

Mara-Trinidad Mt Gallegos

List of Publications by Citations

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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.

53

papers

3,681

citations

27

h-index

54

g-index

54

ext. papers

4,132

ext. citations

6.1

avg, IF

4.6

L-index

#	Paper	IF	Citations
53	The TetR family of transcriptional repressors. <i>Microbiology and Molecular Biology Reviews</i> , 2005 , 69, 326-562	5.2	781
52	Mechanisms of solvent tolerance in gram-negative bacteria. <i>Annual Review of Microbiology</i> , 2002 , 56, 743-68	17.5	649
51	The bacterial enhancer-dependent sigma(54) (sigma(N)) transcription factor. <i>Journal of Bacteriology</i> , 2000 , 182, 4129-36	3.5	356
50	Responses of Gram-negative bacteria to certain environmental stressors. <i>Current Opinion in Microbiology</i> , 2001 , 4, 166-71	7.9	168
49	The XylS/AraC family of regulators. <i>Nucleic Acids Research</i> , 1993 , 21, 807-10	20.1	152
48	Antibiotic-dependent induction of <i>Pseudomonas putida</i> DOT-T1E TtgABC efflux pump is mediated by the drug binding repressor TtgR. <i>Antimicrobial Agents and Chemotherapy</i> , 2003 , 47, 3067-72	5.9	114
47	Binding of transcriptional activators to sigma 54 in the presence of the transition state analog ADP-aluminum fluoride: insights into activator mechanochemical action. <i>Genes and Development</i> , 2001 , 15, 2282-94	12.6	111
46	Crystal structures of multidrug binding protein TtgR in complex with antibiotics and plant antimicrobials. <i>Journal of Molecular Biology</i> , 2007 , 369, 829-40	6.5	102
45	In vivo and in vitro evidence that TtgV is the specific regulator of the TtgGHI multidrug and solvent efflux pump of <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 4755-63	3.5	77
44	The XylS-dependent Pm promoter is transcribed in vivo by RNA polymerase with sigma 32 or sigma 38 depending on the growth phase. <i>Molecular Microbiology</i> , 1999 , 31, 1105-13	4.1	73
43	Effector-repressor interactions, binding of a single effector molecule to the operator-bound TtgR homodimer mediates derepression. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7102-9	5.4	70
42	The multidrug efflux regulator TtgV recognizes a wide range of structurally different effectors in solution and complexed with target DNA: evidence from isothermal titration calorimetry. <i>Journal of Biological Chemistry</i> , 2005 , 280, 20887-93	5.4	65
41	Amino-terminal sequences of sigmaN (sigma54) inhibit RNA polymerase isomerization. <i>Genes and Development</i> , 1999 , 13, 357-70	12.6	65
40	Expression of the TOL plasmid xylS gene in <i>Pseudomonas putida</i> occurs from a alpha 70-dependent promoter or from alpha 70- and alpha 54-dependent tandem promoters according to the compound used for growth. <i>Journal of Bacteriology</i> , 1996 , 178, 2356-61	3.5	53
39	Plant flavonoids target <i>Pseudomonas syringae</i> pv. tomato DC3000 flagella and type III secretion system. <i>Environmental Microbiology Reports</i> , 2013 , 5, 841-50	3.7	49
38	Novel mixed-linkage Eglucan activated by c-di-GMP in <i>Sinorhizobium meliloti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E757-65	11.5	48
37	Responses to elevated c-di-GMP levels in mutualistic and pathogenic plant-interacting bacteria. <i>PLoS ONE</i> , 2014 , 9, e91645	3.7	48

36	Critical nucleotides in the upstream region of the XylS-dependent TOL meta-cleavage pathway operon promoter as deduced from analysis of mutants. <i>Journal of Biological Chemistry</i> , 1999 , 274, 2286-90	5.4	48
35	Sequences in sigmaN determining holoenzyme formation and properties. <i>Journal of Molecular Biology</i> , 1999 , 288, 539-53	6.5	47
34	Induction of <i>Pseudomonas syringae</i> pv. tomato DC3000 MexAB-OprM multidrug efflux pump by flavonoids is mediated by the repressor PmeR. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 1207-19	3.6	42
33	TtgV bound to a complex operator site represses transcription of the promoter for the multidrug and solvent extrusion TtgGHI pump. <i>Journal of Bacteriology</i> , 2004 , 186, 2921-7	3.5	41
32	Role of sigma S in transcription from the positively controlled Pm promoter of the TOL plasmid of <i>Pseudomonas putida</i> . <i>Molecular Microbiology</i> , 1995 , 18, 851-7	4.1	39
31	Optimization of the palindromic order of the TtgR operator enhances binding cooperativity. <i>Journal of Molecular Biology</i> , 2007 , 369, 1188-99	6.5	33
30	The TACAN4TGCA motif upstream from the -35 region in the sigma70-sigmaS-dependent Pm promoter of the TOL plasmid is the minimum DNA segment required for transcription stimulation by XylS regulators. <i>Journal of Bacteriology</i> , 1996 , 178, 6427-34	3.5	33
29	Systematic analysis of sigma54 N-terminal sequences identifies regions involved in positive and negative regulation of transcription. <i>Journal of Molecular Biology</i> , 1999 , 292, 229-39	6.5	32
28	Complexity in efflux pump control: cross-regulation by the paralogues TtgV and TtgT. <i>Molecular Microbiology</i> , 2007 , 66, 1416-28	4.1	29
27	Crystal structure of TtgV in complex with its DNA operator reveals a general model for cooperative DNA binding of tetrameric gene regulators. <i>Genes and Development</i> , 2010 , 24, 2556-65	12.6	28
26	Functions of the sigma(54) region I in trans and implications for transcription activation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25285-90	5.4	27
25	Different modes of binding of mono- and biaromatic effectors to the transcriptional regulator TTGV: role in differential derepression from its cognate operator. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16308-16	5.4	25
24	FleQ coordinates flagellum-dependent and -independent motilities in <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 7533-45	4.8	24
23	Molecular characterization of resistance-nodulation-division transporters from solvent- and drug-resistant bacteria in petroleum-contaminated soil. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 580-6	4.8	24
22	AmrZ regulates cellulose production in <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>Molecular Microbiology</i> , 2016 , 99, 960-77	4.1	24
21	Sequences in sigma(54) region I required for binding to early melted DNA and their involvement in sigma-DNA isomerisation. <i>Journal of Molecular Biology</i> , 2000 , 297, 849-59	6.5	23
20	Transcriptional control of the multiple catabolic pathways encoded on the TOL plasmid pWW53 of <i>Pseudomonas putida</i> MT53. <i>Journal of Bacteriology</i> , 1997 , 179, 5024-9	3.5	21
19	The c-di-GMP phosphodiesterase BifA is involved in the virulence of bacteria from the <i>Pseudomonas syringae</i> complex. <i>Molecular Plant Pathology</i> , 2015 , 16, 604-15	5.7	19

18	TtgV represses two different promoters by recognizing different sequences. <i>Journal of Bacteriology</i> , 2009 , 191, 1901-9	3.5	17
17	Contribution of the non-effector members of the HrpL regulon, <i>iaaL</i> and <i>matE</i> , to the virulence of <i>Pseudomonas syringae</i> pv. tomato DC3000 in tomato plants. <i>BMC Microbiology</i> , 2015 , 15, 165	4.5	16
16	Suppression of UV-B stress induced flavonoids by biotic stress: Is there reciprocal crosstalk?. <i>Plant Physiology and Biochemistry</i> , 2019 , 134, 53-63	5.4	15
15	Involvement of the sigmaN DNA-binding domain in open complex formation. <i>Molecular Microbiology</i> , 1999 , 33, 873-85	4.1	15
14	Functionality of purified sigma(N) (sigma(54)) and a NifA-like protein from the hyperthermophile <i>Aquifex aeolicus</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 1616-23	3.5	14
13	Diguanylate cyclase DgcP is involved in plant and human <i>Pseudomonas</i> spp. infections. <i>Environmental Microbiology</i> , 2015 , 17, 4332-51	5.2	12
12	A novel c-di-GMP binding domain in glycosyltransferase BgsA is responsible for the synthesis of a mixed-linkage Eglucan. <i>Scientific Reports</i> , 2017 , 7, 8997	4.9	9
11	Mini-Tn7 vectors for stable expression of diguanylate cyclase PleD* in Gram-negative bacteria. <i>BMC Microbiology</i> , 2015 , 15, 190	4.5	8
10	Visualization and characterization of <i>Pseudomonas syringae</i> pv. tomato DC3000 pellicles. <i>Microbial Biotechnology</i> , 2019 , 12, 688-702	6.3	7
9	Interaction of sigma factor σ^N with <i>Escherichia coli</i> RNA polymerase core enzyme. <i>Biochemical Journal</i> , 2000 , 352, 539-547	3.8	7
8	Enzymatic Activation of the cis-trans Isomerase and Transcriptional Regulation of Efflux Pumps in Solvent Tolerance in <i>Pseudomonas Putida</i> 2004 , 479-508		6
7	Pathogenic and mutualistic plant-bacteria interactions: ever increasing similarities. <i>Open Life Sciences</i> , 2011 , 6, 911-917	1.2	5
6	Interaction of sigma factor σ^N with <i>Escherichia coli</i> RNA polymerase core enzyme. <i>Biochemical Journal</i> , 2000 , 352, 539	3.8	3
5	Single amino acid substitution mutants of <i>Klebsiella pneumoniae</i> sigma(54) defective in transcription. <i>Nucleic Acids Research</i> , 2000 , 28, 4419-27	20.1	2
4	Exploring the expression and functionality of the sRNAs in pv. tomato DC3000. <i>RNA Biology</i> , 2021 , 18, 1818-1833	4.8	2
3	The Use of Microcalorimetry to Study Regulatory Mechanisms in <i>Pseudomonas</i> 2007 , 255-277		2
2	Distinctive features of the Gac-Rsm pathway in plant-associated <i>Pseudomonas</i> . <i>Environmental Microbiology</i> , 2021 , 23, 5670-5689	5.2	1
1	Activation of Transcription by the Sigma-54 RNA Polymerase Holoenzyme. <i>Current Plant Science and Biotechnology in Agriculture</i> , 2000 , 73-77		

