Ana Valladares

List of Publications by Year
in descending order

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Version: 2024-02-01

27 papers	1,494 citations	361413 20 h-index	526287 27 g-index

28 all docs	28 docs citations	28 times ranked	1037 citing authors

#	Article	IF	Citations
1	Cellular differentiation and the NtcA transcription factor in filamentous cyanobacteria. FEMS Microbiology Reviews, 2004, 28, 469-487.	8.6	186
2	An ABC-type, high-affinity urea permease identified in cyanobacteria. Molecular Microbiology, 2002, 43, 703-715.	2.5	141
3	Mutual dependence of the expression of the cell differentiation regulatory protein HetR and the global nitrogen regulator NtcA during heterocyst development. Molecular Microbiology, 2002, 44, 1377-1385.	2.5	140
4	Cytochrome c oxidase genes required for nitrogenase activity and diazotrophic growth in Anabaena sp. PCC 7120. Molecular Microbiology, 2003, 47, 1239-1249.	2.5	100
5	The hetC Gene Is a Direct Target of the NtcA Transcriptional Regulator in Cyanobacterial Heterocyst Development. Journal of Bacteriology, 1999, 181, 6664-6669.	2.2	94
6	Transcriptional regulation of development in heterocyst-forming cyanobacteria. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 673-684.	1.9	75
7	Heterocyst Development and Diazotrophic Metabolism in Terminal Respiratory Oxidase Mutants of the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2007, 189, 4425-4430.	2.2	69
8	Nitrogen-regulated Genes for the Metabolism of Cyanophycin, a Bacterial Nitrogen Reserve Polymer. Journal of Biological Chemistry, 2004, 279, 11582-11592.	3.4	65
9	Transcription Activation by NtcA and 2-Oxoglutarate of Three Genes Involved in Heterocyst Differentiation in the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2008, 190, 6126-6133.	2.2	63
10	The interplay between siderophore secretion and coupled iron and copper transport in the heterocyst-forming cyanobacterium Anabaena sp. PCC 7120. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2131-2140.	2.6	61
11	Constitutive and nitrogen-regulated promoters of the petH gene encoding ferredoxin:NADP+ reductase in the heterocyst-forming cyanobacterium Anabaena sp. FEBS Letters, 1999, 449, 159-164.	2.8	56
12	<scp>FurA</scp> is the master regulator of iron homeostasis and modulates the expression of tetrapyrrole biosynthesis genes in <scp>A</scp>nabaena sp. <scp>PCC</scp> 7120. Environmental Microbiology, 2012, 14, 3175-3187.	3.8	54
13	Specific Role of the Cyanobacterial PipX Factor in the Heterocysts of Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2011, 193, 1172-1182.	2.2	52
14	The NtcA-Dependent P1 Promoter Is Utilized for glnA Expression in N2-Fixing Heterocysts of Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2004, 186, 7337-7343.	2.2	50
15	Interaction of FurA from Anabaena sp. PCC 7120 with DNA: A Reducing Environment and the Presence of Mn2+ are Positive Effectors in the Binding to isiB and furA Promoters. BioMetals, 2006, 19, 259-268.	4.1	43
16	2-oxoglutarate enhances NtcA binding activity to promoter regions of the microcystin synthesis gene cluster. FEBS Letters, 2011, 585, 3921-3926.	2.8	35
17	The coxBAC Operon Encodes a Cytochrome c Oxidase Required for Heterotrophic Growth in the Cyanobacterium Anabaena variabilis Strain ATCC 29413. Journal of Bacteriology, 2001, 183, 6429-6434.	2.2	32
18	The heterocyst differentiation transcriptional regulator HetR of the filamentous cyanobacterium Anabaena forms tetramers and can be regulated by phosphorylation. Molecular Microbiology, 2016, 99, 808-819.	2.5	29

#	Article	IF	Citations
19	Transcription Activation by NtcA in the Absence of Consensus NtcA-Binding Sites in an Anabaena Heterocyst Differentiation Gene Promoter. Journal of Bacteriology, 2012, 194, 2939-2948.	2.2	24
20	FtsZ of Filamentous, Heterocyst-Forming Cyanobacteria Has a Conserved N-Terminal Peptide Required for Normal FtsZ Polymerization and Cell Division. Frontiers in Microbiology, 2018, 9, 2260.	3.5	24
21	FurA influences heterocyst differentiation in Anabaena sp. PCC 7120. FEBS Letters, 2013, 587, 2682-2690.	2.8	19
22	Catabolic pathway of arginine in Anabaena involves a novel bifunctional enzyme that produces proline from arginine. Molecular Microbiology, 2019, 111, 883-897.	2.5	19
23	Role of Two NtcA-Binding Sites in the Complex ntcA Gene Promoter of the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2008, 190, 7584-7590.	2.2	15
24	Respiratory terminal oxidases in the facultative chemoheterotrophic and dinitrogen fixing cyanobacterium Anabaena variabilis strain ATCC 29413: characterization of the cox2 locus. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1659, 32-45.	1.0	14
25	Robust, coherent, and synchronized circadian clock-controlled oscillations along Anabaena filaments. ELife, 2021, 10, .	6.0	14
26	Interactions of PatA with the Divisome during Heterocyst Differentiation in Anabaena. MSphere, 2020, 5, .	2.9	12
27	Effects of PipX on NtcAâ€dependent promoters and characterization of the cox3 promoter region in the heterocystâ€forming cyanobacterium Anabaena sp. PCC 7120. FEBS Letters, 2014, 588, 1787-1794.	2.8	8