

Graeme Price

List of Publications by Year in descending order

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114
papers

11,989
citations

23567

58
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106
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119
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119
docs citations

119
times ranked

7103
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ concentrating mechanisms in cyanobacteria: molecular components, their diversity and evolution. <i>Journal of Experimental Botany</i> , 2003, 54, 609-622.	4.8	679
2	The Role of Carbonic Anhydrase in Photosynthesis. <i>Annual Review of Plant Biology</i> , 1994, 45, 369-392.	14.3	653
3	Advances in understanding the cyanobacterial CO ₂ -concentrating-mechanism (CCM): functional components, Ci transporters, diversity, genetic regulation and prospects for engineering into plants. <i>Journal of Experimental Botany</i> , 2008, 59, 1441-1461.	4.8	545
4	Raising yield potential of wheat. II. Increasing photosynthetic capacity and efficiency. <i>Journal of Experimental Botany</i> , 2011, 62, 453-467.	4.8	511
5	The diversity and coevolution of Rubisco, plastids, pyrenoids, and chloroplast-based CO ₂ -concentrating mechanisms in algae. <i>Canadian Journal of Botany</i> , 1998, 76, 1052-1071.	1.1	449
6	Functions, Compositions, and Evolution of the Two Types of Carboxysomes: Polyhedral Microcompartments That Facilitate CO ₂ Fixation in Cyanobacteria and Some Proteobacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 357-379.	6.6	346
7	Evolution and diversity of CO ₂ concentrating mechanisms in cyanobacteria. <i>Functional Plant Biology</i> , 2002, 29, 161.	2.1	288
8	The environmental plasticity and ecological genomics of the cyanobacterial CO ₂ concentrating mechanism. <i>Journal of Experimental Botany</i> , 2006, 57, 249-265.	4.8	276
9	Identification of a SulP-type bicarbonate transporter in marine cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18228-18233.	7.1	273
10	Expression of Human Carbonic Anhydrase in the Cyanobacterium <i>Synechococcus</i> PCC7942 Creates a High CO ₂ -Requiring Phenotype. <i>Plant Physiology</i> , 1989, 91, 505-513.	4.8	255
11	The diversity and coevolution of Rubisco, plastids, pyrenoids, and chloroplast-based CO ₂ -concentrating mechanisms in algae. <i>Canadian Journal of Botany</i> , 1998, 76, 1052-1071.	1.1	245
12	The CO ₂ concentrating mechanism in cyanobacteria and microalgae. <i>Physiologia Plantarum</i> , 1992, 84, 606-615.	5.2	243
13	Inorganic carbon transporters of the cyanobacterial CO ₂ concentrating mechanism. <i>Photosynthesis Research</i> , 2011, 109, 47-57.	2.9	219
14	Identification of an ATP-binding cassette transporter involved in bicarbonate uptake in the cyanobacterium <i>Synechococcus</i> sp. strain PCC 7942. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13571-13576.	7.1	217
15	Association of Carbonic Anhydrase Activity with Carboxysomes Isolated from the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Plant Physiology</i> , 1992, 100, 784-793.	4.8	210
16	Specific reduction of chloroplast carbonic anhydrase activity by antisense RNA in transgenic tobacco plants has a minor effect on photosynthetic CO ₂ assimilation. <i>Planta</i> , 1994, 193, 331-340.	3.2	197
17	Carboxysome encapsulation of the CO ₂ -fixing enzyme Rubisco in tobacco chloroplasts. <i>Nature Communications</i> , 2018, 9, 3570.	12.8	196
18	Fatty acid profiling of <i>Chlamydomonas reinhardtii</i> under nitrogen deprivation. <i>Bioresource Technology</i> , 2011, 102, 3343-3351.	9.6	184

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19	Isolation and Characterization of High CO ₂ -Requiring Mutants of the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Plant Physiology</i> , 1989, 91, 514-525.	4.8	178
20	The cyanobacterial CCM as a source of genes for improving photosynthetic CO ₂ fixation in crop species. <i>Journal of Experimental Botany</i> , 2013, 64, 753-768.	4.8	178
21	Analysis of a genomic DNA region from the cyanobacterium <i>Synechococcus</i> sp. strain PCC7942 involved in carboxysome assembly and function. <i>Journal of Bacteriology</i> , 1993, 175, 2871-2879.	2.2	175
22	Novel gene products associated with NdhD3/D4-containing NDH-1 complexes are involved in photosynthetic CO ₂ hydration in the cyanobacterium, <i>Synechococcus</i> sp. PCC7942. <i>Molecular Microbiology</i> , 2002, 43, 425-435.	2.5	175
23	Analysis of Carboxysomes from <i>Synechococcus</i> PCC7942 Reveals Multiple Rubisco Complexes with Carboxysomal Proteins CcmM and CcaA. <i>Journal of Biological Chemistry</i> , 2007, 282, 29323-29335.	3.4	173
24	The functioning of the CO ₂ concentrating mechanism in several cyanobacterial strains: a review of general physiological characteristics, genes, proteins, and recent advances. <i>Canadian Journal of Botany</i> , 1998, 76, 973-1002.	1.1	171
25	Modes of active inorganic carbon uptake in the cyanobacterium, <i>Synechococcus</i> sp. PCC7942. <i>Functional Plant Biology</i> , 2002, 29, 131.	2.1	145
26	The Roles of ATP Synthase and the Cytochrome <i>b</i> $\text{Å}6$ Complexes in Limiting Chloroplast Electron Transport and Determining Photosynthetic Capacity Å Å . <i>Plant Physiology</i> , 2011, 155, 956-962.	4.8	144
27	Carbonic Anhydrase Activity Associated with the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Plant Physiology</i> , 1989, 89, 51-60.	4.8	143
28	A dicarboxylate transporter on the peribacteroid membrane of soybean nodules. <i>FEBS Letters</i> , 1988, 231, 36-40.	2.8	141
29	Specific reduction of chloroplast glyceraldehyde-3-phosphate dehydrogenase activity by antisense RNA reduces CO ₂ assimilation via a reduction in ribulose biphosphate regeneration in transgenic tobacco plants. <i>Planta</i> , 1995, 195, 369-378.	3.2	135
30	Inorganic Carbon Limitation and Light Control the Expression of Transcripts Related to the CO ₂ -Concentrating Mechanism in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC6803. <i>Plant Physiology</i> , 2003, 132, 218-229.	4.8	125
31	The Prospect of Using Cyanobacterial Bicarbonate Transporters to Improve Leaf Photosynthesis in C ₃ Crop Plants. <i>Plant Physiology</i> , 2011, 155, 20-26.	4.8	117
32	The Contribution of Photosynthesis to the Red Light Response of Stomatal Conductance. <i>Plant Physiology</i> , 2008, 146, 323-324.	4.8	114
33	Evidence for the role of carboxysomes in the cyanobacterial CO ₂ -concentrating mechanism. <i>Canadian Journal of Botany</i> , 1991, 69, 963-973.	1.1	104
34	Mutation of <i>ndh</i> Genes Leads to Inhibition of CO ₂ Uptake Rather than HCO ₃ ⁻ Uptake in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2000, 182, 2591-2596.	2.2	104
35	Inorganic Carbon Limitation Induces Transcripts Encoding Components of the CO ₂ -Concentrating Mechanism in <i>Synechococcus</i> sp. PCC7942 through a Redox-Independent Pathway. <i>Plant Physiology</i> , 2003, 133, 2069-2080.	4.8	104
36	Functional Cyanobacterial Å^2 -Carboxysomes Have an Absolute Requirement for Both Long and Short Forms of the CcmM Protein Å Å . <i>Plant Physiology</i> , 2010, 153, 285-293.	4.8	103

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37	The involvement of NAD(P)H dehydrogenase subunits, NdhD3 and NdhF3, in high-affinity CO ₂ uptake in <i>Synechococcus</i> sp. PCC7002 gives evidence for multiple NDH-1 complexes with specific roles in cyanobacteria. <i>Molecular Microbiology</i> , 1999, 32, 1305-1315.	2.5	102
38	The Role of Chloroplast Electron Transport and Metabolites in Modulating Rubisco Activity in Tobacco. Insights from Transgenic Plants with Reduced Amounts of Cytochrome b/fComplex or Glyceraldehyde 3-Phosphate Dehydrogenase. <i>Plant Physiology</i> , 2000, 122, 491-504.	4.8	101
39	Progress and challenges of engineering a biophysical CO ₂ -concentrating mechanism into higher plants. <i>Journal of Experimental Botany</i> , 2017, 68, 3717-3737.	4.8	101
40	Ethoxycarbonyl Inhibition of CO ₂ Uptake in the Cyanobacterium <i>Synechococcus</i> PCC7942 without Apparent Inhibition of Internal Carbonic Anhydrase Activity. <i>Plant Physiology</i> , 1989, 89, 37-43.	4.8	99
41	Cyanobacterial CO ₂ -concentrating mechanism components: function and prospects for plant metabolic engineering. <i>Current Opinion in Plant Biology</i> , 2016, 31, 1-8.	7.1	90
42	Isolation of a Putative Carboxysomal Carbonic Anhydrase Gene from the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Plant Physiology</i> , 1992, 100, 794-800.	4.8	87
43	Transcriptional Regulation of the CO ₂ -Concentrating Mechanism in a Euryhaline, Coastal Marine Cyanobacterium, <i>Synechococcus</i> sp. Strain PCC 7002: Role of NdhR/CcmR. <i>Journal of Bacteriology</i> , 2007, 189, 3335-3347.	2.2	85
44	The CO ₂ concentrating mechanism in cyanobacteria and microalgae. <i>Physiologia Plantarum</i> , 1992, 84, 606-615.	5.2	84
45	ISOLATION OF ccmKLMN GENES FROM THE MARINE CYANOBACTERIUM, <i>SYNECHOCOCCUS</i> SP. PCC7002 (CYANOPHYCEAE), AND EVIDENCE THAT CcmM IS ESSENTIAL FOR CARBOXYSOME ASSEMBLY. <i>Journal of Phycology</i> , 2000, 36, 1109-1119.	2.3	83
46	Comparing the in Vivo Function of $\hat{1}\pm$ -Carboxysomes and $\hat{1}^2$ -Carboxysomes in Two Model Cyanobacteria. <i>Plant Physiology</i> , 2014, 165, 398-411.	4.8	81
47	Carbonic anhydrase and C ₄ photosynthesis: a transgenic analysis. <i>Plant, Cell and Environment</i> , 2004, 27, 697-703.	5.7	79
48	Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Activase Deficiency Delays Senescence of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase but Progressively Impairs Its Catalysis during Tobacco Leaf Development. <i>Plant Physiology</i> , 1997, 115, 1569-1580.	4.8	78
49	Structural Determinants of the Outer Shell of $\hat{1}^2$ -Carboxysomes in <i>Synechococcus elongatus</i> PCC 7942: Roles for CcmK2, K3-K4, CcmO, and CcmL. <i>PLoS ONE</i> , 2012, 7, e43871.	2.5	78
50	Cyanobacterial Carboxysomes: Microcompartments that Facilitate CO ₂ Fixation. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013, 23, 300-307.	1.0	78
51	Sensing of Inorganic Carbon Limitation in <i>Synechococcus</i> PCC7942 Is Correlated with the Size of the Internal Inorganic Carbon Pool and Involves Oxygen. <i>Plant Physiology</i> , 2005, 139, 1959-1969.	4.8	77
52	The interplay between limiting processes in C ₃ photosynthesis studied by rapid-response gas exchange using transgenic tobacco impaired in photosynthesis. <i>Functional Plant Biology</i> , 1998, 25, 859.	2.1	68
53	Characterisation of Cyanobacterial Bicarbonate Transporters in <i>E. coli</i> Shows that SbtA Homologs Are Functional in This Heterologous Expression System. <i>PLoS ONE</i> , 2014, 9, e115905.	2.5	68
54	Involvement of Plasmalemmasomes and Carbonic Anhydrase in Photosynthetic Utilization of Bicarbonate in <i>Chara corallina</i> . <i>Functional Plant Biology</i> , 1985, 12, 241.	2.1	65

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55	Fast Induction of High-Affinity HCO ₃ ²⁻ Transport in Cyanobacteria. <i>Plant Physiology</i> , 1998, 116, 183-192.	4.8	62
56	RbcX Can Function as a Rubisco Chaperonin, But is Non-Essential in <i>Synechococcus</i> PCC7942. <i>Plant and Cell Physiology</i> , 2006, 47, 1630-1640.	3.1	62
57	Rapid Isolation of Intact Peribacteroid Envelopes from Soybean Nodules and Demonstration of Selective Permeability to Metabolites. <i>Journal of Plant Physiology</i> , 1987, 130, 157-164.	3.5	61
58	Bicarbonate Binding Activity of the CmpA Protein of the Cyanobacterium <i>Synechococcus</i> sp. strain PCC 7942 Involved in Active Transport of Bicarbonate. <i>Journal of Biological Chemistry</i> , 2000, 275, 20551-20555.	3.4	61
59	Photosynthesis is strongly reduced by antisense suppression of chloroplastic cytochrome b ₆ complex in transgenic tobacco. <i>Functional Plant Biology</i> , 1998, 25, 445.	2.1	60
60	Over-expression of the $\hat{\Gamma}^2$ -carboxysomal CcmM protein in <i>Synechococcus</i> PCC7942 reveals a tight co-regulation of carboxysomal carbonic anhydrase (CcaA) and M58 content. <i>Photosynthesis Research</i> , 2011, 109, 33-45.	2.9	60
61	Temperature modulation of fatty acid profiles for biofuel production in nitrogen deprived <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2013, 127, 441-447.	9.6	60
62	The functioning of the CO ₂ concentrating mechanism in several cyanobacterial strains: a review of general physiological characteristics, genes, proteins, and recent advances. <i>Canadian Journal of Botany</i> , 1998, 76, 973-1002.	1.1	58
63	Membrane Interface of the <i>Bradyrhizobium japonicum</i> - <i>Glycine max</i> Symbiosis: Peribacteroid Units From Soyabean Nodules. <i>Functional Plant Biology</i> , 1989, 16, 69.	2.1	57
64	Redirecting the Cyanobacterial Bicarbonate Transporters BicA and SbtA to the Chloroplast Envelope: Soluble and Membrane Cargos Need Different Chloroplast Targeting Signals in Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 185.	3.6	54
65	Membrane topology of the cyanobacterial bicarbonate transporter, BicA, a member of the SulP (SLC26A) family. <i>Molecular Membrane Biology</i> , 2010, 27, 12-22.	2.0	52
66	Ethoxzolamide Inhibition of CO ₂ -Dependent Photosynthesis in the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Plant Physiology</i> , 1989, 89, 44-50.	4.8	50
67	Cloning of an Additional cDNA for the Alternative Oxidase in Tobacco. <i>Plant Physiology</i> , 1995, 107, 1469-1470.	4.8	50
68	Expression of Tobacco Carbonic Anhydrase in the C ₄ Dicot <i>Flaveria bidentis</i> Leads to Increased Leakiness of the Bundle Sheath and a Defective CO ₂ -Concentrating Mechanism. <i>Plant Physiology</i> , 1998, 117, 1071-1081.	4.8	49
69	Bicarbonate-mediated transcriptional activation of divergent operons by the virulence regulatory protein, RegA, from <i>Citrobacter rodentium</i> . <i>Molecular Microbiology</i> , 2008, 68, 314-327.	2.5	48
70	Chloroplast Cytochrome b ₆ /f and ATP Synthase Complexes in Tobacco: Transformation With Antisense RNA Against Nuclear-Encoded Transcripts for the Rieske FeS and ATP γ Polypeptides. <i>Functional Plant Biology</i> , 1995, 22, 285.	2.1	47
71	Characterisation of carbon dioxide and bicarbonate transport during steady-state photosynthesis in the marine cyanobacterium <i>Synechococcus</i> strain PCC7002. <i>Planta</i> , 1995, 197, 597.	3.2	47
72	Title is missing!. <i>Photosynthesis Research</i> , 1997, 53, 215-227.	2.9	46

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73	Cloning and expression of a prokaryotic sucrose-phosphate synthase gene from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Molecular Biology</i> , 1999, 40, 297-305.	3.9	46
74	Transplastomic integration of a cyanobacterial bicarbonate transporter into tobacco chloroplasts. <i>Journal of Experimental Botany</i> , 2014, 65, 3071-3080.	4.8	44
75	Inhibition by Proton Buffers of Photosynthetic Utilization of Bicarbonate in <i>Chara corallina</i> . <i>Functional Plant Biology</i> , 1985, 12, 257.	2.1	44
76	Proteomic assessment of an established technique for carboxysome enrichment from <i>Synechococcus</i> PCC7942. <i>Canadian Journal of Botany</i> , 2005, 83, 746-757.	1.1	39
77	The CO ₂ -concentrating mechanism of <i>Synechococcus</i> WH5701 is composed of native and horizontally-acquired components. <i>Photosynthesis Research</i> , 2011, 109, 59-72.	2.9	38
78	Rubisco proton production can drive the elevation of CO ₂ within condensates and carboxysomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	38
79	Cytochemical localisation of ATPase activity on the plasmalemma of <i>Chara corallina</i> . <i>Protoplasma</i> , 1983, 116, 65-74.	2.1	37
80	The cyanobacterial bicarbonate transporter BicA: its physiological role and the implications of structural similarities with human SLC26 transporters This paper is one of a selection of papers published in a Special Issue entitled CSBMCB 53rd Annual Meeting " Membrane Proteins in Health and Disease, and has undergone the Journal's usual peer review process.. <i>Biochemistry and Cell Biology</i> , 2011, 89, 178-188.	2.0	36
81	High light enhances the expression of low-CO ₂ -inducible transcripts involved in the CO ₂ -concentrating mechanism in <i>Synechocystis</i> sp. PCC6803. <i>Plant, Cell and Environment</i> , 2004, 27, 615-626.	5.7	35
82	Isolation and oxidative properties of mitochondria and bacteroids from soybean root nodules. <i>Protoplasma</i> , 1986, 134, 121-129.	2.1	33
83	Identification and characterization of a carboxysomal ¹³ C-carbonic anhydrase from the cyanobacterium <i>Nostoc</i> sp. PCC 7120. <i>Photosynthesis Research</i> , 2014, 121, 135-150.	2.9	33
84	Incorporation of Functional Rubisco Activases into Engineered Carboxysomes to Enhance Carbon Fixation. <i>ACS Synthetic Biology</i> , 2022, 11, 154-161.	3.8	33
85	Structure of Nodules Formed by <i>Rhizobium</i> Strain ANU289 in the Nonlegume <i>Parasponia</i> and the Legume <i>Siratro</i> (<i>Macroptilium atropurpureum</i>). <i>Botanical Gazette</i> , 1984, 145, 444-451.	0.6	32
86	Reduced levels of cytochrome b 6/f in transgenic tobacco increases the excitation pressure on Photosystem II without increasing sensitivity to photoinhibition in vivo. <i>Photosynthesis Research</i> , 1996, 50, 159-169.	2.9	32
87	Characterisation of CO ₂ and HCO ₃ ⁻ uptake in the cyanobacterium <i>Synechocystis</i> sp. PCC6803. <i>Photosynthesis Research</i> , 2003, 77, 117-126.	2.9	30
88	Measuring CO ₂ and HCO ₃ ⁻ permeabilities of isolated chloroplasts using a MIMS-18O approach. <i>Journal of Experimental Botany</i> , 2017, 68, 3915-3924.	4.8	28
89	Advances in understanding how aquatic photosynthetic organisms utilize sources of dissolved inorganic carbon for CO ₂ fixation. <i>Functional Plant Biology</i> , 2002, 29, 117.	2.1	27
90	Structural Basis for the Allosteric Regulation of the SbtA Bicarbonate Transporter by the P _{II} -like Protein, SbtB, from <i>Cyanobium</i> sp. PCC7001. <i>Biochemistry</i> , 2019, 58, 5030-5039.	2.5	27

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91	Carbon Oxysulfide Is an Inhibitor of Both CO ₂ and HCO ₃ ⁻ Uptake in the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Plant Physiology</i> , 1990, 94, 35-39.	4.8	26
92	Selection and analysis of mutants of the CO ₂ -concentrating mechanism in cyanobacteria. <i>Canadian Journal of Botany</i> , 1991, 69, 974-983.	1.1	26
93	Membrane topology of the cyanobacterial bicarbonate transporter, SbtA, and identification of potential regulatory loops. <i>Molecular Membrane Biology</i> , 2011, 28, 265-275.	2.0	26
94	Identification and characterization of a solute carrier, CIA8, involved in inorganic carbon acclimation in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 3879-3890.	4.8	26
95	PsaE- and NdhF-mediated electron transport affect bicarbonate transport rather than carbon dioxide uptake in the cyanobacterium <i>Synechococcus</i> sp. PCC7002. <i>Planta</i> , 1997, 201, 36-42.	3.2	25
96	Retinal mosaics of the principal eyes of some jumping spiders (Salticidae: Araneae): Adaptations for high visual acuity. <i>Protoplasma</i> , 1984, 120, 172-184.	2.1	24
97	Characterisation of CO ₂ and HCO ₃ ⁻ Uptake during Steady-state Photosynthesis in the Cyanobacterium <i>Synechococcus</i> PCC7942 Steady-state Photosynthesis in the Cyanobacterium <i>Synechococcus</i> PCC7942. <i>Functional Plant Biology</i> , 1994, 21, 185.	2.1	24
98	Towards turbocharged photosynthesis. <i>Nature</i> , 2014, 513, 497-498.	27.8	23
99	Protein phosphorylation and its possible involvement in the induction of the high-affinity CO ₂ concentrating mechanism in cyanobacteria. <i>Canadian Journal of Botany</i> , 1998, 76, 954-961.	1.1	18
100	Random Insertional Mutagenesis Used in the Generation of Mutants of the Marine Cyanobacterium <i>Synechococcus</i> sp. Strain PCC7002 With an Impaired CO ₂ Concentrating Mechanism. <i>Functional Plant Biology</i> , 1997, 24, 317.	2.1	17
101	Effects of iron limitation on silicon uptake kinetics and elemental stoichiometry in two Southern Ocean diatoms, <i>Eucampia antarctica</i> and <i>Proboscia inermis</i> , and the temperate diatom <i>Thalassiosira pseudonana</i> . <i>Limnology and Oceanography</i> , 2017, 62, 2445-2462.	3.1	15
102	Regulation of cyanobacterial CO ₂ -concentrating mechanisms through transcriptional induction of high-affinity Ci-transport systems. <i>Canadian Journal of Botany</i> , 2005, 83, 698-710.	1.1	14
103	ASYNECHOCOCCUS PCC7942 \hat{P} CCMM (CYANOPHYCEAE) MUTANT PSEUDOREVERTS TO AIR GROWTH WITHOUT REGAINING CARBOXYSOMES. <i>Journal of Phycology</i> , 2006, 42, 769-777.	2.3	14
104	Engineered Accumulation of Bicarbonate in Plant Chloroplasts: Known Knowns and Known Unknowns. <i>Frontiers in Plant Science</i> , 2021, 12, 727118.	3.6	13
105	Topology mapping to characterize cyanobacterial bicarbonate transporters: BicA (SulP/SLC26 family) and SbtA. <i>Molecular Membrane Biology</i> , 2014, 31, 177-182.	2.0	10
106	Nitrogen-Regulated Hypermutator Strain of <i>Synechococcus</i> sp. for Use in In Vivo Artificial Evolution. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6427-6433.	3.1	8
107	Xanthophyll cycle, light energy dissipation and electron transport in transgenic tobacco with reduced carbon assimilation capacity. <i>Functional Plant Biology</i> , 2000, 27, 289.	2.1	8
108	Modeling and mutagenesis of amino acid residues critical for CO ₂ hydration by specialized NDH-1 complexes in cyanobacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148503.	1.0	8

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109	Protein phosphorylation and its possible involvement in the induction of the high-affinity CO ₂ concentrating mechanism in cyanobacteria. Canadian Journal of Botany, 1998, 76, 954-961.	1.1	7
110	Cloning, Analysis and Inactivation of the <i>hkbK</i> Gene Encoding a Subunit of NADH Quinone Oxidoreductase from <i>Anabaena</i> PCC 7120. FEBS Journal, 1996, 240, 173-180.	0.2	6
111	DABs accumulate bicarbonate. Nature Microbiology, 2019, 4, 2029-2030.	13.3	4
112	Inorganic Carbon Limitation and Light Control the Expression of Transcripts Related to the CO ₂ -Concentrating Mechanism in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC6803. Plant Physiology, 2003, 132, 218-229.	4.8	4
113	Thermoprotective properties of small heat shock proteins from rice, tomato and <i>Synechocystis</i> sp. PCC6803 overexpressed in, and isolated from, <i>Escherichia coli</i> . Functional Plant Biology, 2001, 28, 1219.	2.1	1
114	The Effects of Antisense Suppression of $\hat{\gamma}$ Subunit of Chloroplast ATP Synthase on the Rates of Chloroplast Electron Transport and CO ₂ Assimilation in Transgenic Tobacco. Advanced Topics in Science and Technology in China, 2013, , 773-776.	0.1	0