

Ana Valladares

List of Publications by Year in descending order

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27
papers

1,494
citations

361413

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526287

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docs citations

28
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust, coherent, and synchronized circadian clock-controlled oscillations along <i>Anabaena</i> filaments. <i>ELife</i> , 2021, 10, .	6.0	14
2	Interactions of PatA with the Divisome during Heterocyst Differentiation in <i>Anabaena</i> . <i>MSphere</i> , 2020, 5, .	2.9	12
3	Catabolic pathway of arginine in <i>Anabaena</i> involves a novel bifunctional enzyme that produces proline from arginine. <i>Molecular Microbiology</i> , 2019, 111, 883-897.	2.5	19
4	Transcriptional regulation of development in heterocyst-forming cyanobacteria. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 673-684.	1.9	75
5	FtsZ of Filamentous, Heterocyst-Forming Cyanobacteria Has a Conserved N-Terminal Peptide Required for Normal FtsZ Polymerization and Cell Division. <i>Frontiers in Microbiology</i> , 2018, 9, 2260.	3.5	24
6	The heterocyst differentiation transcriptional regulator HetR of the filamentous cyanobacterium <i>Anabaena</i> forms tetramers and can be regulated by phosphorylation. <i>Molecular Microbiology</i> , 2016, 99, 808-819.	2.5	29
7	Effects of PipX on NtcA-dependent promoters and characterization of the <i>cox3</i> promoter region in the heterocyst-forming cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>FEBS Letters</i> , 2014, 588, 1787-1794.	2.8	8
8	FurA influences heterocyst differentiation in <i>Anabaena</i> sp. PCC 7120. <i>FEBS Letters</i> , 2013, 587, 2682-2690.	2.8	19
9	Transcription Activation by NtcA in the Absence of Consensus NtcA-Binding Sites in an <i>Anabaena</i> Heterocyst Differentiation Gene Promoter. <i>Journal of Bacteriology</i> , 2012, 194, 2939-2948.	2.2	24
10	<i>FurA</i> is the master regulator of iron homeostasis and modulates the expression of tetrapyrrole biosynthesis genes in <i>Anabaena</i> sp. <i>PCC</i> 7120. <i>Environmental Microbiology</i> , 2012, 14, 3175-3187.	3.8	54
11	2-oxoglutarate enhances NtcA binding activity to promoter regions of the microcystin synthesis gene cluster. <i>FEBS Letters</i> , 2011, 585, 3921-3926.	2.8	35
12	Specific Role of the Cyanobacterial PipX Factor in the Heterocysts of <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2011, 193, 1172-1182.	2.2	52
13	The interplay between siderophore secretion and coupled iron and copper transport in the heterocyst-forming cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 2131-2140.	2.6	61
14	Role of Two NtcA-Binding Sites in the Complex <i>ntcA</i> Gene Promoter of the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2008, 190, 7584-7590.	2.2	15
15	Transcription Activation by NtcA and 2-Oxoglutarate of Three Genes Involved in Heterocyst Differentiation in the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2008, 190, 6126-6133.	2.2	63
16	Heterocyst Development and Diazotrophic Metabolism in Terminal Respiratory Oxidase Mutants of the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2007, 189, 4425-4430.	2.2	69
17	Interaction of FurA from <i>Anabaena</i> sp. PCC 7120 with DNA: A Reducing Environment and the Presence of Mn ²⁺ are Positive Effectors in the Binding to <i>isiB</i> and <i>furA</i> Promoters. <i>BioMetals</i> , 2006, 19, 259-268.	4.1	43
18	The NtcA-Dependent P1 Promoter Is Utilized for <i>glnA</i> Expression in N ₂ -Fixing Heterocysts of <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2004, 186, 7337-7343.	2.2	50

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19	Nitrogen-regulated Genes for the Metabolism of Cyanophycin, a Bacterial Nitrogen Reserve Polymer. <i>Journal of Biological Chemistry</i> , 2004, 279, 11582-11592.	3.4	65
20	Cellular differentiation and the NtcA transcription factor in filamentous cyanobacteria. <i>FEMS Microbiology Reviews</i> , 2004, 28, 469-487.	8.6	186
21	Respiratory terminal oxidases in the facultative chemoheterotrophic and dinitrogen fixing cyanobacterium <i>Anabaena variabilis</i> strain ATCC 29413: characterization of the <i>cox2</i> locus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1659, 32-45.	1.0	14
22	Cytochrome c oxidase genes required for nitrogenase activity and diazotrophic growth in <i>Anabaena</i> sp. PCC 7120. <i>Molecular Microbiology</i> , 2003, 47, 1239-1249.	2.5	100
23	An ABC-type, high-affinity urea permease identified in cyanobacteria. <i>Molecular Microbiology</i> , 2002, 43, 703-715.	2.5	141
24	Mutual dependence of the expression of the cell differentiation regulatory protein HetR and the global nitrogen regulator NtcA during heterocyst development. <i>Molecular Microbiology</i> , 2002, 44, 1377-1385.	2.5	140
25	The <i>coxBAC</i> Operon Encodes a Cytochrome c Oxidase Required for Heterotrophic Growth in the Cyanobacterium <i>Anabaena variabilis</i> Strain ATCC 29413. <i>Journal of Bacteriology</i> , 2001, 183, 6429-6434.	2.2	32
26	Constitutive and nitrogen-regulated promoters of the <i>petH</i> gene encoding ferredoxin:NADP ⁺ reductase in the heterocyst-forming cyanobacterium <i>Anabaena</i> sp. <i>FEBS Letters</i> , 1999, 449, 159-164.	2.8	56
27	The <i>hetC</i> Gene Is a Direct Target of the NtcA Transcriptional Regulator in Cyanobacterial Heterocyst Development. <i>Journal of Bacteriology</i> , 1999, 181, 6664-6669.	2.2	94