

# Claude Gutierrez

## List of Publications by Citations

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37  
papers

1,777  
citations

26  
h-index

38  
g-index

38  
ext. papers

1,958  
ext. citations

6.2  
avg, IF

4.05  
L-index

#	Paper	IF	Citations
37	RcsCDB His-Asp phosphorelay system negatively regulates the flhDC operon in Escherichia coli. <i>Molecular Microbiology</i> , <b>2003</b> , 49, 823-32	4.1	214
36	The use of transposon TnpHoA to detect genes for cell envelope proteins subject to a common regulatory stimulus. Analysis of osmotically regulated genes in Escherichia coli. <i>Journal of Molecular Biology</i> , <b>1987</b> , 195, 289-97	6.5	195
35	Acid stress response in Escherichia coli: mechanism of regulation of gadA transcription by RcsB and GadE. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 3546-54	20.1	90
34	Osmotic induction of gene osmC expression in Escherichia coli K12. <i>Journal of Molecular Biology</i> , <b>1991</b> , 220, 959-73	6.5	90
33	A plasmid facilitating in vitro construction of phoA gene fusions in Escherichia coli. <i>Nucleic Acids Research</i> , <b>1989</b> , 17, 3999	20.1	85
32	Regulation of osmC gene expression by the two-component system rcsB-rcsC in Escherichia coli. <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 5870-6	3.5	82
31	Interplay between global regulators of Escherichia coli: effect of RpoS, Lrp and H-NS on transcription of the gene osmC. <i>Molecular Microbiology</i> , <b>1998</b> , 28, 971-80	4.1	75
30	DNA supercoiling contributes to disconnect sigmaS accumulation from sigmaS-dependent transcription in Escherichia coli. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 561-71	4.1	70
29	Role of DNA supercoiling and rpoS sigma factor in the osmotic and growth phase-dependent induction of the gene osmE of Escherichia coli K12. <i>Journal of Molecular Biology</i> , <b>1997</b> , 273, 75-83	6.5	67
28	Analysis and DNA sequence of the osmoregulated treA gene encoding the periplasmic trehalase of Escherichia coli K12. <i>Molecular Genetics and Genomics</i> , <b>1989</b> , 217, 347-54		63
27	Physiology of the osmotic stress response in microorganisms. <i>International Journal of Food Microbiology</i> , <b>1995</b> , 28, 233-44	5.8	62
26	The glutamate-dependent acid resistance system in Escherichia coli: essential and dual role of the His-Asp phosphorelay RcsCDB/AF. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 238-46	2.9	52
25	Involvement of differential efficiency of transcription by esigmas and esigma70 RNA polymerase holoenzymes in growth phase regulation of the Escherichia coli osmE promoter. <i>Molecular Microbiology</i> , <b>2000</b> , 35, 845-53	4.1	46
24	Growth-phase-dependent expression of the osmotically inducible gene osmC of Escherichia coli K-12. <i>Molecular Microbiology</i> , <b>1996</b> , 19, 729-36	4.1	44
23	The RcsCB His-Asp phosphorelay system is essential to overcome chlorpromazine-induced stress in Escherichia coli. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 2850-3	3.5	43
22	Survival of Escherichia coli during long-term starvation: effects of aeration, NaCl, and the rpoS and osmC gene products. <i>Research in Microbiology</i> , <b>2001</b> , 152, 17-26	4	42
21	An NAD Phosphorylase Toxin Triggers Mycobacterium tuberculosis Cell Death. <i>Molecular Cell</i> , <b>2019</b> , 73, 1282-1291.e8	17.6	37

20	Osmotic regulation of the Escherichia coli bdm (biofilm-dependent modulation) gene by the RcsCDB His-Asp phosphorelay. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 3873-7	3.5	36
19	Osmoregulation in Lactococcus lactis: BusR, a transcriptional repressor of the glycine betaine uptake system BusA. <i>Molecular Microbiology</i> , <b>2003</b> , 47, 1135-47	4.1	34
18	NhaR and RcsB independently regulate the osmCp1 promoter of Escherichia coli at overlapping regulatory sites. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 4298-304	3.5	34
17	Multistress regulation in Escherichia coli: expression of osmB involves two independent promoters responding either to sigmaS or to the RcsCDB His-Asp phosphorelay. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 3282-6	3.5	34
16	SpxA1, a novel transcriptional regulator involved in X-state (competence) development in Streptococcus pneumoniae. <i>Molecular Microbiology</i> , <b>2009</b> , 73, 492-506	4.1	33
15	Effects of access to preen gland secretions on mallard plumage. <i>Die Naturwissenschaften</i> , <b>2010</b> , 97, 577-81		30
14	Osmotic regulation of transcription in Lactococcus lactis: ionic strength-dependent binding of the BusR repressor to the busA promoter. <i>FEBS Letters</i> , <b>2007</b> , 581, 3387-90	3.8	26
13	Sigma(s)-dependent regulation of yehZYXW, which encodes a putative osmoprotectant ABC transporter of Escherichia coli. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 236, 221-6	2.9	26
12	Characterization of the osmotically inducible gene osmE of Escherichia coli K-12. <i>Molecular Microbiology</i> , <b>1995</b> , 16, 553-63	4.1	26
11	Insights into the extracytoplasmic stress response of Xanthomonas campestris pv. campestris: role and regulation of {sigma}E-dependent activity. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 246-64	3.5	21
10	$\sigma$ S-Dependent regulation of yehZYXW, which encodes a putative osmoprotectant ABC transporter of Escherichia coli. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 236, 221-226	2.9	21
9	Point mutations that reduce the expression of malPQ, a positively controlled operon of Escherichia coli. <i>Journal of Molecular Biology</i> , <b>1984</b> , 177, 69-86	6.5	20
8	Interactions between the 2.4 and 4.2 regions of sigmaS, the stress-specific sigma factor of Escherichia coli, and the -10 and -35 promoter elements. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 45-53	20.1	18
7	The transcriptional activator NhaR is responsible for the osmotic induction of osmC(p1), a promoter of the stress-inducible gene osmC in Escherichia coli. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 2795-2803	2.9	16
6	A nucleotidyltransferase toxin inhibits growth of through inactivation of tRNA acceptor stems. <i>Science Advances</i> , <b>2020</b> , 6, eabb6651	14.3	16
5	Lysine represses transcription of the Escherichia coli dapB gene by preventing its activation by the ArgP activator. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 5224-9	3.5	14
4	La réponse au stress osmotique des bactéries lactiques Lactococcus lactis et Lactobacillus plantarum (mini-revue). <i>Dairy Science and Technology</i> , <b>2001</b> , 81, 49-55		11
3	Multi-Stress Induction of the MbcTA Bactericidal Toxin-Antitoxin System. <i>Toxins</i> , <b>2020</b> , 12,	4.9	3

- 2 An improved Xer-cise technology for the generation of multiple unmarked mutants in Mycobacteria. *BioTechniques*, **2020**, 68, 106-110 2.5 1
- 1 Moonlighting activity of the epigenetic machinery restrains infection. *EMBO Journal*, **2018**, 37, 161-163 13