Steffen Porwollik

List of Publications by Year in descending order

41 papers	1,203 citations	471509 17 h-index	414414 32 g-index
42 all docs	42 docs citations	42 times ranked	1608 citing authors

#	Article	IF	Citations
1	Analysis of Pools of Targeted Salmonella Deletion Mutants Identifies Novel Genes Affecting Fitness during Competitive Infection in Mice. PLoS Pathogens, 2009, 5, e1000477.	4.7	178
2	Defined Single-Gene and Multi-Gene Deletion Mutant Collections in Salmonella enterica sv Typhimurium. PLoS ONE, 2014, 9, e99820.	2.5	140
3	Persistent Infections by NontyphoidalSalmonellain Humans: Epidemiology and Genetics. Clinical Infectious Diseases, 2016, 62, 879-886.	5.8	98
4	Salmonella Persistence in Tomatoes Requires a Distinct Set of Metabolic Functions Identified by Transposon Insertion Sequencing. Applied and Environmental Microbiology, 2017, 83, .	3.1	78
5	A macrophage-based screen identifies antibacterial compounds selective for intracellular Salmonella Typhimurium. Nature Communications, 2019, 10, 197.	12.8	59
6	The 4â€cysteine zincâ€finger motif of the <scp>RNA</scp> polymerase regulator <scp>DksA</scp> serves as a thiol switch for sensing oxidative and nitrosative stress. Molecular Microbiology, 2014, 91, 790-804.	2.5	58
7	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
8	rpoS -Regulated Core Genes Involved in the Competitive Fitness of Salmonella enterica Serovar Kentucky in the Intestines of Chickens. Applied and Environmental Microbiology, 2015, 81, 502-514.	3.1	39
9	Evolutionary Genomics of Salmonella enterica Subspecies. MBio, 2013, 4, .	4.1	38
10	Solid tumors provide niche-specific conditions that lead to preferential growth of Salmonella. Oncotarget, 2016, 7, 35169-35180.	1.8	35
11	Genetic Determinants of Salmonella enterica Serovar Typhimurium Proliferation in the Cytosol of Epithelial Cells. Infection and Immunity, 2016, 84, 3517-3526.	2.2	34
12	Genes affecting progression of bacteriophage P22 infection in Salmonella identified by transposon and single gene deletion screens. Molecular Microbiology, 2018, 108, 288-305.	2.5	28
13	Identification of a Salmonella ancillary copper detoxification mechanism by a comparative analysis of the genome-wide transcriptional response to copper and zinc excess. Microbiology (United Kingdom), 2014, 160, 1659-1669.	1.8	27
14	DksA-Dependent Transcriptional Regulation in Salmonella Experiencing Nitrosative Stress. Frontiers in Microbiology, 2016, 7, 444.	3.5	27
15	Gene Expression Response of Salmonella enterica Serotype Enteritidis Phage Type 8 to Subinhibitory Concentrations of the Plant-Derived Compounds Trans-Cinnamaldehyde and Eugenol. Frontiers in Microbiology, 2017, 8, 1828.	3.5	24
16	Zinc-dependent substrate-level phosphorylation powers Salmonella growth under nitrosative stress of the innate host response. PLoS Pathogens, 2018, 14, e1007388.	4.7	23
17	Genome-Wide Comparative Functional Analyses Reveal Adaptations of Salmonella sv. Newport to a Plant Colonization Lifestyle. Frontiers in Microbiology, 2018, 9, 877.	3.5	22
18	Discovery of Salmonella trehalose phospholipids reveals functional convergence with mycobacteria. Journal of Experimental Medicine, 2019, 216, 757-771.	8.5	20

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19	Contribution of the Cpx envelope stress system to metabolism and virulence regulation in Salmonella enterica serovar Typhimurium. PLoS ONE, 2019, 14, e0211584.	2.5	19
20	Glycolytic reprograming in Salmonella counters NOX2-mediated dissipation of Î”pH. Nature Communications, 2020, 11, 1783.	12.8	19
21	Identification of Novel Genes Mediating Survival of Salmonella on Low-Moisture Foods via Transposon Sequencing Analysis. Frontiers in Microbiology, 2020, 11, 726.	3.5	18
22	The Multidrug Efflux System AcrABZ-TolC Is Essential for Infection of Salmonella Typhimurium by the Flagellum-Dependent Bacteriophage Chi. Journal of Virology, 2021, 95, .	3.4	18
23	Interactions of Salmonella enterica Serovar Typhimurium and Pectobacterium carotovorum within a Tomato Soft Rot. Applied and Environmental Microbiology, 2018, 84, .	3.1	17
24	SpoT Induces Intracellular Salmonella Virulence Programs in the Phagosome. MBio, 2020, 11, .	4.1	17
25	Analysis of Two Complementary Single-Gene Deletion Mutant Libraries of Salmonella Typhimurium in Intraperitoneal Infection of BALB/c Mice. Frontiers in Microbiology, 2015, 6, 1455.	3.5	15
26	Contribution of Asparagine Catabolism to Salmonella Virulence. Infection and Immunity, 2017, 85, .	2.2	13
27	Novel Two-Step Hierarchical Screening of Mutant Pools Reveals Mutants under Selection in Chicks. Infection and Immunity, 2016, 84, 1226-1238.	2.2	10
28	Salmonella enterica Serovar Typhimurium 14028s Genomic Regions Required for Colonization of Lettuce Leaves. Frontiers in Microbiology, 2020, 11, 6.	3.5	9
29	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Bardo Strain CRJJGF_00099 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	7
30	Neutral barcoding of genomes reveals the dynamics of Salmonella colonization in cattle and their peripheral lymph nodes. Veterinary Microbiology, 2018, 220, 97-106.	1.9	7
31	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Orion Strain CRJJGF_00093 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	6
32	Draft Genome Sequence of Salmonella enterica subsp. diarizonae Serovar 61:k:1,5,(7) Strain CRJJGF_00165 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	4
33	Involvement of the <scp>R</scp>cs regulon in the persistence of <scp>S</scp>almonella<scp>T</scp>yphimurium in tomatoes. Environmental Microbiology Reports, 2016, 8, 928-935.	2.4	4
34	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Putten Strain CRJJGF_00159 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	4
35	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Blockley Strain CRJJGF_00147 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	4
36	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Kiambu Strain CRJJGF_00061 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	4

#	Article	IF	Citations
37	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Lille Strain CRJJGF_000101 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	4
38	Draft Genome Sequence of Salmonella enterica subsp. enterica Serovar Widemarsh Strain CRJJGF_00058 (Phylum Gammaproteobacteria). Genome Announcements, 2016, 4, .	0.8	4
39	Eradication of Intracellular Salmonella Typhimurium by Polyplexes of Acidâ€Transforming Chitosan and Fragment DNA. Macromolecular Bioscience, 2021, 21, e2000408.	4.1	4
40	Mechanisms of Salmonella Attachment and Survival on In-Shell Black Peppercorns, Almonds, and Hazelnuts. Frontiers in Microbiology, 2020, 11, 582202.	3.5	3
41	A simplified multiplex PCR-based typing method for common Salmonella enterica serovars supported by online server-based detection system. Indian Journal of Medical Research, 2017, 146, 272.	1.0	2