MarÃ-a-Trinidad Mt Gallegos

List of Publications by Year
in descending order

53 papers	4,418 citations	172457 29 h-index	189892 50 g-index
54 all docs	54 docs citations	54 times ranked	4405 citing authors

#	Article	IF	Citations
1	The TetR Family of Transcriptional Repressors. Microbiology and Molecular Biology Reviews, 2005, 69, 326-356.	6.6	989
2	Mechanisms of Solvent Tolerance in Gram-Negative Bacteria. Annual Review of Microbiology, 2002, 56, 743-768.	7.3	705
3	The Bacterial Enhancer-Dependent Ï,⁵⁴(Ï,^N) Transcription Factor. Journal of Bacteriology, 2000, 182, 4129-4136.	2.2	404
4	Responses of Gram-negative bacteria to certain environmental stressors. Current Opinion in Microbiology, 2001, 4, 166-171.	5.1	192
5	The XylS/AraC family of regulators. Nucleic Acids Research, 1993, 21, 807-810.	14.5	181
6	Antibiotic-Dependent Induction of Pseudomonas putida DOT-T1E TtgABC Efflux Pump Is Mediated by the Drug Binding Repressor TtgR. Antimicrobial Agents and Chemotherapy, 2003, 47, 3067-3072.	3.2	134
7	Binding of transcriptional activators to sigma 54 in the presence of the transition state analog ADP-aluminum fluoride: insights into activator mechanochemical action. Genes and Development, 2001, 15, 2282-2294.	5.9	118
8	Crystal Structures of Multidrug Binding Protein TtgR in Complex with Antibiotics and Plant Antimicrobials. Journal of Molecular Biology, 2007, 369, 829-840.	4.2	116
9	In Vivo and In Vitro Evidence that TtgV Is the Specific Regulator of the TtgGHI Multidrug and Solvent Efflux Pump of Pseudomonas putida. Journal of Bacteriology, 2003, 185, 4755-4763.	2.2	88
10	Effector-Repressor Interactions, Binding of a Single Effector Molecule to the Operator-bound TtgR Homodimer Mediates Derepression. Journal of Biological Chemistry, 2006, 281, 7102-7109.	3.4	79
11	The XylS-dependent Pm promoter is transcribed in vivo by RNA polymerase with sigma32 or sigma38 depending on the growth phase. Molecular Microbiology, 1999, 31, 1105-1113.	2.5	77
12	Responses to Elevated c-di-GMP Levels in Mutualistic and Pathogenic Plant-Interacting Bacteria. PLoS ONE, 2014, 9, e91645.	2.5	75
13	Plant flavonoids target <i><scp>P</scp>seudomonas syringae</i> pv. tomato <scp>DC</scp>3000 flagella and type <scp>III</scp> secretion system. Environmental Microbiology Reports, 2013, 5, 841-850.	2.4	71
14	Amino-terminal sequences of sigma N (sigma 54) inhibit RNA polymerase isomerization. Genes and Development, 1999, 13, 357-370.	5.9	70
15	The Multidrug Efflux Regulator TtgV Recognizes a Wide Range of Structurally Different Effectors in Solution and Complexed with Target DNA. Journal of Biological Chemistry, 2005, 280, 20887-20893.	3.4	68
16	Novel mixed-linkage Î²-glucan activated by c-di-GMP in <i>Sinorhizobium meliloti</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E757-65.	7.1	64
17	Expression of the TOL plasmid xylS gene in Pseudomonas putida occurs from a alpha 70-dependent promoter or from alpha 70- and alpha 54-dependent tandem promoters according to the compound used for growth. Journal of Bacteriology, 1996, 178, 2356-2361.	2.2	62
18	Induction of <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000 MexAB-OprM Multidrug Efflux Pump by Flavonoids Is Mediated by the Repressor PmeR. Molecular Plant-Microbe Interactions, 2011, 24, 1207-1219.	2.6	59

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19	Critical Nucleotides in the Upstream Region of the XylS-dependent TOL meta-Cleavage Pathway Operon Promoter as Deduced from Analysis of Mutants. Journal of Biological Chemistry, 1999, 274, 2286-2290.	3.4	55
20	The câ€diâ€<scp>GMP</scp> phosphodiesterase <scp>BifA</scp> is involved in the virulence of bacteria from the <i><scp>P</scp>seudomonas syringae</i> complex. Molecular Plant Pathology, 2015, 16, 604-615.	4.2	52
21	Sequences in Ïƒ N determining holoenzyme formation and properties 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 288, 539-553.	4.2	49
22	TtgV Bound to a Complex Operator Site Represses Transcription of the Promoter for the Multidrug and Solvent Extrusion TtgGHI Pump. Journal of Bacteriology, 2004, 186, 2921-2927.	2.2	46
23	FleQ Coordinates Flagellum-Dependent and -Independent Motilities in Pseudomonas syringae pv. tomato DC3000. Applied and Environmental Microbiology, 2015, 81, 7533-7545.	3.1	44
24	Role of sigmas in transcription from the positively controlled Pm promoter of the TOL plasmid of Pseudomonas putida. Molecular Microbiology, 1995, 18, 851-857.	2.5	43
25	<scp>AmrZ</scp> regulates cellulose production in <scp><i>P</i></scp><i>seudomonas syringae</i> pv. tomato <scp>DC</scp>3000. Molecular Microbiology, 2016, 99, 960-977.	2.5	41
26	Optimization of the Palindromic Order of the TtgR Operator Enhances Binding Cooperativity. Journal of Molecular Biology, 2007, 369, 1188-1199.	4.2	39
27	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. Journal of Bacteriology, 1996, 178, 6427-6434.	2.2	37
28	Systematic analysis of Ïƒ 54 N-terminal sequences identifies regions involved in positive and negative regulation of transcription 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 292, 229-239.	4.2	33
29	Crystal structure of TtgV in complex with its DNA operator reveals a general model for cooperative DNA binding of tetrameric gene regulators. Genes and Development, 2010, 24, 2556-2565.	5.9	33
30	Complexity in efflux pump control: crossâ€regulation by the paralogues TtgV and TtgT. Molecular Microbiology, 2007, 66, 1416-1428.	2.5	31
31	Diguanylate cyclase <scp>D</scp>gc<scp>P</scp> is involved in plant and human <scp><i>P</i></scp><i>seudomonas</i> spp. infections. Environmental Microbiology, 2015, 17, 4332-4351.	3.8	31
32	Functions of the Ï,54 Region I in Trans and Implications for Transcription Activation. Journal of Biological Chemistry, 1999, 274, 25285-25290.	3.4	29
33	Contribution of the non-effector members of the HrpL regulon, iaaL and matE, to the virulence of Pseudomonas syringae pv. tomato DC3000 in tomato plants. BMC Microbiology, 2015, 15, 165.	3.3	29
34	Molecular Characterization of Resistance-Nodulation-Division Transporters from Solvent- and Drug-Resistant Bacteria in Petroleum-Contaminated Soil. Applied and Environmental Microbiology, 2005, 71, 580-586.	3.1	28
35	Suppression of UV-B stress induced flavonoids by biotic stress: Is there reciprocal crosstalk?. Plant Physiology and Biochemistry, 2019, 134, 53-63.	5.8	28
36	Different Modes of Binding of Mono- and Biaromatic Effectors to the Transcriptional Regulator TTGV. Journal of Biological Chemistry, 2007, 282, 16308-16316.	3.4	27

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37	Transcriptional control of the multiple catabolic pathways encoded on the TOL plasmid pWW53 of Pseudomonas putida MT53. Journal of Bacteriology, 1997, 179, 5024-5029.	2.2	23
38	Sequences in Ïƒ 54 region I required for binding to early melted DNA and their involvement in sigma-DNA isomerisation 1 1Edited by J. Karn. Journal of Molecular Biology, 2000, 297, 849-859.	4.2	23
39	Visualization and characterization of <i>Pseudomonas syringae</i> pv. tomato <scp>DC</scp>3000 pellicles. Microbial Biotechnology, 2019, 12, 688-702.	4.2	20
40	TtgV Represses Two Different Promoters by Recognizing Different Sequences. Journal of Bacteriology, 2009, 191, 1901-1909.	2.2	19
41	Functionality of Purified Ï, N (Ï, 54) and a NifA-Like Protein from the Hyperthermophile Aquifex aeolicus. Journal of Bacteriology, 2000, 182, 1616-1623.	2.2	16
42	Distinctive features of the <scp>Gacâ€Rsm</scp> pathway in plantâ€associated <i>Pseudomonas</i>. Environmental Microbiology, 2021, 23, 5670-5689.	3.8	16
43	Involvement of the sigmaN DNA-binding domain in open complex formation. Molecular Microbiology, 1999, 33, 873-885.	2.5	15
44	A novel c-di-GMP binding domain in glycosyltransferase BgsA is responsible for the synthesis of a mixed-linkage Î²-glucan. Scientific Reports, 2017, 7, 8997.	3.3	12
45	Mini-Tn7 vectors for stable expression of diguanylate cyclase PleD* in Gram-negative bacteria. BMC Microbiology, 2015, 15, 190.	3.3	10
46	Pathogenic and mutualistic plant-bacteria interactions: ever increasing similarities. Open Life Sciences, 2011, 6, 911-917.	1.4	9
47	Interaction of sigma factor ÏƒN with Escherichia coli RNA polymerase core enzyme. Biochemical Journal, 2000, 352, 539-547.	3.7	7
48	Exploring the expression and functionality of the <i>rsm</i> sRNAs in <i>Pseudomonas syringae</i> pv. tomato DC3000. RNA Biology, 2021, 18, 1818-1833.	3.1	6
49	Enzymatic Activation of the cis-Trans Isomerase and Transcriptional Regulation of Efflux Pumps in Solvent Tolerance in Pseudomonas Putida. , 2004, , 479-508.		6
50	Single amino acid substitution mutants of Klebsiella pneumoniae sigma54 defective in transcription. Nucleic Acids Research, 2000, 28, 4419-4427.	14.5	4
51	Interaction of sigma factor ÏƒN with Escherichia coli RNA polymerase core enzyme. Biochemical Journal, 2000, 352, 539.	3.7	3
52	The Use of Microcalorimetry to Study Regulatory Mechanisms in Pseudomonas. , 2007, , 255-277.		2
53	Activation of Transcription by the Sigma-54 RNA Polymerase Holoenzyme. Current Plant Science and Biotechnology in Agriculture, 2000, , 73-77.	0.0	0