salmonella enterica. <i>Cellular Microbiology</i> , 2020 , 22, e13155	3.9	15
71	SotopoSa database application for facile analysis and management of mass isotopomer data. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	14
70	Construction of highly attenuated Salmonella enterica serovar Typhimurium live vectors for delivering heterologous antigens by chromosomal integration. <i>Microbiological Research</i> , 2008 , 163, 605-15	5.3	14
69	The ATP synthase (F1F0) of Streptomyces lividans: sequencing of the atp operon and phylogenetic considerations with subunit beta. <i>Gene</i> , 1995 , 152, 11-7	3.8	14
68	Structural and functional dissection reveals distinct roles of Ca ²⁺ -binding sites in the giant adhesin SiiE of Salmonella enterica. <i>PLoS Pathogens</i> , 2017 , 13, e1006418	7.6	13
67	An oral vaccine for type 1 diabetes based on live attenuated Salmonella. <i>Vaccine</i> , 2014 , 32, 2300-7	4.1	13
66	The plasmid-encoded Ipf and Klf fimbriae display different expression and varying roles in the virulence of Salmonella enterica serovar Infantis in mouse vs. avian hosts. <i>PLoS Pathogens</i> , 2017 , 13, e1006559	7.6	13
65	Functional dissection of translocon proteins of the Salmonella pathogenicity island 2-encoded type III secretion system. <i>BMC Microbiology</i> , 2010 , 10, 104	4.5	11
64	Purification and characterization of the F1 portion of the ATP synthase (F1Fo) of Streptomyces lividans. <i>FEBS Journal</i> , 1991 , 202, 1313-9		11
63	A versatile remote control system for functional expression of bacterial virulence genes based on the tetA promoter. <i>International Journal of Medical Microbiology</i> , 2019 , 309, 54-65	3.7	11
62	Self-Labeling Enzyme Tags for Analyses of Translocation of Type III Secretion System Effector Proteins. <i>MBio</i> , 2019 , 10,	7.8	10
61	Regulation of nleA in Shiga toxin-producing Escherichia coli O84:H4 strain 4795/97. <i>Journal of Bacteriology</i> , 2011 , 193, 832-41	3.5	10

60	Dynamic modification of microtubule-dependent transport by effector proteins of intracellular <i>Salmonella enterica</i> . <i>European Journal of Cell Biology</i> , 2011 , 90, 897-902	6.1	9
59	Fluorescent protein-based reporters reveal stress response of intracellular <i>Salmonella enterica</i> at level of single bacterial cells. <i>Cellular Microbiology</i> , 2021 , 23, e13293	3.9	9
58	The Crystal Structure of the C-Terminal Domain of the <i>Salmonella enterica</i> PduO Protein: An Old Fold with a New Heme-Binding Mode. <i>Frontiers in Microbiology</i> , 2016 , 7, 1010	5.7	8
57	Pathoadaptation of the passerine-associated <i>Salmonella enterica</i> serovar Typhimurium lineage to the avian host. <i>PLoS Pathogens</i> , 2021 , 17, e1009451	7.6	8
56	A gateway-based system for fast evaluation of protein-protein interactions in bacteria. <i>PLoS ONE</i> , 2015 , 10, e0123646	3.7	7
55	Genetic background and mobility of variants of the gene <i>nleA</i> in attaching and effacing <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2011 , 77, 8705-13	4.8	7
54	Proteomic approaches to <i>Salmonella</i> Pathogenicity Island 2 encoded proteins and the SsrAB regulon. <i>Proteomics</i> , 2002 , 2, 792-9	4.8	7
53	Models of intestinal infection by <i>Salmonella enterica</i> : introduction of a new neonate mouse model. <i>F1000Research</i> , 2016 , 5,	3.6	7
52	Factors Required for Adhesion of <i>Salmonella enterica</i> Serovar Typhimurium to Corn Salad (<i>Valerianella locusta</i>). <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	6
51	The ATP synthase of <i>Streptomyces lividans</i> : characterization and purification of the F1Fo complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996 , 1274, 101-108	4.6	6
50	Correlative light and scanning electron microscopy (CLSEM) for analysis of bacterial infection of polarized epithelial cells. <i>Scientific Reports</i> , 2019 , 9, 17079	4.9	6
49	Eat in or Take out? Metabolism of Intracellular <i>Salmonella enterica</i> . <i>Trends in Microbiology</i> , 2020 , 28, 644-654	12.4	5
48	Proteomic Analysis of -modified Membranes Reveals Adaptations to Macrophage Hosts. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 900-912	7.6	5
47	Genome-based identification and molecular analyses of pathogenicity islands and genomic islands in <i>Salmonella enterica</i> . <i>Methods in Molecular Biology</i> , 2007 , 394, 77-88	1.4	5
46	A trafficome-wide RNAi screen reveals deployment of early and late secretory host proteins and the entire late endo-/lysosomal vesicle fusion machinery by intracellular <i>Salmonella</i> . <i>PLoS Pathogens</i> , 2020 , 16, e1008220	7.6	5
45	Comprehensive Single Cell Analyses of the Nutritional Environment of Intracellular. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 624650	5.9	5
44	Role of the ESCRT-III complex in controlling integrity of the <i>Salmonella</i> -containing vacuole. <i>Cellular Microbiology</i> , 2020 , 22, e13176	3.9	4
43	Structural and functional characterization of SiiA, an auxiliary protein from the SPI4-encoded type 1 secretion system from <i>Salmonella enterica</i> . <i>Molecular Microbiology</i> , 2019 , 112, 1403-1422	4.1	4

42	Live cell imaging of intracellular <i>Salmonella enterica</i> . <i>Methods in Molecular Biology</i> , 2015 , 1225, 199-225	1.4	4
41	Crystallization and preliminary crystallographic analysis of an Ig-domain-encompassing fragment of the giant adhesion protein SiiE from <i>Salmonella enterica</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011 , 67, 1371-4		4
40	Red-mediated recombineering of <i>Salmonella enterica</i> genomes. <i>Methods in Molecular Biology</i> , 2015 , 1225, 63-79	1.4	4
39	Single cell analyses reveal phosphate availability as critical factor for nutrition of <i>Salmonella enterica</i> within mammalian host cells		4
38	The protected physiological state of intracellular <i>Salmonella enterica</i> persists reduces host cell-imposed stress. <i>Communications Biology</i> , 2021 , 4, 520	6.7	4
37	Expression and Functional Characterization of Various Chaperon-Usher Fimbriae, Curli Fimbriae, and Type 4 Pili of Enterohemorrhagic O157:H7 Sakai. <i>Frontiers in Microbiology</i> , 2020 , 11, 378	5.7	4
36	Ca-activated sphingomyelin scrambling and turnover mediate ESCRT-independent lysosomal repair.. <i>Nature Communications</i> , 2022 , 13, 1875	17.4	4
35	Recombinant protein production and purification of SiiD, SiiE and SiiF - Components of the SPI4-encoded type I secretion system from <i>Salmonella Typhimurium</i> . <i>Protein Expression and Purification</i> , 2020 , 172, 105632	2	3
34	Structure-based functional analysis of effector protein SifA in living cells reveals motifs important for <i>Salmonella</i> intracellular proliferation. <i>International Journal of Medical Microbiology</i> , 2018 , 308, 84-96	3.7	3
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31	Prophage Contribution to <i>Salmonella</i> Virulence and Diversity	159-192	3
30	Fluorescent protein-based reporters reveal stress response of intracellular <i>Salmonella enterica</i> on single cell level		3
29	Single cell analyses reveal distinct adaptation of typhoidal and non-typhoidal <i>Salmonella enterica</i> serovars to intracellular lifestyle. <i>PLoS Pathogens</i> , 2021 , 17, e1009319	7.6	3
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24	Metabolism of Intracellular Salmonella enterica 2016 , 37-56		1
23	Recombinant protein production and purification of SiiD, SiiE and SiiF - components of the SPI4-encoded type I secretion system from Salmonella Typhimurium		1
22	Factors required for adhesion of Salmonella enterica serovar Typhimurium to lettuce (Lactuca sativa)		1
21	Blocks in tricarboxylic acid cycle of Salmonella enterica cause global perturbation of carbon storage, motility and host-pathogen-interaction		1
20	Exposure to stressors and antimicrobials induces cell-autonomous ultrastructural heterogeneity of an intracellular bacterial pathogen		1
19	The protected physiological status of intracellular Salmonella enterica persists reduces host cell-imposed stress		1
18	Comprehensive single cell analyses of the nutritional environment of intracellular Salmonella enterica		1
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