

Josep Casadess

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

5,618
citations

43
h-index

72
g-index

137
ext. papers

6,718
ext. citations

6
avg, IF

6.14
L-index

#	Paper	IF	Citations
124	Genome-Wide Identification and Expression Analysis of SOS Response Genes in Serovar Typhimurium. <i>Cells</i> , 2021 , 10,	7.9	4
123	Waddington's Landscapes in the Bacterial World. <i>Frontiers in Microbiology</i> , 2021 , 12, 685080	5.7	2
122	Evidence for Involvement of the Z-Ring Assembly Factors ZapA and ZapB in Resistance to Bile. <i>Frontiers in Microbiology</i> , 2021 , 12, 647305	5.7	
121	Redox controls RecA protein activity via reversible oxidation of its methionine residues. <i>ELife</i> , 2021 , 10,	8.9	9
120	Single Cell Analysis of Bistable Expression of Pathogenicity Island 1 and the Flagellar Regulon in. <i>Microorganisms</i> , 2021 , 9,	4.9	3
119	Epigenetic biosensors for bacteriophage detection and phage receptor discrimination. <i>Environmental Microbiology</i> , 2020 , 22, 3126-3142	5.2	3
118	The bacterial epigenome. <i>Nature Reviews Microbiology</i> , 2020 , 18, 7-20	22.2	68
117	Contribution of DNA adenine methylation to gene expression heterogeneity in Salmonella enterica. <i>Nucleic Acids Research</i> , 2020 , 48, 11857-11867	20.1	9
116	Copy Number Heterogeneity in the Virulence Plasmid of. <i>Frontiers in Microbiology</i> , 2020 , 11, 599931	5.7	2
115	Mutational and non mutational adaptation of Salmonella enterica to the gall bladder. <i>Scientific Reports</i> , 2019 , 9, 5203	4.9	8
114	A portable epigenetic switch for bistable gene expression in bacteria. <i>Scientific Reports</i> , 2019 , 9, 11261	4.9	6
113	Regulation of bistability in the std fimbrial operon of Salmonella enterica by DNA adenine methylation and transcription factors HdfR, StdE and StdF. <i>Nucleic Acids Research</i> , 2019 , 47, 7929-7941	20.1	9
112	Std fimbriae-fucose interaction increases Salmonella-induced intestinal inflammation and prolongs colonization. <i>PLoS Pathogens</i> , 2019 , 15, e1007915	7.6	23
111	Transcriptional regulation of the fimbrial operon by the RcsCDB system. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 1245-1250	2.9	
110	Bistability and phase variation in Salmonella enterica. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019 , 1862, 752-758	6	13
109	Adaptation of Salmonella enterica to bile: essential role of AcrAB-mediated efflux. <i>Environmental Microbiology</i> , 2018 , 20, 1405-1418	5.2	13
108	Contribution of SPI-1 bistability to Salmonella enterica cooperative virulence: insights from single cell analysis. <i>Scientific Reports</i> , 2018 , 8, 14875	4.9	16

107	Formation of phenotypic lineages in <i>Salmonella enterica</i> by a pleiotropic fimbrial switch. <i>PLoS Genetics</i> , 2018 , 14, e1007677	6	11
106	The UbiK protein is an accessory factor necessary for bacterial ubiquinone (UQ) biosynthesis and forms a complex with the UQ biogenesis factor UbiJ. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11937-11950	5.4	24
105	Interactions between Bacteria and Bile Salts in the Gastrointestinal and Hepatobiliary Tracts. <i>Frontiers in Medicine</i> , 2017 , 4, 163	4.9	143
104	<i>Pseudomonas syringae</i> Differentiates into Phenotypically Distinct Subpopulations During Colonization of a Plant Host. <i>Environmental Microbiology</i> , 2016 , 18, 3593-3605	5.2	20
103	Bacterial DNA Methylation and Methylomes. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 945, 35-61	3.6	37
102	OxyR-dependent formation of DNA methylation patterns in OpvABOFF and OpvABON cell lineages of <i>Salmonella enterica</i> . <i>Nucleic Acids Research</i> , 2016 , 44, 3595-609	20.1	24
101	Formation of Bacterial Lineages in <i>Salmonella enterica</i> by Epigenetic Mechanisms. <i>Epigenetics and Human Health</i> , 2016 , 1-17		1
100	DNA methylation in bacteria: from the methyl group to the methylome. <i>Current Opinion in Microbiology</i> , 2015 , 25, 9-16	7.9	168
99	Small RNA-based feedforward loop with AND-gate logic regulates extrachromosomal DNA transfer in <i>Salmonella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4772-81	11.5	70
98	Bile-induced peptidoglycan remodelling in <i>Salmonella enterica</i> . <i>Environmental Microbiology</i> , 2015 , 17, 1081-9	5.2	18
97	Epigenetic Control of <i>Salmonella enterica</i> O-Antigen Chain Length: A Tradeoff between Virulence and Bacteriophage Resistance. <i>PLoS Genetics</i> , 2015 , 11, e1005667	6	60
96	Virulence Gene Regulation by L-Arabinose in <i>Salmonella enterica</i> . <i>Genetics</i> , 2015 , 200, 807-19	4	14
95	Contribution of phenotypic heterogeneity to adaptive antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 355-60	11.5	127
94	Dormant intracellular <i>Salmonella enterica</i> serovar Typhimurium discriminates among <i>Salmonella</i> pathogenicity island 2 effectors to persist inside fibroblasts. <i>Infection and Immunity</i> , 2014 , 82, 221-32	3.7	22
93	Regulation of <i>Salmonella enterica</i> pathogenicity island 1 (SPI-1) by the LysR-type regulator LeuO. <i>Molecular Microbiology</i> , 2014 , 91, 1057-69	4.1	26
92	A eukaryotic-like 3' untranslated region in <i>Salmonella enterica</i> hld mRNA. <i>Nucleic Acids Research</i> , 2014 , 42, 5894-906	20.1	39
91	Intestinal invasion of <i>Salmonella enterica</i> serovar Typhimurium in the avian host is dose dependent and does not depend on motility and chemotaxis. <i>Veterinary Microbiology</i> , 2013 , 165, 373-7	3.3	7
90	The role of flagella and chemotaxis genes in host pathogen interaction of the host adapted <i>Salmonella enterica</i> serovar Dublin compared to the broad host range serovar <i>S. Typhimurium</i> . <i>BMC Microbiology</i> , 2013 , 13, 67	4.5	43

89	Programmed heterogeneity: epigenetic mechanisms in bacteria. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13929-13935	5-4	157
88	Genome expression analysis of nonproliferating intracellular <i>Salmonella enterica</i> serovar Typhimurium unravels an acid pH-dependent PhoP-PhoQ response essential for dormancy. <i>Infection and Immunity</i> , 2013 , 81, 154-65	3-7	44
87	Increased bile resistance in <i>Salmonella enterica</i> mutants lacking Prc periplasmic protease. <i>International Microbiology</i> , 2013 , 16, 87-92	3	6
86	The importance of motility and chemotaxis for extra-animal survival of <i>Salmonella enterica</i> serovar Typhimurium and Dublin. <i>Journal of Applied Microbiology</i> , 2012 , 113, 560-8	4-7	8
85	LeuO is a global regulator of gene expression in <i>Salmonella enterica</i> serovar Typhimurium. <i>Molecular Microbiology</i> , 2012 , 85, 1072-89	4-1	52
84	Crosstalk between virulence loci: regulation of <i>Salmonella enterica</i> pathogenicity island 1 (SPI-1) by products of the <i>std</i> fimbrial operon. <i>PLoS ONE</i> , 2012 , 7, e30499	3-7	21
83	Adaptation and preadaptation of <i>Salmonella enterica</i> to Bile. <i>PLoS Genetics</i> , 2012 , 8, e1002459	6	87
82	STM2209-STM2208 (<i>opvAB</i>): a phase variation locus of <i>Salmonella enterica</i> involved in control of O-antigen chain length. <i>PLoS ONE</i> , 2012 , 7, e36863	3-7	36
81	Intestinal and chronic infections: <i>Salmonella</i> lifestyles in hostile environments. <i>Environmental Microbiology Reports</i> , 2011 , 3, 508-17	3-7	20
80	Virulence plasmid interchange between strains ATCC 14028, LT2, and SL1344 of <i>Salmonella enterica</i> serovar Typhimurium. <i>Plasmid</i> , 2011 , 65, 169-75	3-3	19
79	Recognition of heptameric seed sequence underlies multi-target regulation by RybB small RNA in <i>Salmonella enterica</i> . <i>Molecular Microbiology</i> , 2010 , 78, 380-94	4-1	73
78	Identification of the <i>Salmonella enterica</i> <i>damX</i> gene product, an inner membrane protein involved in bile resistance. <i>Journal of Bacteriology</i> , 2010 , 192, 893-5	3-5	26
77	Regulation of bacterial conjugation in microaerobiosis by host-encoded functions <i>ArcAB</i> and <i>sdhABCD</i> . <i>Genetics</i> , 2010 , 184, 947-58	4	23
76	Regulation of <i>Salmonella enterica</i> pathogenicity island 1 by DNA adenine methylation. <i>Genetics</i> , 2010 , 184, 637-49	4	34
75	The <i>DamX</i> protein of <i>Escherichia coli</i> and <i>Salmonella enterica</i> . <i>Gut Microbes</i> , 2010 , 1, 285-288	8-8	8
74	Roles of the outer membrane protein <i>AsmA</i> of <i>Salmonella enterica</i> in the control of <i>marRAB</i> expression and invasion of epithelial cells. <i>Journal of Bacteriology</i> , 2009 , 191, 3615-22	3-5	24
73	Regulation of <i>igaA</i> and the <i>Rcs</i> system by the <i>MviA</i> response regulator in <i>Salmonella enterica</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 2743-52	3-5	7
72	Construction of genetically defined <i>aroA</i> mutant of a native <i>E. coli</i> O78:K80 isolated from avian colibacillosis, in Iran. <i>Comparative Clinical Pathology</i> , 2009 , 18, 69-75	0-9	1

71	Roles of DNA adenine methylation in host-pathogen interactions: mismatch repair, transcriptional regulation, and more. <i>FEMS Microbiology Reviews</i> , 2009 , 33, 488-503	15.1	216
70	Clocks and switches: bacterial gene regulation by DNA adenine methylation. <i>Current Opinion in Microbiology</i> , 2008 , 11, 106-12	7.9	89
69	Regulation of the Salmonella enterica std fimbrial operon by DNA adenine methylation, SeqA, and HdfR. <i>Journal of Bacteriology</i> , 2008 , 190, 7406-13	3.5	47
68	Conjugal transfer of the Salmonella enterica virulence plasmid in the mouse intestine. <i>Journal of Bacteriology</i> , 2008 , 190, 1922-7	3.5	46
67	Insertion hot spot for horizontally acquired DNA within a bidirectional small-RNA locus in Salmonella enterica. <i>Journal of Bacteriology</i> , 2008 , 190, 4075-8	3.5	21
66	Bacterial L-forms require peptidoglycan synthesis for cell division. <i>BioEssays</i> , 2007 , 29, 1189-91	4.1	10
65	The GATC-binding protein SeqA is required for bile resistance and virulence in Salmonella enterica serovar typhimurium. <i>Journal of Bacteriology</i> , 2007 , 189, 8496-502	3.5	25
64	Rcs and PhoPQ regulatory overlap in the control of Salmonella enterica virulence. <i>Journal of Bacteriology</i> , 2007 , 189, 6635-44	3.5	49
63	YhdJ, a nonessential CcrM-like DNA methyltransferase of Escherichia coli and Salmonella enterica. <i>Journal of Bacteriology</i> , 2007 , 189, 4325-7	3.5	27
62	DNA adenine methylation regulates virulence gene expression in Salmonella enterica serovar Typhimurium. <i>Journal of Bacteriology</i> , 2006 , 188, 8160-8	3.5	85
61	Bile-induced curing of the virulence plasmid in Salmonella enterica serovar Typhimurium. <i>Journal of Bacteriology</i> , 2006 , 188, 7963-5	3.5	23
60	Repair of DNA damage induced by bile salts in Salmonella enterica. <i>Genetics</i> , 2006 , 174, 575-84	4	86
59	Epigenetic gene regulation in the bacterial world. <i>Microbiology and Molecular Biology Reviews</i> , 2006 , 70, 830-56	13.2	394
58	Loss of Hfq activates the sigmaE-dependent envelope stress response in Salmonella enterica. <i>Molecular Microbiology</i> , 2006 , 62, 838-52	4.1	115
57	N6-methyl-adenine: an epigenetic signal for DNA-protein interactions. <i>Nature Reviews Microbiology</i> , 2006 , 4, 183-92	22.2	374
56	The origin and evolution of human pathogens. <i>Molecular Microbiology</i> , 2005 , 56, 1-7	4.1	37
55	Regulation of traJ transcription in the Salmonella virulence plasmid by strand-specific DNA adenine hemimethylation. <i>Molecular Microbiology</i> , 2005 , 57, 1700-18	4.1	62
54	Virulence attenuation in Salmonella enterica rcsC mutants with constitutive activation of the Rcs system. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 579-588	2.9	45

53	Regulation of finP transcription by DNA adenine methylation in the virulence plasmid of <i>Salmonella enterica</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 5691-9	3.5	37
52	Regulation of conjugal transfer by Lrp and Dam methylation in plasmid R100. <i>International Microbiology</i> , 2005 , 8, 279-85	3	12
51	Bile-induced DNA damage in <i>Salmonella enterica</i> . <i>Genetics</i> , 2004 , 168, 1787-94	4	85
50	Repression of the RcsC-YojN-RcsB phosphorelay by the IgaA protein is a requisite for <i>Salmonella</i> virulence. <i>Molecular Microbiology</i> , 2004 , 53, 1437-49	4.1	77
49	Use of mixed infections to study cell invasion and intracellular proliferation of <i>Salmonella enterica</i> in eukaryotic cell cultures. <i>Journal of Microbiological Methods</i> , 2004 , 56, 83-91	2.8	38
48	IS200: an old and still bacterial transposon. <i>International Microbiology</i> , 2004 , 7, 3-12	3	25
47	Selection of small-colony variants of <i>Salmonella enterica</i> serovar typhimurium in nonphagocytic eucaryotic cells. <i>Infection and Immunity</i> , 2003 , 71, 3690-8	3.7	43
46	Role for <i>Salmonella enterica</i> enterobacterial common antigen in bile resistance and virulence. <i>Journal of Bacteriology</i> , 2003 , 185, 5328-32	3.5	85
45	Genetic Mapping in <i>Salmonella enterica</i> 2003 , 10-21		
44	Memory in bacteria and phage. <i>BioEssays</i> , 2002 , 24, 512-8	4.1	80
43	Conjugal transfer of the virulence plasmid of <i>Salmonella enterica</i> is regulated by the leucine-responsive regulatory protein and DNA adenine methylation. <i>Molecular Microbiology</i> , 2002 , 44, 1589-98	4.1	74
42	Role of the RecBCD recombination pathway in <i>Salmonella</i> virulence. <i>Journal of Bacteriology</i> , 2002 , 184, 592-5	3.5	46
41	Regulation of capsule synthesis and cell motility in <i>Salmonella enterica</i> by the essential gene <i>igaA</i> . <i>Genetics</i> , 2002 , 162, 1513-23	4	94
40	Envelope instability in DNA adenine methylase mutants of <i>Salmonella enterica</i> . <i>Microbiology (United Kingdom)</i> , 2002 , 148, 1171-1182	2.9	71
39	<i>Salmonella enterica</i> serovar Typhimurium response involved in attenuation of pathogen intracellular proliferation. <i>Infection and Immunity</i> , 2001 , 69, 6463-74	3.7	102
38	Genetic mapping by duplication segregation in <i>Salmonella enterica</i> . <i>Genetics</i> , 2001 , 157, 491-502	4	10
37	Host adapted serotypes of <i>Salmonella enterica</i> . <i>Epidemiology and Infection</i> , 2000 , 125, 229-55	4.3	304
36	Regulation of septation: a novel role for SerC/PdxF in <i>Salmonella</i> ?. <i>Molecular Genetics and Genomics</i> , 2000 , 264, 184-92		4

35	Repression of IS200 transposase synthesis by RNA secondary structures. <i>Nucleic Acids Research</i> , 1999 , 27, 3690-5	20.1	19
34	DNA adenine methylase mutants of <i>Salmonella typhimurium</i> show defects in protein secretion, cell invasion, and M cell cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 11578-83	11.5	177
33	Lack of hotspot targets: a constraint for IS30 transposition in <i>Salmonella</i> . <i>Gene</i> , 1999 , 238, 231-9	3.8	5
32	Synthesis of FinP RNA by plasmids F and pSLT is regulated by DNA adenine methylation. <i>Genetics</i> , 1999 , 152, 31-45	4	48
31	Underground metabolism. <i>BioEssays</i> , 1998 , 20, 181-6	4.1	106
30	The P22 Erf protein and host RecA provide alternative functions for transductional segregation of plasmid-borne duplications. <i>Molecular Genetics and Genomics</i> , 1998 , 259, 39-45		1
29	The <i>sfiX</i> , <i>rfe</i> and <i>metN</i> genes of <i>Salmonella typhimurium</i> and their involvement in the His(c) pleiotropic response. <i>Molecular Genetics and Genomics</i> , 1998 , 259, 46-53		10
28	Cell division inhibition in <i>Salmonella typhimurium</i> histidine-constitutive strains: an <i>ftsI</i> -like defect in the presence of wild-type penicillin-binding protein 3 levels. <i>Journal of Bacteriology</i> , 1998 , 180, 5231-4	3.5	11
27	Conserved structure of IS200 elements in <i>Salmonella</i> . <i>Nucleic Acids Research</i> , 1997 , 25, 1355-61	20.1	29
26	Cloning with Mud-P22 hybrid prophages: mapping of IS200 elements on the chromosome of <i>Salmonella typhimurium</i> LT2. <i>Molecular Genetics and Genomics</i> , 1997 , 256, 586-8		1
25	A possible relationship between VSP mismatch repair and gene expression level. <i>Journal of Molecular Evolution</i> , 1996 , 43, 161-3	3.1	2
24	<i>recB recJ</i> mutants of <i>Salmonella typhimurium</i> are deficient in transductional recombination, DNA repair and plasmid maintenance. <i>Molecular Genetics and Genomics</i> , 1996 , 250, 570-80		12
23	Strain typing with IS200 fingerprints in <i>Salmonella abortusovis</i> . <i>Applied and Environmental Microbiology</i> , 1996 , 62, 2375-80	4.8	20
22	DNA adenine methylase mutants of <i>Salmonella typhimurium</i> and a novel <i>dam</i> -regulated locus. <i>Genetics</i> , 1996 , 144, 15-26	4	55
21	<i>recB recJ</i> . <i>Molecular Genetics and Genomics</i> , 1996 , 250, 570		2
20	Suppression of the pleiotropic effects of HisH and HisF overproduction identifies four novel loci on the <i>Salmonella typhimurium</i> chromosome: <i>osmH</i> , <i>sfiW</i> , <i>sfiX</i> , and <i>sfiY</i> . <i>Journal of Bacteriology</i> , 1995 , 177, 4841-50	3.5	15
19	Compositional heterogeneity of the <i>Escherichia coli</i> genome: a role for VSP repair?. <i>Journal of Molecular Evolution</i> , 1994 , 39, 340-6	3.1	21
18	Changes of ploidy during the <i>Azotobacter vinelandii</i> growth cycle. <i>Journal of Bacteriology</i> , 1994 , 176, 3911-9	3.5	72

17	Host RecJ is required for growth of P22 erf bacteriophage. <i>Journal of Bacteriology</i> , 1993 , 175, 288-90	3.5	4
16	The pleiotropic effects of his overexpression in <i>Salmonella typhimurium</i> do not involve AICAR-induced mutagenesis. <i>Molecular Genetics and Genomics</i> , 1993 , 240, 360-4		9
15	The <i>Salmonella typhimurium</i> RecJ function permits growth of P22 abc phage on recBCD+ hosts. <i>Molecular Genetics and Genomics</i> , 1992 , 232, 470-8		11
14	Detection of salmonellas by DNA hybridization with a fluorescent alkaline phosphatase substrate. <i>Journal of Applied Bacteriology</i> , 1992 , 72, 393-9		23
13	IS200 is not a member of the IS600 family of insertion sequences. <i>Nucleic Acids Research</i> , 1991 , 19, 1343-4	20.1	26
12	Tn5 mutagenesis and insertion replacement in <i>Azotobacter vinelandii</i> . <i>Plasmid</i> , 1991 , 25, 76-80	3.3	11
11	sulA-independent division inhibition in his-constitutive strains of <i>Salmonella typhimurium</i> . <i>FEMS Microbiology Letters</i> , 1990 , 57, 205-10	2.9	10
10	Transcriptional occlusion of transposon targets. <i>Molecular Genetics and Genomics</i> , 1989 , 216, 204-9		29
9	Absence of insertions among spontaneous mutants of <i>Salmonella typhimurium</i> . <i>Molecular Genetics and Genomics</i> , 1989 , 216, 210-6		33
8	An Altruistic Model of the Rhizobium-Plant Association. <i>Journal of Heredity</i> , 1989 , 80, 335-337	2.4	61
7	Tn10 mutagenesis in <i>Azotobacter vinelandii</i> . <i>Molecular Genetics and Genomics</i> , 1987 , 209, 276-82		19
6	Transposition of Tn 1 to the <i>Rhizobium meliloti</i> genome. <i>Molecular Genetics and Genomics</i> , 1980 , 180, 405-10		12
5	Method for Testing Degree of Infectivity of <i>Rhizobium meliloti</i> Strains. <i>Applied and Environmental Microbiology</i> , 1980 , 39, 967-70	4.8	58
4	Rough and fine linkage mapping of the <i>Rhizobium meliloti</i> chromosome. <i>Molecular Genetics and Genomics</i> , 1979 , 174, 203-9		66
3	General transduction in <i>Rhizobium meliloti</i> by a thermosensitive mutant of bacteriophage DF2. <i>Journal of Bacteriology</i> , 1979 , 139, 316-7	3.5	12
2	Of Bacteria and Bile 153-162		
1	Covert Operations: the Adaptable Plan of Attack Deployed by Pathogenic Bacteria 185-200		