

Claude Gutierrez

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

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	Multi-Stress Induction of the MbcTA Bactericidal Toxin-Antitoxin System. <i>Toxins</i> , 2020 , 12,	4.9	3
36	An improved Xer-cise technology for the generation of multiple unmarked mutants in Mycobacteria. <i>BioTechniques</i> , 2020 , 68, 106-110	2.5	1
35	A nucleotidyltransferase toxin inhibits growth of through inactivation of tRNA acceptor stems. <i>Science Advances</i> , 2020 , 6, eabb6651	14.3	16
34	An NAD Phosphorylase Toxin Triggers Mycobacterium tuberculosis Cell Death. <i>Molecular Cell</i> , 2019 , 73, 1282-1291.e8	17.6	37
33	Moonlighting activity of the epigenetic machinery restrains infection. <i>EMBO Journal</i> , 2018 , 37, 161-163	13	
32	Insights into the extracytoplasmic stress response of Xanthomonas campestris pv. campestris: role and regulation of {sigma}E-dependent activity. <i>Journal of Bacteriology</i> , 2011 , 193, 246-64	3.5	21
31	Acid stress response in Escherichia coli: mechanism of regulation of gadA transcription by RcsB and GadE. <i>Nucleic Acids Research</i> , 2010 , 38, 3546-54	20.1	90
30	Effects of access to preen gland secretions on mallard plumage. <i>Die Naturwissenschaften</i> , 2010 , 97, 577-81		30
29	SpxA1, a novel transcriptional regulator involved in X-state (competence) development in Streptococcus pneumoniae. <i>Molecular Microbiology</i> , 2009 , 73, 492-506	4.1	33
28	Lysine represses transcription of the Escherichia coli dapB gene by preventing its activation by the ArgP activator. <i>Journal of Bacteriology</i> , 2008 , 190, 5224-9	3.5	14
27	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> , 2007 , 153, 238-46	2.9	52
26	Osmotic regulation of transcription in Lactococcus lactis: ionic strength-dependent binding of the BusR repressor to the busA promoter. <i>FEBS Letters</i> , 2007 , 581, 3387-90	3.8	26
25	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> , 2005 , 187, 3282-6	3.5	34
24	Osmotic regulation of the Escherichia coli bdm (biofilm-dependent modulation) gene by the RcsCDB His-Asp phosphorelay. <i>Journal of Bacteriology</i> , 2005 , 187, 3873-7	3.5	36
23	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> , 2004 , 32, 45-53	20.1	18
22	Os-Dependent regulation of yehZYXW, which encodes a putative osmoprotectant ABC transporter of Escherichia coli. <i>FEMS Microbiology Letters</i> , 2004 , 236, 221-226	2.9	21
21	Sigma(s)-dependent regulation of yehZYXW, which encodes a putative osmoprotectant ABC transporter of Escherichia coli. <i>FEMS Microbiology Letters</i> , 2004 , 236, 221-6	2.9	26

20	RcsCDB His-Asp phosphorelay system negatively regulates the flhDC operon in Escherichia coli. <i>Molecular Microbiology</i> , 2003 , 49, 823-32	4.1	214
19	Osmoregulation in Lactococcus lactis: BusR, a transcriptional repressor of the glycine betaine uptake system BusA. <i>Molecular Microbiology</i> , 2003 , 47, 1135-47	4.1	34
18	DNA supercoiling contributes to disconnect sigmaS accumulation from sigmaS-dependent transcription in Escherichia coli. <i>Molecular Microbiology</i> , 2003 , 48, 561-71	4.1	70
17	NhaR and RcsB independently regulate the osmCp1 promoter of Escherichia coli at overlapping regulatory sites. <i>Journal of Bacteriology</i> , 2003 , 185, 4298-304	3.5	34
16	The RcsCB His-Asp phosphorelay system is essential to overcome chlorpromazine-induced stress in Escherichia coli. <i>Journal of Bacteriology</i> , 2002 , 184, 2850-3	3.5	43
15	Regulation of osmC gene expression by the two-component system rcsB-rcsC in Escherichia coli. <i>Journal of Bacteriology</i> , 2001 , 183, 5870-6	3.5	82
14	Survival of Escherichia coli during long-term starvation: effects of aeration, NaCl, and the rpoS and osmC gene products. <i>Research in Microbiology</i> , 2001 , 152, 17-26	4	42
13	La réponse au stress osmotique des bactéries lactiques Lactococcus lactis et Lactobacillus plantarum (mini-revue). <i>Dairy Science and Technology</i> , 2001 , 81, 49-55		11
12	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> , 2001 , 147, 2795-2803	3.9	16
11	Involvement of differential efficiency of transcription by esigas and esigma70 RNA polymerase holoenzymes in growth phase regulation of the Escherichia coli osmE promoter. <i>Molecular Microbiology</i> , 2000 , 35, 845-53	4.1	46
10	Interplay between global regulators of Escherichia coli: effect of RpoS, Lrp and H-NS on transcription of the gene osmC. <i>Molecular Microbiology</i> , 1998 , 28, 971-80	4.1	75
9	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> , 1997 , 273, 75-83	6.5	67
8	Growth-phase-dependent expression of the osmotically inducible gene osmC of Escherichia coli K-12. <i>Molecular Microbiology</i> , 1996 , 19, 729-36	4.1	44
7	Characterization of the osmotically inducible gene osmE of Escherichia coli K-12. <i>Molecular Microbiology</i> , 1995 , 16, 553-63	4.1	26
6	Physiology of the osmotic stress response in microorganisms. <i>International Journal of Food Microbiology</i> , 1995 , 28, 233-44	5.8	62
5	Osmotic induction of gene osmC expression in Escherichia coli K12. <i>Journal of Molecular Biology</i> , 1991 , 220, 959-73	6.5	90
4	A plasmid facilitating in vitro construction of phoA gene fusions in Escherichia coli. <i>Nucleic Acids Research</i> , 1989 , 17, 3999	20.1	85
3	Analysis and DNA sequence of the osmoregulated treA gene encoding the periplasmic trehalase of Escherichia coli K12. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 347-54		63

- 2 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. *Journal of Molecular Biology*, **1987**, 195, 289-97 6.5 195
- 1 Point mutations that reduce the expression of malPQ, a positively controlled operon of Escherichia coli. *Journal of Molecular Biology*, **1984**, 177, 69-86 6.5 20