James M Slauch

List of Publications by Year
in descending order

64 papers	4,632 citations	109264 35 h-index	123376 61 g-index
67 all docs	67 docs citations	67 times ranked	4373 citing authors

#	Article	IF	Citations
1	How does the oxidative burst of macrophages kill bacteria? Still an open question. Molecular Microbiology, 2011, 80, 580-583.	1.2	337
2	Construction of targeted single copy lac fusions using Î» Red and FLP-mediated site-specific recombination in bacteria. Gene, 2002, 290, 153-161.	1.0	291
3	Adaptation to the host environment: regulation of the SPI1 type III secretion system in Salmonella enterica serovar Typhimurium. Current Opinion in Microbiology, 2007, 10, 24-29.	2.3	249
4	HilD, HilC and RtsA constitute a feed forward loop that controls expression of the SPI1 type three secretion system regulator hilA in Salmonella enterica serovar Typhimurium. Molecular Microbiology, 2005, 57, 691-705.	1.2	218
5	The putative iron transport system SitABCD encoded on SPI1 is required for full virulence of Salmonella typhimurium. Molecular Microbiology, 2000, 35, 1146-1155.	1.2	206
6	SitABCD Is the Alkaline Mn 2+ Transporter of Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2002, 184, 3159-3166.	1.0	159
7	Heterogeneity of Vaginal Microbial Communities within Individuals. Journal of Clinical Microbiology, 2009, 47, 1181-1189.	1.8	156
8	RtsA and RtsB Coordinately Regulate Expression of the Invasion and Flagellar Genes in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2003, 185, 5096-5108.	1.0	154
9	Regulation of Salmonella enterica Serovar Typhimurium mntH Transcription by H 2 O 2 , Fe 2+ , and Mn 2+. Journal of Bacteriology, 2002, 184, 3151-3158.	1.0	139
10	Fur Regulates Expression of the Salmonella Pathogenicity Island 1 Type III Secretion System through HilD. Journal of Bacteriology, 2008, 190, 476-486.	1.0	138
11	The intestinal fatty acid propionate inhibits <scp>S</scp>almonella invasion through the postâ€translational control of <scp><scp>HilD</scp></scp>. Molecular Microbiology, 2013, 87, 1045-1060.	1.2	134
12	Tissue-Specific Gene Expression Identifies a Gene in the Lysogenic Phage Gifsy-1 That Affects Salmonella enterica Serovar Typhimurium Survival in Peyer's Patches. Journal of Bacteriology, 2000, 182, 4406-4413.	1.0	127
13	Integrating Global Regulatory Input Into theSalmonellaPathogenicity Island 1 Type III Secretion System. Genetics, 2012, 190, 79-90.	1.2	124
14	Genetic analysis of the switch that controls porin gene expression in Escherichia coli K-12. Journal of Molecular Biology, 1989, 210, 281-292.	2.0	123
15	Identification of GtgE, a Novel Virulence Factor Encoded on the Gifsy-2 Bacteriophage of Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2002, 184, 5234-5239.	1.0	94
16	FliZ Regulates Expression of theSalmonellaPathogenicity Island 1 Invasion Locus by Controlling HilD Protein Activity inSalmonella entericaSerovar Typhimurium. Journal of Bacteriology, 2010, 192, 6261-6270.	1.0	92
17	The Role of Coupled Positive Feedback in the Expression of the SPI1 Type Three Secretion System in Salmonella. PLoS Pathogens, 2010, 6, e1001025.	2.1	89
18	The Salmonella SPI1 Type Three Secretion System Responds to Periplasmic Disulfide Bond Status via the Flagellar Apparatus and the RcsCDB System. Journal of Bacteriology, 2008, 190, 87-97.	1.0	84

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19	[38] In vivo expression technology for selection of bacterial genes specifically induced in host Tissues. Methods in Enzymology, 1994, 235, 481-492.	0.4	83
20	Transcriptional Regulation of sitABCD of Salmonella enterica Serovar Typhimurium by MntR and Fur. Journal of Bacteriology, 2005, 187, 912-922.	1.0	82
21	SdiA, an N-Acylhomoserine Lactone Receptor, Becomes Active during the Transit of Salmonella enterica through the Gastrointestinal Tract of Turtles. PLoS ONE, 2008, 3, e2826.	1.1	82
22	Mutations that Affect Separate Functions of OmpR the Phosphorylated Regulator of Porin Transcription in Escherichia coli. Journal of Molecular Biology, 1993, 231, 261-273.	2.0	80
23	Role of Cross Talk in Regulating the Dynamic Expression of the FlagellarSalmonellaPathogenicity Island 1 and Type 1 Fimbrial Genes. Journal of Bacteriology, 2010, 192, 5767-5777.	1.0	80
24	Phagocytic Superoxide Specifically Damages an Extracytoplasmic Target to Inhibit or Kill Salmonella. PLoS ONE, 2009, 4, e4975.	1.1	80
25	Resolvase-In Vivo Expression Technology Analysis of the Salmonella enterica Serovar Typhimurium PhoP and PmrA Regulons in BALB/c Mice. Journal of Bacteriology, 2005, 187, 7407-7416.	1.0	76
26	Intestinal Long-Chain Fatty Acids Act as a Direct Signal To Modulate Expression of the Salmonella Pathogenicity Island 1 Type III Secretion System. MBio, 2016, 7, e02170-15.	1.8	75
27	Environment-Friendly Antibiofouling Superhydrophobic Coatings. ACS Sustainable Chemistry and Engineering, 2019, 7, 14509-14520.	3.2	75
28	Characterization of grvA , an Antivirulence Gene on the Gifsy-2 Phage in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2001, 183, 611-620.	1.0	65
29	[5] IVET and RIVET: Use of gene fusions to identify bacterial virulence factors specifically induced in host tissues. Methods in Enzymology, 2000, 326, 73-96.	0.4	62
30	Antigen-Specific Bacterial Vaccine Combined with Anti-PD-L1 Rescues Dysfunctional Endogenous T Cells to Reject Long-Established Cancer. Cancer Immunology Research, 2013, 1, 123-133.	1.6	61
31	Differences in Enzymatic Properties Allow SodCI but Not SodCII To Contribute to Virulence in Salmonella enterica Serovar Typhimurium Strain 14028. Journal of Bacteriology, 2004, 186, 5230-5238.	1.0	56
32	OmpC Is the Receptor for Gifsy-1 and Gifsy-2 Bacteriophages of Salmonella. Journal of Bacteriology, 2001, 183, 1495-1498.	1.0	50
33	Twinâ€arginine translocation system (<scp>tat</scp>) mutants of <scp>S</scp>almonella are attenuated due to envelope defects, not respiratory defects. Molecular Microbiology, 2013, 89, 887-902.	1.2	49
34	Transduction of Low-Copy Number Plasmids by Bacteriophage P22. Genetics, 1997, 146, 447-456.	1.2	44
35	RtsA Coordinately Regulates DsbA and the Salmonella Pathogenicity Island 1 Type III Secretion System. Journal of Bacteriology, 2004, 186, 68-79.	1.0	43
36	The Genus Salmonella. , 2006, , 123-158.		38

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37	Salmonella enterica Serovar Typhimurium Periplasmic Superoxide Dismutase SodCI Is a Member of the PhoPQ Regulon and Is Induced in Macrophages. Journal of Bacteriology, 2006, 188, 7853-7861.	1.0	36
38	The Small RNA PinT Contributes to PhoP-Mediated Regulation of the Salmonella Pathogenicity Island 1 Type III Secretion System in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2019, 201, .	1.0	35
39	Proteolytic inactivation of tissue factor pathway inhibitor by bacterial omptins. Blood, 2009, 113, 1139-1148.	0.6	34
40	Structural Properties of Periplasmic SodCI That Correlate with Virulence in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2007, 189, 4343-4352.	1.0	33
41	Mechanisms ofSalmonellapathogenesis in animal models. Human and Ecological Risk Assessment (HERA), 2017, 23, 1877-1892.	1.7	30
42	PhoP-Mediated Repression of the SPI1 Type 3 Secretion System in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2019, 201, .	1.0	29
43	Effect of acetylation (O-factor 5) on the polyclonal antibody response toSalmonella typhimuriumO-antigen. FEMS Immunology and Medical Microbiology, 1999, 26, 83-92.	2.7	28
44	DsbL and DsbI contribute to periplasmic disulfide bond formation in Salmonella enterica serovar Typhimurium. Microbiology (United Kingdom), 2009, 155, 4014-4024.	0.7	28
45	Protecting against Antimicrobial Effectors in the Phagosome Allows SodCII To Contribute to Virulence in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2010, 192, 2140-2149.	1.0	28
46	HilE Regulates HilD by Blocking DNA Binding in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2018, 200, .	1.0	23
47	Metal-independent variants of phosphoglycerate mutase promote resistance to nutritional immunity and retention of glycolysis during infection. PLoS Pathogens, 2019, 15, e1007971.	2.1	23
48	HilD, HilC, and RtsA Form Homodimers and Heterodimers To Regulate Expression of the Salmonella Pathogenicity Island I Type III Secretion System. Journal of Bacteriology, 2020, 202, .	1.0	23
49	Cytoplasmic Copper Detoxification in Salmonella Can Contribute to SodC Metalation but Is Dispensable during Systemic Infection. Journal of Bacteriology, 2017, 199, .	1.0	21
50	Oxygenâ€dependent regulation of SPI1 type three secretion system by small RNAs in Salmonella enterica serovar Typhimurium. Molecular Microbiology, 2019, 111, 570-587.	1.2	20
51	Periplasmic superoxide dismutase <scp>SodCI</scp> of <scp>S</scp>almonella binds peptidoglycan to remain tethered within the periplasm. Molecular Microbiology, 2015, 97, 832-843.	1.2	19
52	Phagocyte Roulette in Salmonella Killing. Cell Host and Microbe, 2014, 15, 7-8.	5.1	17
53	Either periplasmic tethering or protease resistance is sufficient to allow a SodC to protect Salmonella enterica serovar Typhimurium from phagocytic superoxide. Molecular Microbiology, 2011, 82, 952-963.	1.2	16
54	Controlled Activity of the Salmonella Invasion-Associated Injectisome Reveals Its Intracellular Role in the Cytosolic Population. MBio, 2017, 8, .	1.8	16

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55	The Porin Regulon: A Paradigm for the Two-Component Regulatory Systems. , 1996, , 383-417.		16
56	Immunomagnetic separation combined with RT-qPCR for determining the efficacy of disinfectants against human noroviruses. Journal of Infection and Public Health, 2015, 8, 145-154.	1.9	13
57	Brd4 regulates NLRC4 inflammasome activation by facilitating IRF8-mediated transcription of Naips. Journal of Cell Biology, 2021, 220, .	2.3	13
58	Long-Distance Effects of H-NS Binding in the Control of hilD Expression in the Salmonella SPI1 Locus. Journal of Bacteriology, 2021, 203, e0030821.	1.0	9
59	Envelope Stress and Regulation of the Salmonella Pathogenicity Island 1 Type III Secretion System. Journal of Bacteriology, 2020, 202, .	1.0	8
60	PaeA (YtfL) protects from cadaverine and putrescine stress in Salmonella Typhimurium and E. coli. Molecular Microbiology, 2021, 115, 1379-1394.	1.2	8
61	HilE is required for synergistic activation of SPI-1 gene expression in Salmonella enterica serovar Typhimurium. BMC Microbiology, 2021, 21, 49.	1.3	4
62	The Small RNA MicC Downregulates hilD Translation To Control the Salmonella Pathogenicity Island 1 Type III Secretion System in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2022, 204, JB0037821.	1.0	4
63	Bacterial Omptins Proteolytically Inactivate Tissue Factor Pathway Inhibitor (TFPI).. Blood, 2007, 110, 1739-1739.	0.6	2
64	Genetic Analysis of Bacterial Pathogenesis. , 0, , 1-33.		0