

Carlos A Santiviago

List of Publications by Year in descending order

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49
papers

2,041
citations

236925

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docs citations

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2389
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Pools of Targeted Salmonella Deletion Mutants Identifies Novel Genes Affecting Fitness during Competitive Infection in Mice. <i>PLoS Pathogens</i> , 2009, 5, e1000477.	4.7	178
2	Comparative genomic analysis uncovers 3 novel loci encoding type six secretion systems differentially distributed in Salmonella serotypes. <i>BMC Genomics</i> , 2009, 10, 354.	2.8	174
3	<i>Salmonella bongori</i> Provides Insights into the Evolution of the Salmonellae. <i>PLoS Pathogens</i> , 2011, 7, e1002191.	4.7	171
4	Defined Single-Gene and Multi-Gene Deletion Mutant Collections in <i>Salmonella enterica</i> sv Typhimurium. <i>PLoS ONE</i> , 2014, 9, e99820.	2.5	140
5	Differences in Gene Content between <i>Salmonella enterica</i> Serovar Enteritidis Isolates and Comparison to Closely Related Serovars Gallinarum and Dublin. <i>Journal of Bacteriology</i> , 2005, 187, 6545-6555.	2.2	105
6	Infection of Mice by <i>Salmonella enterica</i> Serovar Enteritidis Involves Additional Genes That Are Absent in the Genome of Serovar Typhimurium. <i>Infection and Immunity</i> , 2012, 80, 839-849.	2.2	81
7	Form variation of the O12 antigen is critical for persistence of <i>Salmonella</i> Typhimurium in the murine intestine. <i>Molecular Microbiology</i> , 2008, 70, 1105-1119.	2.5	80
8	The <i>Salmonella enterica</i> sv. Typhimurium <i>smvA</i> , <i>yddG</i> and <i>ompD</i> (porin) genes are required for the efficient efflux of methyl viologen. <i>Molecular Microbiology</i> , 2002, 46, 687-698.	2.5	75
9	Precise Excision of the Large Pathogenicity Island, SPI7, in <i>Salmonella enterica</i> Serovar Typhi. <i>Journal of Bacteriology</i> , 2004, 186, 3202-3213.	2.2	69
10	Contribution of the Type VI Secretion System Encoded in SPI-19 to Chicken Colonization by <i>Salmonella enterica</i> Serotypes Gallinarum and Enteritidis. <i>PLoS ONE</i> , 2010, 5, e11724.	2.5	65
11	The Type VI Secretion System Encoded in <i>Salmonella</i> Pathogenicity Island 19 Is Required for <i>Salmonella enterica</i> Serotype Gallinarum Survival within Infected Macrophages. <i>Infection and Immunity</i> , 2013, 81, 1207-1220.	2.2	61
12	Global Regulation of the <i>Salmonella enterica</i> Serovar Typhimurium Major Porin, OmpD. <i>Journal of Bacteriology</i> , 2003, 185, 5901-5905.	2.2	47
13	High-Throughput Screening for <i>Salmonella</i> Avirulent Mutants That Retain Targeting of Solid Tumors. <i>Cancer Research</i> , 2010, 70, 2165-2170.	0.9	46
14	The Type VI Secretion System Encoded in SPI-6 Plays a Role in Gastrointestinal Colonization and Systemic Spread of <i>Salmonella enterica</i> serovar Typhimurium in the Chicken. <i>PLoS ONE</i> , 2013, 8, e63917.	2.5	44
15	Only one of the two type VI secretion systems encoded in the <i>Salmonella enterica</i> serotype Dublin genome is involved in colonization of the avian and murine hosts. <i>Veterinary Research</i> , 2014, 45, 2.	3.0	41
16	Relevant Genes Linked to Virulence Are Required for <i>Salmonella</i> Typhimurium to Survive Intracellularly in the Social Amoeba <i>Dictyostelium discoideum</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1305.	3.5	40
17	Evaluating Different Virulence Traits of <i>Klebsiella pneumoniae</i> Using <i>Dictyostelium discoideum</i> and Zebrafish Larvae as Host Models. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 30.	3.9	36
18	Solid tumors provide niche-specific conditions that lead to preferential growth of <i>Salmonella</i> . <i>Oncotarget</i> , 2016, 7, 35169-35180.	1.8	35

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19	SmvA, and not AcrB, is the major efflux pump for acriflavine and related compounds in <i>Salmonella enterica</i> serovar Typhimurium. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 1273-1276.	3.0	33
20	Spontaneous Excision of the <i>Salmonella enterica</i> Serovar Enteritidis-Specific Defective Prophage-Like Element ϕ SE14. <i>Journal of Bacteriology</i> , 2010, 192, 2246-2254.	2.2	32
21	Inorganic Polyphosphate Is Essential for <i>Salmonella Typhimurium</i> Virulence and Survival in <i>Dictyostelium discoideum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 8.	3.9	32
22	Excision of an Unstable Pathogenicity Island in <i>Salmonella enterica</i> Serovar Enteritidis Is Induced during Infection of Phagocytic Cells. <i>PLoS ONE</i> , 2011, 6, e26031.	2.5	31
23	Differential roles for pathogenicity islands SPI-13 and SPI-8 in the interaction of <i>Salmonella Enteritidis</i> and <i>Salmonella Typhi</i> with murine and human macrophages. <i>Biological Research</i> , 2017, 50, 5.	3.4	31
24	A chromosomal region surrounding the <i>ompD</i> porin gene marks a genetic difference between <i>Salmonella typhi</i> and the majority of <i>Salmonella</i> serovars. <i>Microbiology (United Kingdom)</i> , 2001, 147, 1897-1907.	1.8	31
25	Novel genetic tools for studying food-borne <i>Salmonella</i> . <i>Current Opinion in Biotechnology</i> , 2009, 20, 149-157.	6.6	30
26	Abrogation of the Twin Arginine Transport System in <i>Salmonella enterica</i> Serovar Typhimurium Leads to Colonization Defects during Infection. <i>PLoS ONE</i> , 2011, 6, e15800.	2.5	30
27	SPI-9 of <i>Salmonella enterica</i> serovar Typhi is constituted by an operon positively regulated by RpoS and contributes to adherence to epithelial cells in culture. <i>Microbiology (United Kingdom)</i> , 2016, 162, 1367-1378.	1.8	28
28	Participation of the <i>Salmonella</i> OmpD Porin in the Infection of RAW264.7 Macrophages and BALB/c Mice. <i>PLoS ONE</i> , 2014, 9, e111062.	2.5	24
29	The <i>Salmonella enterica</i> Serovar Typhi <i>tsx</i> Gene, Encoding a Nucleoside-Specific Porin, Is Essential for Prototrophic Growth in the Absence of Nucleosides. <i>Infection and Immunity</i> , 2005, 73, 6210-6219.	2.2	23
30	<i>Salmonella Typhimurium</i> induces cloacitis-like symptoms in zebrafish larvae. <i>Microbial Pathogenesis</i> , 2017, 107, 317-320.	2.9	22
31	Differential Expression of In Vivo and In Vitro Protein Profile of Outer Membrane of <i>Acidovorax avenae</i> Subsp. <i>avenae</i> . <i>PLoS ONE</i> , 2012, 7, e49657.	2.5	22
32	Fnr and ArcA Regulate Lipid A Hydroxylation in <i>Salmonella Enteritidis</i> by Controlling <i>lpxO</i> Expression in Response to Oxygen Availability. <i>Frontiers in Microbiology</i> , 2018, 9, 1220.	3.5	21
33	Development of Novel EE/Alginate Polyelectrolyte Complex Nanoparticles for Lysozyme Delivery: Physicochemical Properties and In Vitro Safety. <i>Pharmaceutics</i> , 2019, 11, 103.	4.5	21
34	Live-cell imaging of <i>Salmonella Typhimurium</i> interaction with zebrafish larvae after injection and immersion delivery methods. <i>Journal of Microbiological Methods</i> , 2017, 135, 20-25.	1.6	17
35	Draft Genome Sequence of <i>Salmonella enterica</i> Serovar Typhi Strain STH2370. <i>Genome Announcements</i> , 2014, 2, .	0.8	16
36	Analysis of Two Complementary Single-Gene Deletion Mutant Libraries of <i>Salmonella Typhimurium</i> in Intra-peritoneal Infection of BALB/c Mice. <i>Frontiers in Microbiology</i> , 2015, 6, 1455.	3.5	15

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37	Insertions of Mini-Tn10 Transposon T-POP in <i>Salmonella enterica</i> sv. typhi. <i>Genetics</i> , 2004, 167, 1069-1077.	2.9	14
38	Deletion of a prophage-like element causes attenuation of <i>Salmonella enterica</i> serovar Enteritidis and promotes protective immunity. <i>Vaccine</i> , 2010, 28, 5458-5466.	3.8	14
39	Exposure to sub-inhibitory concentrations of cefotaxime enhances the systemic colonization of <i>Salmonella</i> Typhimurium in BALB/c mice. <i>Open Biology</i> , 2015, 5, 150070.	3.6	13
40	O-antigen chain-length distribution in <i>Salmonella enterica</i> serovar Enteritidis is regulated by oxygen availability. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 563-567.	2.1	11
41	Identification of Type VI Secretion Systems Effector Proteins That Contribute to Interbacterial Competition in <i>Salmonella</i> Dublin. <i>Frontiers in Microbiology</i> , 2022, 13, 811932.	3.5	9
42	<i>Salmonella typhi</i> Ty2 OmpC Porin Induces Bactericidal Activity on U937 Monocytes. <i>Microbiology and Immunology</i> , 1997, 41, 999-1003.	1.4	8
43	Contribution of the Twin-Arginine Translocation System to the Intracellular Survival of <i>Salmonella</i> Typhimurium in <i>Dictyostelium discoideum</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3001.	3.5	7
44	Bioinformatic and experimental characterization of SEN1998: a conserved gene carried by the Enterobacteriaceae-associated ROD21-like family of genomic islands. <i>Scientific Reports</i> , 2022, 12, 2435.	3.3	5
45	Mucosal immunization of BALB/c mice with DNA vaccines encoding the SEN1002 and SEN1395 open reading frames of <i>Salmonella enterica</i> serovar Enteritidis induces protective immunity. <i>Epidemiology and Infection</i> , 2016, 144, 247-256.	2.1	3
46	SopB and SifA dependent shaping of the <i>Salmonella</i> containing vacuole proteome in the social amoeba <i>Dictyostelium discoideum</i> . <i>Cellular Microbiology</i> , 2021, 23, e13263.	2.1	3
47	Static Immersion and Injection Methods for Live Cell Imaging of Foodborne Pathogen Infections in Zebrafish Larvae. <i>Methods in Molecular Biology</i> , 2019, 1918, 183-190.	0.9	2
48	Novel Template Plasmids pCya TM -Kan and pCya TM -Cam for Generation of Unmarked Chromosomal cya TM Translational Fusion to T3SS Effectors in <i>Salmonella</i> . <i>Microorganisms</i> , 2021, 9, 475.	3.6	2
49	Genomics of <i>Salmonella</i> Species. , 2011, , 171-235.		1