

Karl Forchhammer

List of Publications by Year in descending order

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118
papers

5,535
citations

61984

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134
all docs

134
docs citations

134
times ranked

3577
citing authors

#	ARTICLE	IF	CITATIONS
1	New views on PII signaling: from nitrogen sensing to global metabolic control. Trends in Microbiology, 2022, 30, 722-735.	7.7	38
2	Structure of a thylakoid-anchored contractile injection system in multicellular cyanobacteria. Nature Microbiology, 2022, 7, 386-396.	13.3	23
3	PotN represents a novel energy state sensing PII subfamily, occurring in firmicutes. FEBS Journal, 2022, 289, 5305-5321.	4.7	2
4	Changes in Envelope Structure and Cell-Cell Communication during Akinete Differentiation and Germination in Filamentous Cyanobacterium Trichormus variabilis ATCC 29413. Life, 2022, 12, 429.	2.4	1
5	The impact of the cyanobacterial carbon regulator protein Sbt and of the second messengers cAMP and c-diAMP on CO ₂ -dependent gene expression. New Phytologist, 2022, 234, 1801-1816.	7.3	15
6	Hybrid Chemoenzymatic Synthesis of C7 Sugars for Molecular Evidence of in vivo Shikimate Pathway Inhibition. ChemBioChem, 2022, , .	2.6	3
7	Regulatory phosphorylation event of phosphoglucomutase 1 tunes its activity to regulate glycogen metabolism. FEBS Journal, 2022, 289, 6005-6020.	4.7	6
8	Functional and structural characterization of PII-like protein CutA does not support involvement in heavy metal tolerance and hints at a small molecule carrying/signaling role. FEBS Journal, 2021, 288, 1142-1162.	4.7	14
9	Bacterial Predation on Cyanobacteria. Microbial Physiology, 2021, 31, 99-108.	2.4	21
10	Kinetic Analysis of a Protein-protein Complex to Determine its Dissociation Constant (KD) and the Effective Concentration (EC50) of an Interplaying Effector Molecule Using Bio-layer Interferometry. Bio-protocol, 2021, 11, e4152.	0.4	10
11	Magnetic Bead-Based Immunoassay Allows Rapid, Inexpensive, and Quantitative Detection of Human SARS-CoV-2 Antibodies. ACS Sensors, 2021, 6, 703-708.	7.8	61
12	A bioactive molecule made by unusual salvage of radical SAM enzyme byproduct 5-deoxyadenosine blurs the boundary of primary and secondary metabolism. Journal of Biological Chemistry, 2021, 296, 100621.	3.4	7
13	Polyhydroxybutyrate: A Useful Product of Chlorotic Cyanobacteria. Microbial Physiology, 2021, 31, 67-77.	2.4	18
14	Recovery of Unicellular Cyanobacteria from Nitrogen Chlorosis: A Model for Resuscitation of Dormant Bacteria. Microbial Physiology, 2021, 31, 78-87.	2.4	20
15	The novel P _{II} -interactor PirC identifies phosphoglycerate mutase as key control point of carbon storage metabolism in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	52
16	The essential role of sodium bioenergetics and ATP homeostasis in the developmental transitions of a cyanobacterium. Current Biology, 2021, 31, 1606-1615.e2.	3.9	12
17	The Novel P _{II} -Interacting Protein PirA Controls Flux into the Cyanobacterial Ornithine-Ammonia Cycle. MBo, 2021, 12, .	4.1	17
18	Split NanoLuc technology allows quantitation of interactions between PII protein and its receptors with unprecedented sensitivity and reveals transient interactions. Scientific Reports, 2021, 11, 12535.	3.3	16

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19	5-Deoxyadenosine Metabolism: More than "Waste Disposal". <i>Microbial Physiology</i> , 2021, 31, 248-259.	2.4	3
20	In vivo Inhibition of the 3-Dehydroquinate Synthase by 7-Deoxysedoheptulose Depends on Promiscuous Uptake by Sugar Transporters in Cyanobacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 692986.	3.5	5
21	Editorial for Article Collection on "Bacterial Survival Strategies". <i>Microbial Physiology</i> , 2021, 31, 1-3.	2.4	0
22	Strong coupling between an optical microcavity and photosystems in single living cyanobacteria. <i>Journal of Biophotonics</i> , 2021, , e202100136.	2.3	3
23	Arabidopsis PII Proteins Form Characteristic Foci in Chloroplasts Indicating Novel Properties in Protein Interaction and Degradation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12666.	4.1	6
24	Diurnal metabolic control in cyanobacteria requires perception of second messenger signaling molecule c-di-AMP by the carbon control protein SbtB. <i>Science Advances</i> , 2021, 7, eabk0568.	10.3	26
25	Carbon/nitrogen homeostasis control in cyanobacteria. <i>FEMS Microbiology Reviews</i> , 2020, 44, 33-53.	8.6	130
26	Interaction of N-acetyl-L-glutamate kinase with the PII signal transducer in the non-photosynthetic alga <i>Polytomella parva</i> : Co-evolution towards a heterooligomeric enzyme. <i>FEBS Journal</i> , 2020, 287, 465-482.	4.7	29
27	The Protein-Protein Interaction Network Reveals a Novel Role of the Signal Transduction Protein PII in the Control of c-di-GMP Homeostasis in <i>Azospirillum brasilense</i> . <i>MSystems</i> , 2020, 5, .	3.8	8
28	Complete Genome Sequence of <i>Lactobacillus hilgardii</i> LMG 7934, Carrying the Gene Encoding for the Novel PII-Like Protein PotN. <i>Current Microbiology</i> , 2020, 77, 3538-3545.	2.2	9
29	Maximizing PHB content in <i>Synechocystis</i> sp. PCC 6803: a new metabolic engineering strategy based on the regulator PirC. <i>Microbial Cell Factories</i> , 2020, 19, 231.	4.0	61
30	The Slr0058 Protein From <i>Synechocystis</i> sp. PCC 6803 Is a Novel Regulatory Protein Involved in PHB Granule Formation. <i>Frontiers in Microbiology</i> , 2020, 11, 809.	3.5	14
31	The NADP-dependent malic enzyme MaeB is a central metabolic hub controlled by the acetyl-CoA to CoASH ratio. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140462.	2.3	4
32	NAD ⁺ biosynthesis in bacteria is controlled by global carbon/nitrogen levels via PII signaling. <i>Journal of Biological Chemistry</i> , 2020, 295, 6165-6176.	3.4	12
33	From cyanobacteria to Archaeplastida: new evolutionary insights into PII signalling in the plant kingdom. <i>New Phytologist</i> , 2020, 227, 722-731.	7.3	42
34	Glycolytic Shunts Replenish the Calvin-Benson-Bassham Cycle as Anaplerotic Reactions in Cyanobacteria. <i>Molecular Plant</i> , 2020, 13, 471-482.	8.3	53
35	Phosphoenolpyruvate carboxylase from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 is under global metabolic control by P _{II} signaling. <i>Molecular Microbiology</i> , 2020, 114, 292-307.	2.5	30
36	On the Role and Production of Polyhydroxybutyrate (PHB) in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Life</i> , 2020, 10, 47.	2.4	39

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37	Construction of Antisense RNA-mediated Gene Knock-down Strains in the Cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Bio-protocol</i> , 2020, 10, e3528.	0.4	1
38	Structure and Function of a Bacterial Gap Junction Analog. <i>Cell</i> , 2019, 178, 374-384.e15.	28.9	78
39	Effects of arginine on <i>Polytomella parva</i> growth, PII protein levels and lipid body formation. <i>Planta</i> , 2019, 250, 1379-1385.	3.2	3
40	Cyanobacterial antimetabolite 7-deoxy-sedoheptulose blocks the shikimate pathway to inhibit the growth of prototrophic organisms. <i>Nature Communications</i> , 2019, 10, 545.	12.8	53
41	The Signal Transduction Protein PII Controls Ammonium, Nitrate and Urea Uptake in Cyanobacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 1428.	3.5	59
42	A novel Ca ²⁺ -binding protein influences photosynthetic electron transport in <i>Anabaena</i> sp. PCC 7120. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 519-532.	1.0	12
43	PHB is Produced from Glycogen Turn-over during Nitrogen Starvation in <i>Synechocystis</i> sp. PCC 6803. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1942.	4.1	88
44	A nanopore array in the septal peptidoglycan hosts gated septal junctions for cell-cell communication in multicellular cyanobacteria. <i>International Journal of Medical Microbiology</i> , 2019, 309, 151303.	3.6	15
45	Tuning the in vitro sensing and signaling properties of cyanobacterial PII protein by mutation of key residues. <i>Scientific Reports</i> , 2019, 9, 18985.	3.3	15
46	Nitrogen chlorosis in unicellular cyanobacteria – a developmental program for surviving nitrogen deprivation. <i>Environmental Microbiology</i> , 2019, 21, 1173-1184.	3.8	62
47	How glyphosate and its associated acidity affect early development in zebrafish (<i>Danio rerio</i>). <i>PeerJ</i> , 2019, 7, e7094.	2.0	28
48	LytM factor Alr3353 affects filament morphology and cell-cell communication in the multicellular cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Molecular Microbiology</i> , 2018, 108, 187-203.	2.5	22
49	The PII signaling protein from red algae represents an evolutionary link between cyanobacterial and Chloroplastida PII proteins. <i>Scientific Reports</i> , 2018, 8, 790.	3.3	27
50	A Specific Glycogen Mobilization Strategy Enables Rapid Awakening of Dormant Cyanobacteria from Chlorosis. <i>Plant Physiology</i> , 2018, 177, 594-603.	4.8	57
51	P _{II} -like signaling protein SbtB links cAMP sensing with cyanobacterial inorganic carbon response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4861-E4869.	7.1	65
52	Cyanophycin Synthesis Optimizes Nitrogen Utilization in the Unicellular Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	58
53	Chlorosis as a Developmental Program in Cyanobacteria: The Proteomic Fundament for Survival and Awakening. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1650-1669.	3.8	47
54	Down-Regulation of the Alternative Sigma Factor SigJ Confers a Photoprotective Phenotype to <i>Anabaena</i> PCC 7120. <i>Plant and Cell Physiology</i> , 2017, 58, pcw188.	3.1	22

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55	Glycogen, a major player for bacterial survival and awakening from dormancy. <i>Future Microbiology</i> , 2017, 12, 101-104.	2.0	38
56	Glutamine synthetase stabilizes the binding of GlnR to nitrogen fixation gene operators. <i>FEBS Journal</i> , 2017, 284, 903-918.	4.7	15
57	PII Protein-Derived FRET Sensors for Quantification and Live-Cell Imaging of 2-Oxoglutarate. <i>Scientific Reports</i> , 2017, 7, 1437.	3.3	29
58	Non-classical Protein Excretion Is Boosted by PSM \pm -Induced Cell Leakage. <i>Cell Reports</i> , 2017, 20, 1278-1286.	6.4	68
59	Role of Two Cell Wall Amidases in Septal Junction and Nanopore Formation in the Multicellular Cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 386.	3.9	35
60	Interaction of the Nitrogen Regulatory Protein GlnB (PII) with Biotin Carboxyl Carrier Protein (BCCP) Controls Acetyl-CoA Levels in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2016, 7, 1700.	3.5	45
61	Enabling cell-cell communication via nanopore formation: structure, function and localization of the unique cell wall amidase AmiC2 of <i>Nostoc punctiforme</i> . <i>FEBS Journal</i> , 2016, 283, 1336-1350.	4.7	21
62	Sensory properties of the σ^{II} signalling protein family. <i>FEBS Journal</i> , 2016, 283, 425-437.	4.7	109
63	Awakening of a Dormant Cyanobacterium from Nitrogen Chlorosis Reveals a Genetically Determined Program. <i>Current Biology</i> , 2016, 26, 2862-2872.	3.9	149
64	Septal Junctions in Filamentous Heterocyst-Forming Cyanobacteria. <i>Trends in Microbiology</i> , 2016, 24, 79-82.	7.7	48
65	DNA affinity capturing identifies new regulators of the heterologously expressed novobiocin gene cluster in <i>Streptomyces coelicolor</i> M512. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4495-4509.	3.6	11
66	The Molecular Basis of TnrA Control by Glutamine Synthetase in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 3483-3495.	3.4	27
67	Clear differences in metabolic and morphological adaptations of akinetes of two Nostocales living in different habitats. <i>Microbiology (United Kingdom)</i> , 2016, 162, 214-223.	1.8	39
68	Microbiology Comment. <i>Microbiology (United Kingdom)</i> , 2016, 162, 727-729.	1.8	9
69	Characterization of DNA Binding Sites of RokB, a ROK-Family Regulator from <i>Streptomyces coelicolor</i> Reveals the RokB Regulon. <i>PLoS ONE</i> , 2016, 11, e0153249.	2.5	8
70	Metabolic pathway engineering using the central signal processor PII. <i>Microbial Cell Factories</i> , 2015, 14, 192.	4.0	47
71	Energy Sensing versus 2-Oxoglutarate Dependent ATPase Switch in the Control of <i>Synechococcus</i> PII Interaction with Its Targets NAGK and PipX. <i>PLoS ONE</i> , 2015, 10, e0137114.	2.5	19
72	Nitrogen Starvation Acclimation in <i>Synechococcus elongatus</i> : Redox-Control and the Role of Nitrate Reduction as an Electron Sink. <i>Life</i> , 2015, 5, 888-904.	2.4	34

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73	The Bacterial signal transduction protein <sc>GlnB</sc> regulates the committed step in fatty acid biosynthesis by acting as a dissociable regulatory subunit of acetylâ€<sc>CoA</sc> carboxylase. <i>Molecular Microbiology</i> , 2015, 95, 1025-1035.	2.5	54
74	Phosphoproteome of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 and its dynamics during nitrogen starvation. <i>Frontiers in Microbiology</i> , 2015, 6, 248.	3.5	79
75	Photoautotrophic Polyhydroxybutyrate Granule Formation Is Regulated by Cyanobacterial Phasin PhaP in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4411-4422.	3.1	45
76	Reduction of PII signaling protein enhances lipid body production in <i>Chlamydomonas reinhardtii</i> . <i>Plant Science</i> , 2015, 240, 1-9.	3.6	28
77	Glutamine Assimilation and Feedback Regulation of L-acetyl-N-glutamate Kinase Activity in <i>Chlorella variabilis</i> NC64A Results in Changes in Arginine Pools. <i>Protist</i> , 2015, 166, 493-505.	1.5	12
78	Structural Basis and Target-specific Modulation of ADP Sensing by the <i>Synechococcus elongatus</i> PII Signaling Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 8960-8972.	3.4	57
79	Ammonium tolerance in the cyanobacterium <i>Synechocystis</i> sp. strain <sc>PCC</sc> 6803 and the role of the <sc>psbA</sc> multigene family. <i>Plant, Cell and Environment</i> , 2014, 37, 840-851.	5.7	59
80	Structureâ€function analysis of the ATPâ€driven glycolipid efflux pump DevBCA reveals complex organization with TolC/HgdD. <i>FEBS Letters</i> , 2014, 588, 395-400.	2.8	19
81	A Widespread Glutamine-Sensing Mechanism in the Plant Kingdom. <i>Cell</i> , 2014, 159, 1188-1199.	28.9	127
82	SPR analysis of promoter binding of <i>Synechocystis</i> PCC6803 transcription factors NtcA and CRP suggests crossâ€talk and sheds light on regulation by effector molecules. <i>FEBS Letters</i> , 2014, 588, 2270-2276.	2.8	35
83	Transcription factor TnrA inhibits the biosynthetic activity of glutamine synthetase in <i>Bacillus subtilis</i>. <i>FEBS Letters</i> , 2013, 587, 1293-1298.	2.8	31
84	PII Signal Transduction Protein in <i>Chlamydomonas reinhardtii</i> : Localization and Expression Pattern. <i>Protist</i> , 2013, 164, 49-59.	1.5	27
85	From cyanobacteria to plants: conservation of PII functions during plastid evolution. <i>Planta</i> , 2013, 237, 451-462.	3.2	58
86	Prokaryotic multicellularity: a nanopore array for bacterial cell communication. <i>FASEB Journal</i> , 2013, 27, 2293-2300.	0.5	61
87	Metabolic Changes in <i>Synechocystis</i> PCC6803 upon Nitrogen-Starvation: Excess NADPH Sustains Polyhydroxybutyrate Accumulation. <i>Metabolites</i> , 2013, 3, 101-118.	2.9	87
88	From PII Signaling to Metabolite Sensing: A Novel 2-Oxoglutarate Sensor That Details PII - NAGK Complex Formation. <i>PLoS ONE</i> , 2013, 8, e83181.	2.5	22
89	An engineered PII protein variant that senses a novel ligand: atomic resolution structure of the complex with citrate. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 901-908.	2.5	19
90	Signal-transduction protein PII from <i>Synechococcus elongatus</i> PCC 7942 senses low adenylate energy charge <i>in vitro</i>. <i>Biochemical Journal</i> , 2011, 440, 147-156.	3.7	35

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91	Interaction of the general transcription factor TnrA with the PII-like protein GlnK and glutamine synthetase in <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , 2011, 278, 1779-1789.	4.7	34
92	Novel ATP-driven Pathway of Glycolipid Export Involving TolC Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 38202-38210.	3.4	31
93	Metabolic and Transcriptomic Phenotyping of Inorganic Carbon Acclimation in the Cyanobacterium <i>Synechococcus elongatus</i> PCC 7942. <i>Plant Physiology</i> , 2011, 155, 1640-1655.	4.8	81
94	Requirement of the Nitrogen Starvation-Induced Protein Sll0783 for Polyhydroxybutyrate Accumulation in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6101-6107.	3.1	104
95	DevT (Alr4674), resembling a Ser/Thr protein phosphatase, is essential for heterocyst function in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3544-3555.	1.8	7
96	Mechanism of 2-oxoglutarate signaling by the <i>Synechococcus elongatus</i> P _{II} signal transduction protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19760-19765.	7.1	106
97	Structural basis for the regulation of NtcA-dependent transcription by proteins PipX and PII. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15397-15402.	7.1	116
98	A Novel Signal Transduction Protein PII Variant from <i>Synechococcus elongatus</i> PCC 7942 Indicates a Two-Step Process for NAGK-PII Complex Formation. <i>Journal of Molecular Biology</i> , 2010, 399, 410-421.	4.2	42
99	N-Acetyl-L-Glutamate Kinase (NAGK) from Oxygenic Phototrophs: PII Signal Transduction across Domains of Life Reveals Novel Insights in NAGK Control. <i>Journal of Molecular Biology</i> , 2009, 389, 748-758.	4.2	41
100	PII signal transducers: novel functional and structural insights. <i>Trends in Microbiology</i> , 2008, 16, 65-72.	7.7	192
101	Inactivation of the general transcription factor TnrA in <i>Bacillus subtilis</i> by proteolysis. <i>Microbiology (United Kingdom)</i> , 2008, 154, 2348-2355.	1.8	24
102	The crystal structure of the complex of PII and acetylglutamate kinase reveals how PII controls the storage of nitrogen as arginine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17644-17649.	7.1	113
103	Role of the <i>Synechococcus</i> PCC 7942 nitrogen regulator protein PipX in NtcA-controlled processes. <i>Microbiology (United Kingdom)</i> , 2007, 153, 711-718.	1.8	66
104	Regulatory links between carbon and nitrogen metabolism. <i>Current Opinion in Microbiology</i> , 2006, 9, 167-172.	5.1	171
105	Interaction network in cyanobacterial nitrogen regulation: PipX, a protein that interacts in a 2-oxoglutarate dependent manner with PII and NtcA. <i>Molecular Microbiology</i> , 2006, 61, 457-469.	2.5	149
106	P II -Regulated Arginine Synthesis Controls Accumulation of Cyanophycin in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2006, 188, 2730-2734.	2.2	57
107	Interaction of the Membrane-bound GlnK-AmtB Complex with the Master Regulator of Nitrogen Metabolism TnrA in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 34909-34917.	3.4	74
108	Unique mechanistic features of post-translational regulation of glutamine synthetase activity in <i>Methanosarcina mazei</i> strain GÅ1 in response to nitrogen availability. <i>Molecular Microbiology</i> , 2005, 55, 1841-1854.	2.5	53

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109	Signal Transduction Protein P II Phosphatase PphA Is Required for Light-Dependent Control of Nitrate Utilization in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2005, 187, 6683-6690.	2.2	33
110	Acclimation of unicellular cyanobacteria to macronutrient deficiency: emergence of a complex network of cellular responses. <i>Microbiology (United Kingdom)</i> , 2005, 151, 2503-2514.	1.8	217
111	Complex Formation and Catalytic Activation by the PII Signaling Protein of N-Acetyl-l-glutamate Kinase from <i>Synechococcus elongatus</i> Strain PCC 7942. <i>Journal of Biological Chemistry</i> , 2004, 279, 55202-55210.	3.4	93
112	The <i>Synechococcus elongatus</i> PII signal transduction protein controls arginine synthesis by complex formation with N-acetyl-l-glutamate kinase. <i>Molecular Microbiology</i> , 2004, 52, 1303-1314.	2.5	126
113	Nitrogen Starvation-Induced Chlorosis in <i>Synechococcus</i> PCC 7942. Low-Level Photosynthesis As a Mechanism of Long-Term Survival. <i>Plant Physiology</i> , 2001, 126, 233-243.	4.8	160
114	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 <i>Synechococcus</i> sp. PCC 7942. <i>FEBS Journal</i> , 2000, 267, 591-600.	0.2	70
115	The <i>Synechococcus</i> Strain PCC 7942 glnN Product (Glutamine Synthetase III) Helps Recovery from Prolonged Nitrogen Chlorosis. <i>Journal of Bacteriology</i> , 2000, 182, 5615-5619.	2.2	41
116	Nitrogen-starvation-induced chlorosis in <i>Synechococcus</i> PCC 7942: adaptation to long-term survival. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2449-2458.	1.8	135
117	Characterization of the glnB gene product of <i>Nostoc punctiforme</i> strain ATCC 29133: glnB or the PII protein may be essential. <i>Microbiology (United Kingdom)</i> , 1998, 144, 1537-1547.	1.8	37
118	Cyanophycin: A Nitrogen-Rich Reserve Polymer. , 0, , .		9