Enrique Flores

List of Publications by Year
in descending order

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175 papers	10,038 citations	26610 56 h-index	45285 90 g-index
177 all docs	177 docs citations	177 times ranked	4003 citing authors

#	Article	IF	Citations
1	Genetic and lipidomic analyses suggest that Nostoc punctiforme, a plant-symbiotic cyanobacterium, does not produce sphingolipids. Access Microbiology, 2022, 4, 000306.	0.2	2
2	Adaptation to an Intracellular Lifestyle by a Nitrogen-Fixing, Heterocyst-Forming Cyanobacterial Endosymbiont of a Diatom. Frontiers in Microbiology, 2022, 13, 799362.	1.5	9
3	Impaired cell-cell communication in the multicellular cyanobacterium Anabaena affects carbon uptake, photosynthesis, and the cell wall. IScience, 2021, 24, 101977.	1.9	9
4	Coexistence of Communicating and Noncommunicating Cells in the Filamentous Cyanobacterium Anabaena. MSphere, 2021, 6, .	1.3	11
5	Robust, coherent, and synchronized circadian clock-controlled oscillations along Anabaena filaments. ELife, 2021, 10, .	2.8	14
6	A TonB-Like Protein, SjdR, Is Involved in the Structural Definition of the Intercellular Septa in the Heterocyst-Forming Cyanobacterium Anabaena. MBio, 2021, 12, e0048321.	1.8	5
7	Heterocyst Septa Contain Large Nanopores That Are Influenced by the Fra Proteins in the Filamentous Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2021, 203, e0008121.	1.0	3
8	Studies on the Regulation of Arginine Metabolism in Cyanobacteria Should Include Mixotrophic Conditions. MBio, 2021, 12, e0143321.	1.8	3
9	Single-Cell Measurements of Fixation and Intercellular Exchange of C and N in the Filaments of the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. MBio, 2021, 12, e0131421.	1.8	5
10	Functional Diversity of TonB-Like Proteins in the Heterocyst-Forming Cyanobacterium Anabaena sp. PCC 7120. MSphere, 2021, 6, e0021421.	1.3	2
11	Pentapeptideâ€repeat, cytoplasmicâ€membrane protein HglK influences the septal junctions in the heterocystous cyanobacterium Anabaena. Molecular Microbiology, 2020, 113, 794-806.	1.2	9
12	A novel septal protein of multicellular heterocystous cyanobacteria is associated with the divisome. Molecular Microbiology, 2020, 113, 1140-1154.	1.2	22
13	Arginine catabolism enzyme AgrE/ArgZ likely involves a cyanobacterial specific factor. Journal of Biological Chemistry, 2020, 295, 2915.	1.6	1
14	Predicting substrate exchange in marine diatomâ€heterocystous cyanobacteria symbioses. Environmental Microbiology, 2020, 22, 2027-2052.	1.8	17
15	Genetic responses to carbon and nitrogen availability in Anabaena. Environmental Microbiology, 2019, 21, 1-17.	1.8	75
16	Nitrogen Assimilation in Bacteria. , 2019, , .		6
17	Cyanophycin and arginine metabolism in cyanobacteria. Algal Research, 2019, 42, 101577.	2.4	49
18	Developmental Biology in Cyanobacteria. Life, 2019, 9, 39.	1.1	1

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19	Cyanobacterial Septal Junctions: Properties and Regulation. Life, 2019, 9, 1.	1.1	34
20	Catabolic pathway of arginine in Anabaena involves a novel bifunctional enzyme that produces proline from arginine. Molecular Microbiology, 2019, 111, 883-897.	1.2	19
21	Transcriptional regulation of development in heterocyst-forming cyanobacteria. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 673-684.	0.9	75
22	Multiple ABC glucoside transporters mediate sugarâ€stimulated growth in the heterocystâ€forming cyanobacteriumAnabaenasp. strain PCC 7120. Environmental Microbiology Reports, 2018, 10, 40-48.	1.0	15
23	Homospermidine biosynthesis in the cyanobacterium Anabaena requires a deoxyhypusine synthase homologue and is essential for normal diazotrophic growth. Molecular Microbiology, 2018, 109, 763-780.	1.2	23
24	Specific mutations in the permease domain of septal protein SepJ differentially affect functions related to multicellularity in the filamentous cyanobacterium Anabaena. Microbial Cell, 2018, 5, 555-565.	1.4	5
25	Specific Glucoside Transporters Influence Septal Structure and Function in the Filamentous, Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2017, 199, .	1.0	25
26	Molecular Diffusion through Cyanobacterial Septal Junctions. MBio, 2017, 8, .	1.8	29
27	Septal protein SepJ from the heterocystâ€forming cyanobacterium Anabaena forms multimers and interacts with peptidoglycan. FEBS Open Bio, 2017, 7, 1515-1526.	1.0	11
28	Role of Two Cell Wall Amidases in Septal Junction and Nanopore Formation in the Multicellular Cyanobacterium Anabaena sp. PCC 7120. Frontiers in Cellular and Infection Microbiology, 2017, 7, 386.	1.8	35
29	Overexpression of SepJ alters septal morphology and heterocyst pattern regulated by diffusible signals in Anabaena. Molecular Microbiology, 2016, 101, 968-981.	1.2	27
30	The multicellular nature of filamentous heterocyst-forming cyanobacteria. FEMS Microbiology Reviews, 2016, 40, 831-854.	3.9	215
31	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.	1.2	29
32	Septal Junctions in Filamentous Heterocyst-Forming Cyanobacteria. Trends in Microbiology, 2016, 24, 79-82.	3.5	48
33	Amino Acid Transporters and Release of Hydrophobic Amino Acids in the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Life, 2015, 5, 1282-1300.	1.1	20
34	The <scp>LysR</scp>â€type transcription factor <scp>PacR</scp> is a global regulator of photosynthetic carbon assimilation in <scp>A</scp>nabaena. Environmental Microbiology, 2015, 17, 3341-3351.	1.8	16
35	Functional Dependence between Septal Protein SepJ from Anabaena sp. Strain PCC 7120 and an Amino Acid ABC-Type Uptake Transporter. Journal of Bacteriology, 2015, 197, 2721-2730.	1.0	10
36	The Peptidoglycan-Binding Protein SjcF1 Influences Septal Junction Function and Channel Formation in the Filamentous Cyanobacterium Anabaena. MBio, 2015, 6, e00376.	1.8	33

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37	Divisomeâ€dependent subcellular localization of cellâ€“cell joining protein <scp>S</scp>ep<scp>J</scp> in the filamentous cyanobacterium <scp>Anabaena</scp>. Molecular Microbiology, 2015, 96, 566-580.	1.2	43
38	Spatial Fluctuations in Expression of the Heterocyst Differentiation Regulatory Gene hetR in Anabaena Filaments. PLoS Genetics, 2015, 11, e1005031.	1.5	27
39	Induction of the Nitrate Assimilation nirA Operon and Protein-Protein Interactions in the Maturation of Nitrate and Nitrite Reductases in the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2015, 197, 2442-2452.	1.0	12
40	Intercellular Diffusion of a Fluorescent Sucrose Analog via the Septal Junctions in a Filamentous Cyanobacterium. MBio, 2015, 6, e02109.	1.8	90
41	Relationships between the ABC-Exporter HetC and Peptides that Regulate the Spatiotemporal Pattern of Heterocyst Distribution in Anabaena. PLoS ONE, 2014, 9, e104571.	1.1	28
42	Heterocyst-specific flavodiiron protein Flv3B enables oxic diazotrophic growth of the filamentous cyanobacterium Anabaena sp. PCC 7120. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11205-11210.	3.3	55
43	ChIP analysis unravels an exceptionally wide distribution of DNA binding sites for the NtcA transcription factor in a heterocyst-forming cyanobacterium. BMC Genomics, 2014, 15, 22.	1.2	69
44	Branching and intercellular communication in the <scp>S</scp>ection <scp>V</scp> cyanobacterium <scp>M</scp>astigocladus laminosus, a complex multicellular prokaryote. Molecular Microbiology, 2014, 91, 935-949.	1.2	42
45	Inactivation of agmatinase expressed in vegetative cells alters arginine catabolism and prevents diazotrophic growth in the heterocystâ€forming cyanobacterium Anabaena. MicrobiologyOpen, 2014, 3, 777-792.	1.2	14
46	Subcellular Localization and Clues for the Function of the HetN Factor Influencing Heterocyst Distribution in Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2014, 196, 3452-3460.	1.0	33
47	Cell Envelope Components Influencing Filament Length in the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2014, 196, 4026-4035.	1.0	22
48	Compartmentalized cyanophycin metabolism in the diazotrophic filaments of a heterocyst-forming cyanobacterium. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3823-3828.	3.3	87
49	The cyanobacteria: morphological diversity in a photoautotrophic lifestyle. Perspectives in Phycology, 2014, 1, 63-72.	1.9	16
50	A Nostoc punctiforme Sugar Transporter Necessary to Establish a Cyanobacterium-Plant Symbiosis Â Â. Plant Physiology, 2013, 161, 1984-1992.	2.3	56
51	Cluster of Genes That Encode Positive and Negative Elements Influencing Filament Length in a Heterocyst-Forming Cyanobacterium. Journal of Bacteriology, 2013, 195, 3957-3966.	1.0	17
52	Gene Expression during Heterocyst Differentiation. Advances in Botanical Research, 2013, , 281-329.	0.5	44
53	Roles of Four Conserved Basic Amino Acids in a Ferredoxin-Dependent Cyanobacterial Nitrate Reductase. Biochemistry, 2013, 52, 4343-4353.	1.2	13
54	Functional dissection and evidence for intercellular transfer of the heterocystâ€differentiation <scp>PatS</scp> morphogen. Molecular Microbiology, 2013, 88, 1093-1105.	1.2	56

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55	Diverse roles of the GlcP glucose permease in free-living and symbiotic cyanobacteria. Plant Signaling and Behavior, 2013, 8, e27416.	1.2	6
56	A Major Facilitator Superfamily Protein, HepP, Is Involved in Formation of the Heterocyst Envelope Polysaccharide in the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2012, 194, 4677-4687.	1.0	18
57	Restricted cellular differentiation in cyanobacterial filaments: Fig. 1.. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15080-15081.	3.3	4
58	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.	1.0	24
59	N and C control of ABCâ€type bicarbonate transporter Cmp and its LysRâ€type transcriptional regulator CmpR in a heterocystâ€forming cyanobacterium, Anabaena sp.. Environmental Microbiology, 2012, 14, 1035-1048.	1.8	25
60	Outer membrane continuity and septosome formation between vegetative cells in the filaments of Anabaena sp. PCC 7120. Cellular Microbiology, 2011, 13, 1744-1754.	1.1	81
61	Functional dissection of the threeâ€domain SepJ protein joining the cells in cyanobacterial trichomes. Molecular Microbiology, 2011, 79, 1077-1088.	1.2	46
62	FraC/FraDâ€dependent intercellular molecular exchange in the filaments of a heterocystâ€forming cyanobacterium, Anabaena sp.. Molecular Microbiology, 2011, 82, 87-98.	1.2	68
63	FraH Is Required for Reorganization of Intracellular Membranes during Heterocyst Differentiation in Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2011, 193, 6815-6823.	1.0	11
64	Fra proteins influencing filament integrity, diazotrophy and localization of septal protein SepJ in the heterocystâ€forming cyanobacterium Anabaena sp.. Molecular Microbiology, 2010, 75, 1159-1170.	1.2	87
65	Compartmentalized function through cell differentiation in filamentous cyanobacteria. Nature Reviews Microbiology, 2010, 8, 39-50.	13.6	369
66	A TRAP Transporter for Pyruvate and Other Monocarboxylate 2-Oxoacids in the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2010, 192, 6089-6092.	1.0	15
67	Negative Regulation of Expression of the Nitrate AssimilationnirAOperon in the Heterocyst-Forming CyanobacteriumAnabaenasp. Strain PCC 7120. Journal of Bacteriology, 2010, 192, 2769-2778.	1.0	16
68	Catabolic Function of Compartmentalized Alanine Dehydrogenase in the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2010, 192, 5165-5172.	1.0	41
69	Inactivation of a Heterocyst-Specific Invertase Indicates a Principal Role of Sucrose Catabolism in Heterocysts of Anabaena sp. Journal of Bacteriology, 2010, 192, 5526-5533.	1.0	60
70	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.	1.4	61
71	Multicellularity in a Heterocyst-Forming Cyanobacterium: Pathways for Intercellular Communication. Advances in Experimental Medicine and Biology, 2010, 675, 123-135.	0.8	18
72	NtcA-Regulated Heterocyst Differentiation Genes hetC and devB from Anabaena sp. Strain PCC 7120 Exhibit a Similar Tandem Promoter Arrangement. Journal of Bacteriology, 2009, 191, 5765-5774.	1.0	20

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73	Expression and Mutational Analysis of the glnB Genomic Region in the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2009, 191, 2353-2361.	1.0	16
74	The outer membrane of a heterocystâ€forming cyanobacterium is a permeability barrier for uptake of metabolites that are exchanged between cells. Molecular Microbiology, 2009, 74, 58-70.	1.2	51
75	Mechanism of intercellular molecular exchange in heterocyst-forming cyanobacteria. EMBO Journal, 2008, 27, 1299-1308.	3.5	145
76	ABCâ€type amino acid uptake transporters Bgt and Nâ€H of Anabaena sp. strain PCC 7120 share an ATPase subunit and are expressed in vegetative cells and heterocysts. Molecular Microbiology, 2008, 67, 1067-1080.	1.2	58
77	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.	1.0	15
78	Alr0397 Is an Outer Membrane Transporter for the Siderophore Schizokinen inAnabaenasp. Strain PCC 7120. Journal of Bacteriology, 2008, 190, 7500-7507.	1.0	77
79	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.	1.0	63
80	The amt Gene Cluster of the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2008, 190, 6534-6539.	1.0	20
81	Septum-Localized Protein Required for Filament Integrity and Diazotrophy in the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2007, 189, 3884-3890.	1.0	96
82	The NtcA-Regulated amtB Gene Is Necessary for Full Methylammonium Uptake Activity in the Cyanobacterium Synechococcus elongatus. Journal of Bacteriology, 2007, 189, 7791-7798.	1.0	19
83	A TolC-Like Protein Is Required for Heterocyst Development inAnabaenasp. Strain PCC 7120. Journal of Bacteriology, 2007, 189, 7887-7895.	1.0	51
84	The proteome of the heterocyst cell wall in Anabaena sp. PCC 7120. Biological Chemistry, 2007, 388, 823-9.	1.2	32
85	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.	1.0	69
86	Nitrate Assimilation in Bacteria. , 2007, , 263-282.		25
87	Continuous periplasm in a filamentous, heterocystâ€forming cyanobacterium. Molecular Microbiology, 2007, 65, 1139-1145.	1.2	90
88	Identification of a furA cis Antisense RNA in the Cyanobacterium Anabaena sp. PCC 7120. Journal of Molecular Biology, 2006, 355, 325-334.	2.0	95
89	Is the periplasm continuous in filamentous multicellular cyanobacteria?. Trends in Microbiology, 2006, 14, 439-443.	3.5	106
90	All4312, an NtcA-regulated two-component response regulator inAnabaenasp. strain PCC 7120. FEMS Microbiology Letters, 2006, 256, 171-177.	0.7	55

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91	Regulated expression of glutamyl-tRNA synthetase is directed by a mobile genetic element in the cyanobacterium Tolypothrix sp. PCC 7601. Molecular Microbiology, 2006, 60, 1276-1288.	1.2	14
92	Localized Induction of the ntcA Regulatory Gene in Developing Heterocysts of Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2006, 188, 6694-6699.	1.0	80
93	Nitrogen assimilation and nitrogen control in cyanobacteria. Biochemical Society Transactions, 2005, 33, 164-167.	1.6	261
94	ABC-type neutral amino acid permease N-I is required for optimal diazotrophic growth and is repressed in the heterocysts ofAnabaenasp. strain PCC 7120. Molecular Microbiology, 2005, 57, 1582-1592.	1.2	49
95	Photosynthetic nitrate assimilation in cyanobacteria. Photosynthesis Research, 2005, 83, 117-133.	1.6	203
96	HetR-Dependent and -Independent Expression of Heterocyst-Related Genes in an Anabaena Strain Overproducing the NtcA Transcription Factor. Journal of Bacteriology, 2005, 187, 1985-1991.	1.0	42
97	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.	1.0	50
98	Nitrogen-regulated Genes for the Metabolism of Cyanophycin, a Bacterial Nitrogen Reserve Polymer. Journal of Biological Chemistry, 2004, 279, 11582-11592.	1.6	65
99	In vivo activity of the nitrogen control transcription factor NtcA is subjected to metabolic regulation inSynechococcussp. strain PCC 7942. FEMS Microbiology Letters, 2004, 236, 47-52.	0.7	29
100	Cellular differentiation and the NtcA transcription factor in filamentous cyanobacteria. FEMS Microbiology Reviews, 2004, 28, 469-487.	3.9	186
101	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.	0.5	14
102	Complex formation between ferredoxin and Synechococcus ferredoxin:nitrate oxidoreductase. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1608, 155-162.	0.5	23
103	Tuning a Nitrate Reductase for Function. Journal of Biological Chemistry, 2004, 279, 32212-32218.	1.6	73
104	In vivo activity of the nitrogen control transcription factor NtcA is subjected to metabolic regulation in Synechococcus sp. strain PCC 7942. FEMS Microbiology Letters, 2004, 236, 47-52.	0.7	14
105	Carbon supply and 2-oxoglutarate effects on expression of nitrate reductase and nitrogen-regulated genes inSynechococcussp. strain PCC 7942. FEMS Microbiology Letters, 2003, 221, 155-159.	0.7	41
106	Cytochrome c oxidase genes required for nitrogenase activity and diazotrophic growth in Anabaena sp. PCC 7120. Molecular Microbiology, 2003, 47, 1239-1249.	1.2	100
107	Transcriptional effects of the signal transduction protein PII(glnBgene product) on NtcA-dependent genes inSynechococcussp. PCC 7942. FEBS Letters, 2003, 543, 42-46.	1.3	52
108	Open Reading Frame all0601 from Anabaena sp. Strain PCC 7120 Represents a Novel Gene, cnaT , Required for Expression of the Nitrate Assimilation nir Operon. Journal of Bacteriology, 2003, 185, 5037-5044.	1.0	19

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109	2-Oxoglutarate increases the binding affinity of the NtcA (nitrogen control) transcription factor for theSynechococcus glnApromoter. FEBS Letters, 2002, 512, 71-74.	1.3	167
110	Sucrose is involved in the diazotrophic metabolism of the heterocyst-forming cyanobacteriumAnabaenasp. FEBS Letters, 2002, 513, 175-178.	1.3	99
111	Analysis of binding sites for the nitrogen-control transcription factor NtcA in the promoters of Synechococcus nitrogen-regulated genes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1578, 95-98.	2.4	24
112	An ABC-type, high-affinity urea permease identified in cyanobacteria. Molecular Microbiology, 2002, 43, 703-715.	1.2	141
113	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.	1.2	140
114	Enzyme-catalysed nitrate reductionâ€"themes and variations as revealed by protein film voltammetry. Bioelectrochemistry, 2002, 56, 17-18.	2.4	10
115	Purification, cofactor analysis, and site-directed mutagenesis of Synechococcus ferredoxin-nitrate reductase. Photosynthesis Research, 2002, 72, 13-26.	1.6	31
116	The NtcA-activated amt1 gene encodes a permease required for uptake of low concentrations of ammonium in the cyanobacterium Synechococcus sp. PCC 7942 The GenBank accession number for the nucleotide sequence of the amt1 gene described in this paper is AJ311900.. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	33
117	Identification of Genes Encoding Amino Acid Permeases by Inactivation of Selected ORFs from the Synechocystis Genomic Sequence. Genome Research, 2001, 11, 2034-2040.	2.4	61
118	Nitrogen-Regulated Group 2 Sigma Factor from Synechocystis sp. Strain PCC 6803 Involved in Survival under Nitrogen Stress. Journal of Bacteriology, 2001, 183, 1090-1095.	1.0	88
119	Nitrogen Control in Cyanobacteria. Journal of Bacteriology, 2001, 183, 411-425.	1.0	616
120	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.	1.0	32
121	NtcA-Dependent Expression of the devBCA Operon, Encoding a Heterocyst-Specific ATP-Binding Cassette Transporter in Anabaena spp. Journal of Bacteriology, 2001, 183, 3795-3799.	1.0	45
122	Activation of the Anabaena nir operon promoter requires both NtcA (CAP family) and NtcB (LysR) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.2	58
123	Phosphorylation of the signal transducer PII protein and an additional effector are required for the PII-mediated regulation of nitrate and nitrite uptake in the cyanobacterium Synechococcus sp. PCC 7942. FEBS Journal, 2000, 267, 591-600.	0.2	70
124	Uptake of 2-Oxoglutarate in Synechococcus Strains Transformed with the Escherichia coli kgtP Gene. Journal of Bacteriology, 2000, 182, 211-215.	1.0	41
125	Arginine Catabolism in the Cyanobacterium Synechocystis sp. Strain PCC 6803 Involves the Urea Cycle and Arginase Pathway. Journal of Bacteriology, 2000, 182, 1008-1015.	1.0	73
126	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.	1.3	56

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127	Molybdopterin guanine dinucleotide cofactor inSynechococcussp. nitrate reductase: identification ofmobAand isolation of a putativemoeBgene. FEBS Letters, 1999, 462, 358-362.	1.3	21
128	Cyanobacterial Nitrogen Assimilation Genes and NtcA-Dependent Control of Gene Expression. , 1999, , 463-477.		19
129	The hetC Gene Is a Direct Target of the NtcA Transcriptional Regulator in Cyanobacterial Heterocyst Development. Journal of Bacteriology, 1999, 181, 6664-6669.	1.0	94
130	A role for the signal transduction protein PIIin the control of nitrate/nitrite uptake in a cyanobacterium. FEBS Letters, 1998, 427, 291-295.	1.3	89
131	Ammonium/Methylammonium Permeases of a Cyanobacterium. Journal of Biological Chemistry, 1998, 273, 31463-31470.	1.6	117
132	The narA Locus of Synechococcus sp. Strain PCC 7942 Consists of a Cluster of Molybdopterin Biosynthesis Genes. Journal of Bacteriology, 1998, 180, 1200-1206.	1.0	19
133	Reduction of conjugal transfer efficiency by three restriction activities of Anabaena sp. strain PCC 7120. Journal of Bacteriology, 1997, 179, 1998-2005.	1.0	304
134	The nuiA Gene from Anabaena sp. encoding an inhibitor of the NucA sugar-non-specific nuclease. Journal of Molecular Biology, 1997, 268, 589-598.	2.0	19
135	Nitrate assimilation gene cluster from the heterocyst-forming cyanobacterium Anabaena sp. strain PCC 7120. Journal of Bacteriology, 1997, 179, 477-486.	1.0	109
136	Amino acid transport in taxonomically diverse cyanobacteria and identification of two genes encoding elements of a neutral amino acid permease putatively involved in recapture of leaked hydrophobic amino acids. Journal of Bacteriology, 1997, 179, 853-862.	1.0	71
137	A cyanobacterial narB gene encodes a ferredoxin-dependent nitrate reductase. Plant Molecular Biology, 1996, 30, 845-850.	2.0	55
138	Amino acid transport systems required for diazotrophic growth in the cyanobacterium Anabaena sp. strain PCC 7120. Journal of Bacteriology, 1995, 177, 3150-3157.	1.0	64
139	Transfer of a genetic marker from a megaplasmid of Anabaena sp. strain PCC 7120 to a megaplasmid of a different Anabaena strain. Journal of Bacteriology, 1994, 176, 1093-1098.	1.0	34
140	Requirement of the regulatory protein NtcA for the expression of nitrogen assimilation and heterocyst development genes in the cyanobacterium Anabaena sp. PCC7120. Molecular Microbiology, 1994, 14, 823-832.	1.2	215
141	Nitrate and nitrite transport in the cyanobacterium Synechococcus sp. PCC 7942 are mediated by the same permease. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1184, 296-298.	0.5	61
142	Assimilatory Nitrogen Metabolism and Its Regulation. , 1994, , 487-517.		3
143	Assimilatory Nitrogen Metabolism and Its Regulation. , 1994, , 487-517.		191
144	Nitrite reductase gene from Synechococcus sp. PCC 7942: homology between cyanobacterial and higher-plant nitrite reductases. Plant Molecular Biology, 1993, 21, 1201-1205.	2.0	83

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145	Homology of the N-terminal domain of the petH gene product from Anabaena sp. PCC 7119 to the CpcD phycobilisome linker polypeptide. Plant Molecular Biology, 1993, 22, 725-729.	2.0	27
146	General distribution of the nitrogen control gene ntcA in cyanobacteria. Journal of Bacteriology, 1993, 175, 5710-5713.	1.0	98
147	Biphasic Kinetic Behavior of Nitrate Reductase from Heterocystous, Nitrogen-Fixing Cyanobacteria. Plant Physiology, 1992, 100, 157-163.	2.3	20
148	Clustering of genes involved in nitrate assimilation in the cyanobacterium Synechococcus. Molecular Genetics and Genomics, 1992, 232, 7-11.	2.4	58
149	Isolation of arginine auxotrophs, cloning by mutant complementation, and sequence analysis of the argC gene from the cyanobacterium Anabaena species PCC 7120. Molecular Microbiology, 1992, 6, 2085-2094.	1.2	22
150	Identification, genetic analysis and characterization of a sugar-non-specific nuclease from the cyanobacterium Anabaena sp. PCC 7120. Molecular Microbiology, 1992, 6, 3021-3030.	1.2	68
151	NtcA, a global nitrogen regulator from the cyanobacterium Synechococcus that belongs to the Crp family of bacterial regulators. Molecular Microbiology, 1992, 6, 1853-1859.	1.2	185
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