Francisco Garca-del Portillo

List of Publications by Citations

89 papers	3,141 citations	30 h-index	54 g-index
97 ext. papers	3,691 ext. citations	5.3 avg, IF	5.18 L-index

#	Paper	IF	Citations
89	Identification of a Salmonella virulence gene required for formation of filamentous structures containing lysosomal membrane glycoproteins within epithelial cells. *Molecular Microbiology*, **1996**, 20, 151-64	4.1	242
88	Inactivation of the srtA gene in Listeria monocytogenes inhibits anchoring of surface proteins and affects virulence. *Molecular Microbiology*, **2002**, 43, 869-81	4.1	197
87	Role of the GGDEF protein family in Salmonella cellulose biosynthesis and biofilm formation. *Molecular Microbiology*, **2004**, 54, 264-77	4.1	190
86	Gp96 is a receptor for a novel Listeria monocytogenes virulence factor, Vip, a surface protein. *EMBO Journal*, **2005**, 24, 2827-38	13	150
85	Comparison of widely used Listeria monocytogenes strains EGD, 10403S, and EGD-e highlights genomic variations underlying differences in pathogenicity. *MBio*, **2014**, 5, e00969-14	7.8	140
84	The varied lifestyles of intracellular pathogens within eukaryotic vacuolar compartments. *Trends in Microbiology*, **1995**, 3, 373-80	12.4	122
83	Toxin-antitoxins and bacterial virulence. *FEMS Microbiology Reviews*, **2016**, 40, 592-609	15.1	109
82	Regulation of capsule synthesis and cell motility in Salmonella enterica by the essential gene igaA. *Genetics*, **2002**, 162, 1513-23	4	94
81	Sortase B, a new class of sortase in Listeria monocytogenes. *Journal of Bacteriology*, **2004**, 186, 1972-82	3.5	87
80	DNA adenine methylation regulates virulence gene expression in Salmonella enterica serovar Typhimurium. *Journal of Bacteriology*, **2006**, 188, 8160-8	3.5	85
79	Distinct type I and type II toxin-antitoxin modules control Salmonella lifestyle inside eukaryotic cells. *Scientific Reports*, **2015**, 5, 9374	4.9	80
78	Repression of the RcsC-YojN-RcsB phosphorelay by the IgaA protein is a requisite for Salmonella virulence. *Molecular Microbiology*, **2004**, 53, 1437-49	4.1	77
77	Salmonella intracellular proliferation: where, when and how?. *Microbes and Infection*, **2001**, 3, 1305-11	9.3	65
76	Peptidoglycan structure of Salmonella typhimurium growing within cultured mammalian cells. *Molecular Microbiology*, **1997**, 23, 693-704	4.1	63
75	Epigenetic Control of Salmonella enterica O-Antigen Chain Length: A Tradeoff between Virulence and Bacteriophage Resistance. *PLoS Genetics*, **2015**, 11, e1005667	6	60
74	Analysis of the Listeria cell wall proteome by two-dimensional nanoliquid chromatography coupled to mass spectrometry. *Proteomics*, **2005**, 5, 433-43	4.8	60
73	Identification of substrates of the Listeria monocytogenes sortases A and B by a non-gel proteomic analysis. *Proteomics*, **2005**, 5, 4808-17	4.8	60

72	New concepts in Salmonella virulence: the importance of reducing the intracellular growth rate in the host. *Cellular Microbiology*, **2005**, 7, 901-9	3.9	57
71	Dynamics of Salmonella small RNA expression in non-growing bacteria located inside eukaryotic cells. *RNA Biology*, **2012**, 9, 469-88	4.8	55
70	Salmonella enterica serovar typhimurium invades fibroblasts by multiple routes differing from the entry into epithelial cells. *Infection and Immunity*, **2010**, 78, 2700-13	3.7	55
69	Salmonella biofilm development depends on the phosphorylation status of RcsB. *Journal of Bacteriology*, **2012**, 194, 3708-22	3.5	48
68	Modulation of horizontally acquired genes by the Hha-YdgT proteins in Salmonella enterica serovar Typhimurium. *Journal of Bacteriology*, **2008**, 190, 1152-6	3.5	48
67	Growth control in the Salmonella-containing vacuole. *Current Opinion in Microbiology*, **2008**, 11, 46-52	7.9	47
66	Role of the RecBCD recombination pathway in Salmonella virulence. *Journal of Bacteriology*, **2002**, 184, 592-5	3.5	46
65	Genome expression analysis of nonproliferating intracellular Salmonella enterica serovar Typhimurium unravels an acid pH-dependent PhoP-PhoQ response essential for dormancy. *Infection and Immunity*, **2013**, 81, 154-65	3.7	44
64	Selection of small-colony variants of Salmonella enterica serovar typhimurium in nonphagocytic eucaryotic cells. *Infection and Immunity*, **2003**, 71, 3690-8	3.7	43
63	Genome expression analyses revealing the modulation of the Salmonella Rcs regulon by the attenuator IgaA. *Journal of Bacteriology*, **2009**, 191, 1855-67	3.5	42
62	The Listeria Small RNA Rli27 Regulates a Cell Wall Protein inside Eukaryotic Cells by Targeting a Long 5ЏUTR Variant. *PLoS Genetics*, **2014**, 10, e1004765	6	37
61	Association of ActA to peptidoglycan revealed by cell wall proteomics of intracellular Listeria monocytogenes. *Journal of Biological Chemistry*, **2011**, 286, 34675-89	5.4	37
60	Protein-peptidoglycan interactions modulate the assembly of the needle complex in the Salmonella invasion-associated type III secretion system. *Molecular Microbiology*, **2003**, 48, 573-85	4.1	31
59	Populations inside Host Cells. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 432	5.9	30
58	An RpoS-dependent sRNA regulates the expression of a chaperone involved in protein folding. *Rna*, **2013**, 19, 1253-65	5.8	29
57	Non-coding RNA regulation in pathogenic bacteria located inside eukaryotic cells. *Frontiers in Cellular and Infection Microbiology*, **2014**, 4, 162	5.9	27
56	Identification of the Salmonella enterica damX gene product, an inner membrane protein involved in bile resistance. *Journal of Bacteriology*, **2010**, 192, 893-5	3.5	26
55	The GATC-binding protein SeqA is required for bile resistance and virulence in Salmonella enterica serovar typhimurium. *Journal of Bacteriology*, **2007**, 189, 8496-502	3.5	25

54	Evaluation of isotope-coded protein labeling (ICPL) in the quantitative analysis of complex proteomes. *Talanta*, **2010**, 80, 1496-502	6.2	24
53	Roles of the outer membrane protein AsmA of Salmonella enterica in the control of marRAB expression and invasion of epithelial cells. *Journal of Bacteriology*, **2009**, 191, 3615-22	3.5	24
52	The Salmonella membrane protein IgaA modulates the activity of the RcsC-YojN-RcsB and PhoP-PhoQ regulons. *Journal of Bacteriology*, **2004**, 186, 7481-9	3.5	23
51	Dormant intracellular Salmonella enterica serovar Typhimurium discriminates among Salmonella pathogenicity island 2 effectors to persist inside fibroblasts. *Infection and Immunity*, **2014**, 82, 221-32	3.7	22
50	Increased excision of the Salmonella prophage ST64B caused by a deficiency in Dam methylase. *Journal of Bacteriology*, **2005**, 187, 7901-11	3.5	21
49	Instability of the Salmonella RcsCDB signalling system in the absence of the attenuator IgaA. *Microbiology (United Kingdom)*, **2008**, 154, 1372-1383	2.9	20
48	Intracellular Salmonella induces aggrephagy of host endomembranes in persistent infections. *Autophagy*, **2016**, 12, 1886-1901	10.2	20
47	A Specialized Peptidoglycan Synthase Promotes Cell Division inside Host Cells. *MBio*, **2017**, 8,	7.8	19
46	Bile-induced peptidoglycan remodelling in Salmonella enterica. *Environmental Microbiology*, **2015**, 17, 1081-9	5.2	18
45	Stabilization of the Virulence Plasmid pSLT of Typhimurium by Three Maintenance Systems and Its Evaluation by Using a New Stability Test. *Frontiers in Molecular Biosciences*, **2016**, 3, 66	5.6	18
44	The Listeria monocytogenes sortase-B recognizes varied amino acids at position 2 of the sorting motif. *Journal of Biological Chemistry*, **2009**, 284, 6140-6	5.4	17
43	A novel peptidoglycan D,L-endopeptidase induced by Salmonella inside eukaryotic cells contributes to virulence. *Molecular Microbiology*, **2016**, 99, 546-56	4.1	16
42	The Listeria monocytogenes LPXTG surface protein Lmo1413 is an invasin with capacity to bind mucin. *International Journal of Medical Microbiology*, **2014**, 304, 393-404	3.7	15
41	Intracellular replication of attenuated Mycobacterium tuberculosis phoP mutant in the absence of host cell cytotoxicity. *Microbes and Infection*, **2009**, 11, 115-22	9.3	15
40	Mild Stress Conditions during Laboratory Culture Promote the Proliferation of Mutations That Negatively Affect Sigma B Activity in Listeria monocytogenes. *Journal of Bacteriology*, **2020**, 202,	3.5	14
39	Listeria monocytogenes encodes a functional ESX-1 secretion system whose expression is detrimental to in vivo infection. *Virulence*, **2017**, 8, 993-1004	4.7	14
38	Intracellular Lifestyles and Their Impact on Host-to-Host Transmission. *Microbiology Spectrum*, **2017**, 5,	8.9	14
37	Genome analysis of Salmonella enterica subsp. diarizonae isolates from invasive human infections reveals enrichment of virulence-related functions in lineage ST1256. *BMC Genomics*, **2019**, 20, 99	4.5	13

36	Conformational dynamism for DNA interaction in the Salmonella RcsB response regulator. *Nucleic Acids Research*, **2018**, 46, 456-472	20.1	12
35	Occurrence of mutations impairing sigma factor B (SigB) function upon inactivation of Listeria monocytogenes genes encoding surface proteins. *Microbiology (United Kingdom)*, **2013**, 159, 1328-1339	2.9	12
34	Characterization of Salmonella enterica isolates causing bacteremia in Lima, Peru, using multiple typing methods. *PLoS ONE*, **2017**, 12, e0189946	3.7	12
33	Single-cell analyses reveal an attenuated NF-B response in the Salmonella-infected fibroblast. *Virulence*, **2017**, 8, 719-740	4.7	11
32	Sigma(s)-Dependent carbon-starvation induction of pbpG (PBP 7) is required for the starvation-stress response in Salmonella enterica serovar Typhimurium. *Microbiology (United Kingdom)*, **2007**, 153, 2148-2158	2.9	11
31	Characterization of a novel intracellularly activated gene from Salmonella enterica serovar typhi. *Infection and Immunity*, **2002**, 70, 5404-11	3.7	10
30	Listeria monocytogenes remodels the cell surface in the blood-stage. *Environmental Microbiology Reports*, **2016**, 8, 641-648	3.7	10
29	Heterogeneity in tissue culture infection models: a source of novel host-pathogen interactions?. *Microbes and Infection*, **2008**, 10, 1063-6	9.3	9
28	Pathogenicity and virulence of : A trip from environmental to medical microbiology. *Virulence*, **2021** , 12, 2509-2545	4.7	8
27	Building peptidoglycan inside eukaryotic cells: A view from symbiotic and pathogenic bacteria. *Molecular Microbiology*, **2020**, 113, 613-626	4.1	7
26	HilD and PhoP independently regulate the expression of grhD1, a novel gene required for Salmonella Typhimurium invasion of host cells. *Scientific Reports*, **2018**, 8, 4841	4.9	7
25	Draft Genome Sequence of subsp. Serovar Infantis Strain SPE101, Isolated from a Chronic Human Infection. *Genome Announcements*, **2017**, 5,		7
24	Impact of osmotic stress on the phosphorylation and subcellular location of Listeria monocytogenes stressosome proteins. *Scientific Reports*, **2020**, 10, 20837	4.9	7
23	Inverse regulation in the metabolic genes pckA and metE revealed by proteomic analysis of the Salmonella RcsCDB regulon. *Journal of Proteome Research*, **2011**, 10, 3386-98	5.6	6
22	Pathogenomics: an updated European Research Agenda. *Infection, Genetics and Evolution*, **2008**, 8, 386-92	4.5	6
21	Increased bile resistance in Salmonella enterica mutants lacking Prc periplasmic protease. *International Microbiology*, **2013**, 16, 87-92	3	6
20	An alternative penicillin-binding protein involved in Salmonella relapses following ceftriaxone therapy. *EBioMedicine*, **2020**, 55, 102771	8.8	6
19	A Novel Class of Cationic and Non-Peptidic Small Molecules as Hits for the Development of Antimicrobial Agents. *Molecules*, **2018**, 23,	4.8	6

18	RNA-Seq unveils new attributes of the heterogeneous Salmonella-host cell communication. *RNA Biology*, **2017**, 14, 429-435	4.8	5
17	A Disulfide Bond in the Membrane Protein IgaA Is Essential for Repression of the RcsCDB System. *Frontiers in Microbiology*, **2017**, 8, 2605	5.7	5
16	Two distinct penicillin binding proteins promote cell division in different lifestyles. *Microbial Cell*, **2018**, 5, 165-168	3.9	5
15	Within-Host Envelope Remodelling and its Impact in Bacterial Pathogen Recognition. *Current Issues in Molecular Biology*, **2018**, 25, 43-60	2.9	4
14	requires the RsbX protein to prevent SigB-activation under non-stressed conditions. *Journal of Bacteriology*, **2021**, JB0048621	3.5	3
13	Extraction of cell wall-bound teichoic acids and surface proteins from Listeria monocytogenes. *Methods in Molecular Biology*, **2013**, 966, 289-308	1.4	3
12	Activation of the Listeria monocytogenes Stressosome in the Intracellular Eukaryotic Environment. *Applied and Environmental Microbiology*, **2021**, 87, e0039721	4.8	3
11	Structure-based analyses of Salmonella RcsB variants unravel new features of the Rcs regulon. *Nucleic Acids Research*, **2021**, 49, 2357-2374	20.1	3
10	NOD1 in the interplay between microbiota and gastrointestinal immune adaptations. *Pharmacological Research*, **2021**, 171, 105775	10.2	3
9	Acid stress signals are integrated into the B-dependent general stress response pathway via the stressosome in the food-borne pathogen Listeria monocytogenes.. *PLoS Pathogens*, **2022**, 18, e1010213	7.6	3
8	An important step in listeria lipoprotein research. *Journal of Bacteriology*, **2007**, 189, 294-7	3.5	2
7	Analysis of Salmonella invasion protein-peptidoglycan interactions. *Methods in Enzymology*, **2002**, 358, 393-409	1.7	2
6	Phase Variation in HMW1A Controls a Phenotypic Switch in Haemophilus influenzae Associated with Pathoadaptation during Persistent Infection. *MBio*, **2021**, 12, e0078921	7.8	2
5	A Novel Periplasmic Protein Controlling Cell Wall Homeostasis and Virulence. *Frontiers in Microbiology*, **2021**, 12, 633701	5.7	2
4	Ferrous Iron Uptake Is Required for Salmonella to Persist within Vacuoles of Host Cells.. *Infection and Immunity*, **2022**, e0014922	3.7	2
3	Peptidoglycan editing in non-proliferating intracellular Salmonella as source of interference with immune signaling.. *PLoS Pathogens*, **2022**, 18, e1010241	7.6	1
2	Balance between bacterial extracellular matrix production and intramacrophage proliferation by a Salmonella-specific SPI-2-encoded transcription factor. *Molecular Microbiology*, **2021**, 116, 1022-1032	4.1	1
1	Salmonella Intracellular Lifestyles and Their Impact on Host-to-Host Transmission **2019**, 95-116		0