

Fernando Govantes

List of Publications by Year in descending order

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35
papers

1,102
citations

393982

19
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordinate Intracellular Expression of <i>Salmonella</i> Genes Induced during Infection. <i>Journal of Bacteriology</i> , 1999, 181, 799-807.	1.0	115
2	Regulation of the <i>Pseudomonas</i> sp. Strain ADP Cyanuric Acid Degradation Operon. <i>Journal of Bacteriology</i> , 2005, 187, 155-167.	1.0	72
3	Nitrogen Control of Atrazine Utilization in <i>Pseudomonas</i> sp. Strain ADP. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6987-6993.	1.4	69
4	The LysR-type regulator AtzR binding site: DNA sequences involved in activation, repression and cyanuric acid-dependent repositioning. <i>Molecular Microbiology</i> , 2007, 66, 410-427.	1.2	66
5	Atrazine biodegradation in the lab and in the field: enzymatic activities and gene regulation. <i>Microbial Biotechnology</i> , 2009, 2, 178-185.	2.0	64
6	Interplay between three global regulatory proteins mediates oxygen regulation of the <i>Escherichia coli</i> cytochrome d oxidase (<i>cydAB</i>) operon. <i>Molecular Microbiology</i> , 2002, 38, 1061-1073.	1.2	63
7	Mechanism of coordinated synthesis of the antagonistic regulatory proteins NifL and NifA of <i>Klebsiella pneumoniae</i> . <i>Journal of Bacteriology</i> , 1996, 178, 6817-6823.	1.0	56
8	Oxygen regulation of the <i>Escherichia coli</i> cytochrome d oxidase (<i>cydAB</i>) operon: roles of multiple promoters and the Fnr-1 and Fnr-2 binding sites. <i>Molecular Microbiology</i> , 2000, 37, 1456-1469.	1.2	55
9	The stringent response promotes biofilm dispersal in <i>Pseudomonas putida</i> . <i>Scientific Reports</i> , 2017, 7, 18055.	1.6	51
10	Mechanism of translational coupling in the <i>nifLA</i> operon of <i>Klebsiella pneumoniae</i> . <i>EMBO Journal</i> , 1998, 17, 2368-2377.	3.5	47
11	Lack of CbrB in <i>Pseudomonas putida</i> affects not only amino acids metabolism but also different stress responses and biofilm development. <i>Environmental Microbiology</i> , 2010, 12, 1748-1761.	1.8	46
12	The c-di-GMP phosphodiesterase BifA regulates biofilm development in <i>Pseudomonas putida</i> . <i>Environmental Microbiology Reports</i> , 2015, 7, 78-84.	1.0	46
13	Regulation of the atrazine-degradative genes in <i>Pseudomonas</i> sp. strain ADP. <i>FEMS Microbiology Letters</i> , 2010, 310, 1-8.	0.7	42
14	Complex Interplay between FleQ, Cyclic Diguanylate and Multiple σ Factors Coordinately Regulates Flagellar Motility and Biofilm Development in <i>Pseudomonas putida</i> . <i>PLoS ONE</i> , 2016, 11, e0163142.	1.1	40
15	Computer simulation study of early bacterial biofilm development. <i>Scientific Reports</i> , 2018, 8, 5340.	1.6	32
16	New methods for the isolation and characterization of biofilm-persistent mutants in <i>Pseudomonas putida</i> . <i>Environmental Microbiology Reports</i> , 2013, 5, 679-685.	1.0	28
17	Transcriptional organization, regulation and functional analysis of <i>flhF</i> and <i>fleN</i> in <i>Pseudomonas putida</i> . <i>PLoS ONE</i> , 2019, 14, e0214166.	1.1	24
18	Complex interplay between the LysR-type regulator AtzR and its binding site mediates <i>atzDEF</i> activation in response to two distinct signals. <i>Molecular Microbiology</i> , 2010, 76, 331-347.	1.2	22

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19	Activation and repression of a σ^N -dependent promoter naturally lacking upstream activation sequences. <i>Molecular Microbiology</i> , 2009, 73, 419-433.	1.2	20
20	Biofilm formation-defective mutants in <i>Pseudomonas putida</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnw127.	0.7	20
21	Distinct roles for NtrC and GlnK in nitrogen regulation of the <i>Pseudomonas</i> sp. strain ADP cyanuric acid utilization operon. <i>FEMS Microbiology Letters</i> , 2009, 300, 222-229.	0.7	17
22	Transcriptional Organization and Regulatory Elements of a <i>Pseudomonas</i> sp. Strain ADP Operon Encoding a LysR-Type Regulator and a Putative Solute Transport System. <i>Journal of Bacteriology</i> , 2012, 194, 6560-6573.	1.0	16
23	An σ^A -tract at the σ^{AtzR} binding site assists σ^A binding, inducer-independent repositioning and transcriptional activation of the σ^P promoter. <i>Molecular Microbiology</i> , 2013, 90, 72-87.	1.2	15
24	PP4397/FlgZ provides the link between PP2258 c-di-GMP signalling and altered motility in <i>Pseudomonas putida</i> . <i>Scientific Reports</i> , 2018, 8, 12205.	1.6	15
25	Glutamate Dehydrogenases: Enzymology, Physiological Role and Biotechnological Relevance. , 0, , .		12
26	Harnessing the power of microbial metabolism. <i>Current Opinion in Microbiology</i> , 2016, 31, 63-69.	2.3	11
27	Transcriptional organization and regulation of the <i>Pseudomonas putida</i> flagellar system. <i>Environmental Microbiology</i> , 2022, 24, 137-157.	1.8	9
28	A <i>Pseudomonas putida cbrB</i> transposon insertion mutant displays a biofilm hyperproducing phenotype that is resistant to dispersal. <i>Environmental Microbiology Reports</i> , 2016, 8, 622-629.	1.0	6
29	Serial Dilution-Based Growth Curves and Growth Curve Synchronization for High-Resolution Time Series of Bacterial Biofilm Growth. <i>Methods in Molecular Biology</i> , 2018, 1734, 159-169.	0.4	6
30	Polymer-induced microcolony compaction in early biofilms: A computer simulation study. <i>Physical Review E</i> , 2021, 103, 052407.	0.8	5
31	Transcription termination within the regulatory. <i>Molecular Genetics and Genomics</i> , 1996, 250, 447.	2.4	5
32	Mechanism of Antiactivation at the <i>Pseudomonas</i> sp. Strain ADP σ^N -Dependent σ^{AtzT} Promoter. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4350-4362.	1.4	4
33	Genetic evidence of a high-affinity cyanuric acid transport system in <i>Pseudomonas</i> sp. ADP. <i>FEMS Microbiology Letters</i> , 2014, 352, 150-156.	0.7	3
34	Transcription termination within the regulatory σ^{nifLA} operon of <i>Klebsiella pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , 1996, 250, 447-454.	2.4	0
35	REGULATION OF THE ATRAZINE DEGRADATIVE PATHWAY IN <i>Pseudomonas</i> . , 2007, , 31-39.		0