

Jorge E GalÃ¡n

List of Publications by Year in descending order

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109
papers

15,481
citations

22153

59
h-index

28297

105
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117
all docs

117
docs citations

117
times ranked

10565
citing authors

#	ARTICLE	IF	CITATIONS
1	Typhoid toxin sorting and exocytic transport from Salmonella Typhi-infected cells. <i>ELife</i> , 2022, 11, .	6.0	6
2	The Salmonella effector protein SopD targets Rab8 to positively and negatively modulate the inflammatory response. <i>Nature Microbiology</i> , 2021, 6, 658-671.	13.3	21
3	Salmonella Typhimurium and inflammation: a pathogen-centric affair. <i>Nature Reviews Microbiology</i> , 2021, 19, 716-725.	28.6	107
4	Cryo-EM structure of the needle filament tip complex of the <i>Salmonella</i> type III secretion injectisome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
5	Bacterial injection machines: Evolutionary diverse but functionally convergent. <i>Cellular Microbiology</i> , 2020, 22, e13157.	2.1	3
6	Generation and Characterization of Typhoid Toxin-Neutralizing Human Monoclonal Antibodies. <i>Infection and Immunity</i> , 2020, 88, .	2.2	3
7	Itaconate is an effector of a Rab GTPase cell-autonomous host defense pathway against <i>Salmonella</i> . <i>Science</i> , 2020, 369, 450-455.	12.6	87
8	Mechanisms of substrate recognition by a typhoid toxin secretion-associated muramidase. <i>ELife</i> , 2020, 9, .	6.0	14
9	Alternate subunit assembly diversifies the function of a bacterial toxin. <i>Nature Communications</i> , 2019, 10, 3684.	12.8	21
10	A polymorphic helix of a Salmonella needle protein relays signals defining distinct steps in type III secretion. <i>PLoS Biology</i> , 2019, 17, e3000351.	5.6	23
11	Investigation of the role of typhoid toxin in acute typhoid fever in a human challenge model. <i>Nature Medicine</i> , 2019, 25, 1082-1088.	30.7	33
12	<i>In Situ</i> Structures of Polar and Lateral Flagella Revealed by Cryo-Electron Tomography. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	34
13	The Injectisome, a Complex Nanomachine for Protein Injection into Mammalian Cells. <i>EcoSal Plus</i> , 2019, 8, .	5.4	44
14	Unique features in the intracellular transport of typhoid toxin revealed by a genome-wide screen. <i>PLoS Pathogens</i> , 2019, 15, e1007704.	4.7	33
15	Role of SpaO in the assembly of the sorting platform of a Salmonella type III secretion system. <i>PLoS Pathogens</i> , 2019, 15, e1007565.	4.7	32
16	The Injectisome, a Complex Nanomachine for Protein Injection into Mammalian Cells. , 2019, , 245-259.		1
17	High-resolution view of the type III secretion export apparatus in situ reveals membrane remodeling and a secretion pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24786-24795.	7.1	46
18	Protein-Injection Machines in Bacteria. <i>Cell</i> , 2018, 172, 1306-1318.	28.9	214

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19	Decoding a Salmonella Typhi Regulatory Network that Controls Typhoid Toxin Expression within Human Cells. <i>Cell Host and Microbe</i> , 2018, 23, 65-76.e6.	11.0	38
20	Taking control: Hijacking of Rab GTPases by intracellular bacterial pathogens. <i>Small GTPases</i> , 2018, 9, 182-191.	1.6	58
21	Peptidoglycan editing by a specific Id-transpeptidase controls the muramidase-dependent secretion of typhoid toxin. <i>Nature Microbiology</i> , 2018, 3, 1243-1254.	13.3	40
22	Salmonella stimulates pro-inflammatory signalling through p21-activated kinases bypassing innate immune receptors. <i>Nature Microbiology</i> , 2018, 3, 1122-1130.	13.3	35
23	A protein secreted by the Salmonella type III secretion system controls needle filament assembly. <i>ELife</i> , 2018, 7, .	6.0	26
24	Visualization of the type III secretion mediated Salmonellaâ€host cell interface using cryo-electron tomography. <i>ELife</i> , 2018, 7, .	6.0	100
25	Emerging insights into the biology of typhoid toxin. <i>Current Opinion in Microbiology</i> , 2017, 35, 70-77.	5.1	32
26	In Situ Molecular Architecture of the Salmonella Type III Secretion Machine. <i>Cell</i> , 2017, 168, 1065-1074.e10.	28.9	186
27	Visualization and characterization of individual type III protein secretion machines in live bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6098-6103.	7.1	69
28	An evaluation of purified Salmonella Typhi protein antigens for the serological diagnosis of acute typhoid fever. <i>Journal of Infection</i> , 2017, 75, 104-114.	3.3	23
29	Evolution of host adaptation in the Salmonella typhoid toxin. <i>Nature Microbiology</i> , 2017, 2, 1592-1599.	13.3	40
30	Metabolic and fitness determinants for in vitro growth and intestinal colonization of the bacterial pathogen <i>Campylobacter jejuni</i> . <i>PLoS Biology</i> , 2017, 15, e2001390.	5.6	58
31	Salmonella enterica serovar-specific transcriptional reprogramming of infected cells. <i>PLoS Pathogens</i> , 2017, 13, e1006532.	4.7	42
32	The Salmonella Effector Protein SopA Modulates Innate Immune Responses by Targeting TRIM E3 Ligase Family Members. <i>PLoS Pathogens</i> , 2016, 12, e1005552.	4.7	79
33	Typhoid toxin provides a window into typhoid fever and the biology of <i>Salmonella</i> Typhi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6338-6344.	7.1	76
34	Receptor-Mediated Sorting of Typhoid Toxin during Its Export from Salmonella Typhi-Infected Cells. <i>Cell Host and Microbe</i> , 2016, 20, 682-689.	11.0	46
35	A Bacterial Pathogen Targets a Host Rab-Family GTPase Defense Pathway with a GAP. <i>Cell Host and Microbe</i> , 2016, 19, 216-226.	11.0	110
36	Antibacterial Flavonoids from Medicinal Plants Covalently Inactivate Type III Protein Secretion Substrates. <i>Journal of the American Chemical Society</i> , 2016, 138, 2209-2218.	13.7	87

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37	Determination of the Stoichiometry of the Complete Bacterial Type III Secretion Needle Complex Using a Combined Quantitative Proteomic Approach. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1598-1609.	3.8	58
38	A Family of Salmonella Type III Secretion Effector Proteins Selectively Targets the NF- κ B Signaling Pathway to Preserve Host Homeostasis. <i>PLoS Pathogens</i> , 2016, 12, e1005484.	4.7	79
39	Structural and Functional Characterization of the Bacterial Type III Secretion Export Apparatus. <i>PLoS Pathogens</i> , 2016, 12, e1006071.	4.7	66
40	Structural Features Reminiscent of ATP-Driven Protein Translocases Are Essential for the Function of a Type III Secretion-Associated ATPase. <i>Journal of Bacteriology</i> , 2015, 197, 3007-3014.	2.2	12
41	Role of Autocleavage in the Function of a Type III Secretion Specificity Switch Protein in <i>Salmonella enterica</i> Serovar Typhimurium. <i>MBio</i> , 2015, 6, e01459-15.	4.1	40
42	The inner rod protein controls substrate switching and needle length in a <i>Salmonella</i> type III secretion system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 817-822.	7.1	43
43	Novel Components of the Flagellar System in Epsilonproteobacteria. <i>MBio</i> , 2014, 5, e01349-14.	4.1	57
44	Host Adaptation of a Bacterial Toxin from the Human Pathogen <i>Salmonella</i> Typhi. <i>Cell</i> , 2014, 159, 1290-1299.	28.9	101
45	Bacterial Type III Secretion Systems: Specialized Nanomachines for Protein Delivery into Target Cells. <i>Annual Review of Microbiology</i> , 2014, 68, 415-438.	7.3	462
46	NMR Model of PrgI-SipD Interaction and Its Implications in the Needle-Tip Assembly of the <i>Salmonella</i> Type III Secretion System. <i>Journal of Molecular Biology</i> , 2014, 426, 2958-2969.	4.2	36
47	Interaction of <i>Campylobacter jejuni</i> with Host Cells. , 2014, , 287-296.		2
48	Structural and enzymatic characterization of a host-specificity determinant from <i>Salmonella</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 384-391.	2.5	12
49	Structure and function of the <i>Salmonella</i> Typhi chimaeric A2B5 typhoid toxin. <i>Nature</i> , 2013, 499, 350-354.	27.8	201
50	A <i>Salmonella</i> Typhi homologue of bacteriophage muramidases controls typhoid toxin secretion. <i>EMBO Reports</i> , 2013, 14, 95-102.	4.5	44
51	Engineering the type III secretion system in non-replicating bacterial minicells for antigen delivery. <i>Nature Communications</i> , 2013, 4, 1590.	12.8	56
52	<i>Salmonella</i> Modulation of Host Cell Gene Expression Promotes Its Intracellular Growth. <i>PLoS Pathogens</i> , 2013, 9, e1003668.	4.7	76
53	A novel anti-microbial function for a familiar Rab GTPase. <i>Small GTPases</i> , 2013, 4, 252-254.	1.6	5
54	Quantitative Proteomics of Intracellular <i>Campylobacter jejuni</i> Reveals Metabolic Reprogramming. <i>PLoS Pathogens</i> , 2012, 8, e1002562.	4.7	60

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55	The Salmonella Type III Secretion System Inner Rod Protein PrgI Is Partially Folded. <i>Journal of Biological Chemistry</i> , 2012, 287, 25303-25311.	3.4	28
56	A Rab32-Dependent Pathway Contributes to <i>Salmonella</i> Typhi Host Restriction. <i>Science</i> , 2012, 338, 960-963.	12.6	140
57	Contribution of Amino Acid Catabolism to the Tissue Specific Persistence of <i>Campylobacter jejuni</i> in a Murine Colonization Model. <i>PLoS ONE</i> , 2012, 7, e50699.	2.5	33
58	A Sorting Platform Determines the Order of Protein Secretion in Bacterial Type III Systems. <i>Science</i> , 2011, 331, 1188-1191.	12.6	241
59	Proteolytic targeting of Rab29 by an effector protein distinguishes the intracellular compartments of human-adapted and broad-host <i>Salmonella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18418-18423.	7.1	113
60	Organization and coordinated assembly of the type III secretion export apparatus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17745-17750.	7.1	137
61	Topology and Organization of the <i>Salmonella typhimurium</i> Type III Secretion Needle Complex Components. <i>PLoS Pathogens</i> , 2010, 6, e1000824.	4.7	119
62	Identification of <i>Campylobacter jejuni</i> Genes Involved in Its Interaction with Epithelial Cells. <i>Infection and Immunity</i> , 2010, 78, 3540-3553.	2.2	90
63	A Mouse Model for the Human Pathogen <i>Salmonella Typhi</i> . <i>Cell Host and Microbe</i> , 2010, 8, 369-376.	11.0	154
64	<i>Salmonella enterica</i> Serovar Typhimurium Pathogenicity Island 1-Encoded Type III Secretion System Translocases Mediate Intimate Attachment to Nonphagocytic Cells. <i>Infection and Immunity</i> , 2009, 77, 2635-2642.	2.2	155
65	Selective Inhibition of Type III Secretion Activated Signaling by the <i>Salmonella</i> Effector AvrA. <i>PLoS Pathogens</i> , 2009, 5, e1000595.	4.7	96
66	Characterization of a <i>Campylobacter jejuni</i> VirK Protein Homolog as a Novel Virulence Determinant. <i>Infection and Immunity</i> , 2009, 77, 5428-5436.	2.2	19
67	<i>Salmonella Typhimurium</i> Type III Secretion Effectors Stimulate Innate Immune Responses in Cultured Epithelial Cells. <i>PLoS Pathogens</i> , 2009, 5, e1000538.	4.7	177
68	Common Themes in the Design and Function of Bacterial Effectors. <i>Cell Host and Microbe</i> , 2009, 5, 571-579.	11.0	281
69	Delivery of a <i>Salmonella Typhi</i> Exotoxin from a Host Intracellular Compartment. <i>Cell Host and Microbe</i> , 2008, 3, 30-38.	11.0	168
70	Metabolic Diversity in <i>Campylobacter jejuni</i> Enhances Specific Tissue Colonization. <i>Cell Host and Microbe</i> , 2008, 4, 425-433.	11.0	148
71	Modulation of the actin cytoskeleton by <i>Salmonella</i> . <i>FASEB Journal</i> , 2008, 22, 530.1.	0.5	0
72	A MyD88-Deficient Mouse Model Reveals a Role for Nramp1 in <i>Campylobacter jejuni</i> Infection. <i>Infection and Immunity</i> , 2007, 75, 1994-2003.	2.2	62

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73	SnapShot: Effector Proteins of Type III Secretion Systems. <i>Cell</i> , 2007, 130, 192.e1-192.e2.	28.9	19
74	Assembly of the inner rod determines needle length in the type III secretion injectisome. <i>Nature</i> , 2006, 441, 637-640.	27.8	176
75	Protein delivery into eukaryotic cells by type III secretion machines. <i>Nature</i> , 2006, 444, 567-573.	27.8	938
76	Role of the caspase-1 inflammasome in <i>Salmonella typhimurium</i> pathogenesis. <i>Journal of Experimental Medicine</i> , 2006, 203, 1407-1412.	8.5	345
77	Differential activation and function of Rho GTPases during <i>Salmonella</i> host cell interactions. <i>Journal of Cell Biology</i> , 2006, 175, 453-463.	5.2	250
78	Bacterial toxins and the immune system. <i>Journal of Experimental Medicine</i> , 2005, 201, 321-323.	8.5	14
79	Manipulation of the host actin cytoskeleton by <i>Salmonella</i> all in the name of entry. <i>Current Opinion in Microbiology</i> , 2005, 8, 10-15.	5.1	242
80	Structural Insights into the Assembly of the Type III Secretion Needle Complex. <i>Science</i> , 2004, 306, 1040-1042.	12.6	330
81	Genetic Analysis of the <i>Salmonella enterica</i> Type III Secretion-Associated ATPase InvC Defines Discrete Functional Domains. <i>Journal of Bacteriology</i> , 2004, 186, 2402-2412.	2.2	71
82	<i>Salmonella typhi</i> encodes a functional cytolethal distending toxin that is delivered into host cells by a bacterial-internalization pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4614-4619.	7.1	215
83	<i>Salmonella</i> Modulates Vesicular Traffic by Altering Phosphoinositide Metabolism. <i>Science</i> , 2004, 304, 1805-1807.	12.6	279
84	<i>Salmonella</i> Type III Secretion-Associated Protein InvE Controls Translocation of Effector Proteins into Host Cells. <i>Journal of Bacteriology</i> , 2002, 184, 4699-4708.	2.2	107
85	The cell biology of microbial infections. <i>Journal of Cell Biology</i> , 2002, 158, 387-388.	5.2	7
86	Cytolethal distending toxin: limited damage as a strategy to modulate cellular functions. <i>Trends in Microbiology</i> , 2002, 10, 147-152.	7.7	118
87	Molecular and functional analysis of the type III secretion signal of the <i>Salmonella enterica</i> InvJ protein. <i>Molecular Microbiology</i> , 2002, 46, 769-779.	2.5	71
88	RICK/Rip2/CARDIAK mediates signalling for receptors of the innate and adaptive immune systems. <i>Nature</i> , 2002, 416, 194-199.	27.8	827
89	<i>Salmonella</i> Interactions with Host Cells: Type III Secretion at Work. <i>Annual Review of Cell and Developmental Biology</i> , 2001, 17, 53-86.	9.4	668
90	Common and Contrasting Themes of Plant and Animal Diseases. <i>Science</i> , 2001, 292, 2285-2289.	12.6	309

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91	A Salmonella inositol polyphosphatase acts in conjunction with other bacterial effectors to promote host cell actin cytoskeleton rearrangements and bacterial internalization. <i>Molecular Microbiology</i> , 2001, 39, 248-260.	2.5	348
92	A Salmonella inositol polyphosphatase acts in conjunction with other bacterial effectors to promote host cell actin cytoskeleton rearrangements and bacterial internalization. <i>Molecular Microbiology</i> , 2001, 40, 1461-1461.	2.5	0
93	Structural mimicry in bacterial virulence. <i>Nature</i> , 2001, 412, 701-705.	27.8	287
94	Maintenance of an unfolded polypeptide by a cognate chaperone in bacterial type III secretion. <i>Nature</i> , 2001, 414, 77-81.	27.8	272
95	Biophysical characterization of SipA, an actin-binding protein from <i>Salmonella enterica</i> . <i>FEBS Letters</i> , 2000, 482, 81-84.	2.8	19
96	Requirement of p21-activated Kinase (PAK) for <i>Salmonella typhimurium</i> -induced Nuclear Responses. <i>Journal of Experimental Medicine</i> , 1999, 189, 1479-1488.	8.5	48
97	Characterization of SprA, an AraC-like transcriptional regulator encoded within the <i>Salmonella typhimurium</i> pathogenicity island 1. <i>Molecular Microbiology</i> , 1999, 33, 139-152.	2.5	61
98	A <i>Salmonella</i> protein antagonizes Rac-1 and Cdc42 to mediate host-cell recovery after bacterial invasion. <i>Nature</i> , 1999, 401, 293-297.	27.8	507
99	The <i>Salmonella typhimurium</i> tyrosine phosphatase SptP is translocated into host cells and disrupts the actin cytoskeleton. <i>Molecular Microbiology</i> , 1998, 27, 359-368.	2.5	228
100	YopJ of <i>Yersinia pseudotuberculosis</i> required for the inhibition of macrophage TNF α production and downregulation of the MAP kinases p38 and JNK. <i>Molecular Microbiology</i> , 1998, 27, 953-965.	2.5	278
101	<i>S. typhimurium</i> Encodes an Activator of Rho GTPases that Induces Membrane Ruffling and Nuclear Responses in Host Cells. <i>Cell</i> , 1998, 93, 815-826.	28.9	764
102	The invasion-associated type III system of <i>Salmonella typhimurium</i> directs the translocation of Sip proteins into the host cell. <i>Molecular Microbiology</i> , 1997, 24, 747-756.	2.5	294
103	CROSS-TALK BETWEEN BACTERIAL PATHOGENS AND THEIR HOST CELLS. <i>Annual Review of Cell and Developmental Biology</i> , 1996, 12, 221-255.	9.4	155
104	<i>Salmonella</i> spp. are cytotoxic for cultured macrophages. <i>Molecular Microbiology</i> , 1996, 21, 1101-1115.	2.5	386
105	A secreted protein tyrosine phosphatase with modular effector domains in the bacterial pathogen <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 1996, 21, 633-641.	2.5	245
106	Molecular genetic bases of <i>Salmonella</i> entry into host cells. <i>Molecular Microbiology</i> , 1996, 20, 263-271.	2.5	465
107	The <i>Salmonella typhimurium</i> invasion genes <i>invF</i> and <i>invG</i> encode homologues of the AraC and PulD family of proteins. <i>Molecular Microbiology</i> , 1994, 13, 555-568.	2.5	314
108	Cloning and molecular characterization of a gene involved in <i>Salmonella</i> adherence and invasion of cultured epithelial cells. <i>Molecular Microbiology</i> , 1993, 7, 89-98.	2.5	124

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109	Involvement of the epidermal growth factor receptor in the invasion of cultured mammalian cells by <i>Salmonella typhimurium</i> . <i>Nature</i> , 1992, 357, 588-589.	27.8	247