

Aaron Kaplan

List of Publications by Year in descending order

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156
papers

12,296
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28190

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106
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all docs

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docs citations

160
times ranked

8524
citing authors

#	ARTICLE	IF	CITATIONS
1	Keep your friends close and your competitors closer: novel interspecies interaction in desert biological sand crusts. <i>Phycologia</i> , 2021, 60, 419-426.	0.6	12
2	Reading and surviving the harsh conditions in desert biological soil crust: the cyanobacterial viewpoint. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	3.9	22
3	The Microbiome Associated with the Reef Builder <i>Neogoniolithon</i> sp. in the Eastern Mediterranean. <i>Microorganisms</i> , 2021, 9, 1374.	1.6	3
4	Cyanobacterial Harmful Algal Blooms in Aquatic Ecosystems: A Comprehensive Outlook on Current and Emerging Mitigation and Control Approaches. <i>Microorganisms</i> , 2021, 9, 1472.	1.6	72
5	Reviewing Interspecies Interactions as a Driving Force Affecting the Community Structure in Lakes via Cyanotoxins. <i>Microorganisms</i> , 2021, 9, 1583.	1.6	11
6	Cryo-EM photosystem I structure reveals adaptation mechanisms to extreme high light in <i>Chlorella ohadii</i> . <i>Nature Plants</i> , 2021, 7, 1314-1322.	4.7	18
7	Juggling Lightning: How <i>Chlorella ohadii</i> handles extreme energy inputs without damage. <i>Photosynthesis Research</i> , 2021, 147, 329-344.	1.6	11
8	Can Alkyl Quaternary Ammonium Cations Substitute H ₂ O ₂ in Controlling Cyanobacterial Blooms? Laboratory and Mesocosm Studies. <i>Microorganisms</i> , 2021, 9, 2258.	1.6	4
9	Acclimation of a rocky shore algal reef builder <i>Neogoniolithon</i> sp. to changing illuminations. <i>Limnology and Oceanography</i> , 2020, 65, 27-36.	1.6	5
10	Is the Structure of the CO ₂ -Hydrating Complex I Compatible with the Cyanobacterial CO ₂ -Concentrating Mechanism?. <i>Plant Physiology</i> , 2020, 183, 460-463.	2.3	7
11	The response of <i>Microcystis aeruginosa</i> strain MGK to a single or two consecutive H ₂ O ₂ applications. <i>Environmental Microbiology Reports</i> , 2019, 11, 621-629.	1.0	14
12	Secondary Metabolites of <i>Aeromonas veronii</i> Strain A134 Isolated from a <i>Microcystis aeruginosa</i> Bloom. <i>Metabolites</i> , 2019, 9, 110.	1.3	9
13	Desert cyanobacteria prepare in advance for dehydration and rewetting: The role of light and temperature sensing. <i>Molecular Ecology</i> , 2019, 28, 2305-2320.	2.0	31
14	Increased algicidal activity of <i>Aeromonas veronii</i> in response to <i>Microcystis aeruginosa</i> : interspecies crosstalk and secondary metabolites synergism. <i>Environmental Microbiology</i> , 2019, 21, 1140-1150.	1.8	20
15	A thylakoid-located carbonic anhydrase regulates CO ₂ uptake in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>New Phytologist</i> , 2019, 222, 206-217.	3.5	25
16	The intracellular distribution of inorganic carbon fixing enzymes does not support the presence of a C ₄ pathway in the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2018, 137, 263-280.	1.6	39
17	Development of the polysaccharidic matrix in biocrusts induced by a cyanobacterium inoculated in sand microcosms. <i>Biology and Fertility of Soils</i> , 2018, 54, 27-40.	2.3	72
18	The <i>Synechocystis</i> sp. PCC 6803 Genome Encodes Up to Four 2-Phosphoglycolate Phosphatases. <i>Frontiers in Plant Science</i> , 2018, 9, 1718.	1.7	7

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19	The potential of the cyanobacterium <i>Leptolyngbya ohadii</i> as inoculum for stabilizing bare sandy substrates. <i>Soil Biology and Biochemistry</i> , 2018, 127, 318-328.	4.2	61
20	Cyanobacterial populations in biological soil crusts of the northwest Negev Desert, Israel – effects of local conditions and disturbance. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw228.	1.3	13
21	Dawn illumination prepares desert cyanobacteria for dehydration. <i>Current Biology</i> , 2017, 27, R1056-R1057.	1.8	32
22	Photosystem II-cyclic electron flow powers exceptional photoprotection and record growth in the microalga <i>Chlorella ohadii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 873-883.	0.5	40
23	Metabolic Flexibility Underpins Growth Capabilities of the Fastest Growing Alga. <i>Current Biology</i> , 2017, 27, 2559-2567.e3.	1.8	34
24	What distinguishes cyanobacteria able to revive after desiccation from those that cannot: the genome aspect. <i>Environmental Microbiology</i> , 2017, 19, 535-550.	1.8	49
25	On the cradle of CCM research: discovery, development, and challenges ahead. <i>Journal of Experimental Botany</i> , 2017, 68, 3785-3796.	2.4	15
26	Simulated soil crust conditions in a chamber system provide new insights on cyanobacterial acclimation to desiccation. <i>Environmental Microbiology</i> , 2016, 18, 414-426.	1.8	33
27	The mechanisms whereby the green alga <i>Chlorella ohadii</i> , isolated from desert soil crust, exhibits unparalleled photodamage resistance. <i>New Phytologist</i> , 2016, 210, 1229-1243.	3.5	74
28	Cyanobacterial secondary metabolites mediate interspecies/intraspecies communication in the water body. <i>Environmental Microbiology</i> , 2016, 18, 305-306.	1.8	7
29	Local optionality with partial orders. <i>Phonology</i> , 2016, 33, 285-324.	0.3	3
30	CyAbrB2 Contributes to the Transcriptional Regulation of Low CO ₂ Acclimation in <i>Synechocystis</i> sp. PCC 6803. <i>Plant and Cell Physiology</i> , 2016, 57, 2232-2243.	1.5	37
31	Cyanophages: Starving the Host to Recruit Resources. <i>Current Biology</i> , 2016, 26, R511-R513.	1.8	8
32	Towards clarifying what distinguishes cyanobacteria able to resurrect after desiccation from those that cannot: The photosynthetic aspect. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 715-722.	0.5	40
33	Three-dimensional structure and cyanobacterial activity within a desert biological soil crust. <i>Environmental Microbiology</i> , 2016, 18, 372-383.	1.8	48
34	Regulation of CO ₂ Concentrating Mechanism in Cyanobacteria. <i>Life</i> , 2015, 5, 348-371.	1.1	152
35	Long-Term Changes in Cyanobacteria Populations in Lake Kinneret (Sea of Galilee), Israel: An Eco-Physiological Outlook. <i>Life</i> , 2015, 5, 418-431.	1.1	25
36	Does 2-phosphoglycolate serve as an internal signal molecule of inorganic carbon deprivation in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803?. <i>Environmental Microbiology</i> , 2015, 17, 1794-1804.	1.8	27

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37	Cyanobacterial Diversity in Biological Soil Crusts along a Precipitation Gradient, Northwest Negev Desert, Israel. <i>Microbial Ecology</i> , 2015, 70, 219-230.	1.4	62
38	An easily reversible structural change underlies mechanisms enabling desert crust cyanobacteria to survive desiccation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1267-1273.	0.5	45
39	Dehydroascorbate: a possible surveillance molecule of oxidative stress and programmed cell death in the green alga <i>Chlamydomonas reinhardtii</i> . <i>New Phytologist</i> , 2014, 202, 471-484.	3.5	59
40	Cyanobacteria. , 2014, , 213-226.		4
41	Interactions between <i>Senedesmus</i> and <i>Microcystis</i> may be used to clarify the role of secondary metabolites. <i>Environmental Microbiology Reports</i> , 2013, 5, 97-104.	1.0	22
42	A newly isolated <i>Chlorella</i> sp. from desert sand crusts exhibits a unique resistance to excess light intensity. <i>FEMS Microbiology Ecology</i> , 2013, 86, 373-380.	1.3	63
43	The role of <i>C4</i> metabolism in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>New Phytologist</i> , 2013, 197, 177-185.	3.5	83
44	The Languages Spoken in the Water Body (or the Biological Role of Cyanobacterial Toxins). <i>Frontiers in Microbiology</i> , 2012, 3, 138.	1.5	90
45	The Uptake of CO ₂ by Cyanobacteria and Microalgae. <i>Advances in Photosynthesis and Respiration</i> , 2012, , 625-650.	1.0	14
46	Invasion of Nostocales (cyanobacteria) to Subtropical and Temperate Freshwater Lakes – Physiological, Regional, and Global Driving Forces. <i>Frontiers in Microbiology</i> , 2012, 3, 86.	1.5	183
47	Appearance and establishment of diazotrophic cyanobacteria in Lake Kinneret, Israel. <i>Freshwater Biology</i> , 2012, 57, 1214-1227.	1.2	34
48	Casting a net: fibres produced by <i>Microcystis</i> sp. in field and laboratory populations. <i>Environmental Microbiology Reports</i> , 2012, 4, 342-349.	1.0	9
49	Multiannual variations in phytoplankton populations: what distinguished the blooms of <i>Aphanizomenon ovalisporum</i> in Lake Kinneret in 2010 from 2009?. <i>Environmental Microbiology Reports</i> , 2012, 4, 498-503.	1.0	11
50	The Cyanobacterial Hepatotoxin Microcystin Binds to Proteins and Increases the Fitness of <i>Microcystis</i> under Oxidative Stress Conditions. <i>PLoS ONE</i> , 2011, 6, e17615.	1.1	367
51	Photoinactivation of photosystem II: is there more than one way to skin a cat?. <i>Physiologia Plantarum</i> , 2011, 142, 79-86.	2.6	53
52	Crosstalk between photomixotrophic growth and CO ₂ concentrating mechanism in <i>Synechocystis</i> sp. strain PCC 6803. <i>Environmental Microbiology</i> , 2011, 13, 1767-1777.	1.8	17
53	Experimental validation of a nonequilibrium model of CO ₂ fluxes between gas, liquid medium, and algae in a flat-panel photobioreactor. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 1319-1326.	1.4	22
54	Enrichment of oxygen heavy isotopes during photosynthesis in phytoplankton. <i>Photosynthesis Research</i> , 2010, 103, 97-103.	1.6	62

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55	Enslavement in the Water Body by Toxic <i>Aphanizomenon ovalisporum</i> , Inducing Alkaline Phosphatase in Phytoplanktons. <i>Current Biology</i> , 2010, 20, 1557-1561.	1.8	151
56	Light-Induced Changes within Photosystem II Protects <i>Microcoleus</i> sp. in Biological Desert Sand Crusts against Excess Light. <i>PLoS ONE</i> , 2010, 5, e11000.	1.1	62
57	Photorespiratory 2-phosphoglycolate metabolism and photoreduction of O ₂ cooperate in high-light acclimation of <i>Synechocystis</i> sp. strain PCC 6803. <i>Planta</i> , 2009, 230, 625-637.	1.6	49
58	A cyanobacterial AbrB-like protein affects the apparent photosynthetic affinity for CO ₂ by modulating low-CO ₂ -induced gene expression. <i>Environmental Microbiology</i> , 2009, 11, 927-936.	1.8	80
59	Paradoxically, prior acquisition of antioxidant activity enhances oxidative stress-induced cell death. <i>Environmental Microbiology</i> , 2009, 11, 2301-2309.	1.8	33
60	The <i>Phaeodactylum</i> genome reveals the evolutionary history of diatom genomes. <i>Nature</i> , 2008, 456, 239-244.	13.7	1,458
61	An AbrB-like protein might be involved in the regulation of cylindrospermopsin production by <i>Aphanizomenon ovalisporum</i> . <i>Environmental Microbiology</i> , 2008, 10, 988-999.	1.8	51
62	Changes in the photosynthetic reaction centre II in the diatom <i>Phaeodactylum tricornutum</i> result in non-photochemical fluorescence quenching. <i>Environmental Microbiology</i> , 2008, 10, 1997-2007.	1.8	54
63	A Model for Carbohydrate Metabolism in the Diatom <i>Phaeodactylum tricornutum</i> Deduced from Comparative Whole Genome Analysis. <i>PLoS ONE</i> , 2008, 3, e1426.	1.1	394
64	Acidification and CO ₂ production in the boundary layer during photosynthesis in <i>Ulva rigida</i> (Chlorophyta) <i>C. Agardh</i> . <i>Israel Journal of Plant Sciences</i> , 2008, 56, 55-60.	0.3	6
65	Acceleration of Cardiovascular Disease by a Dysfunctional Prostacyclin Receptor Mutation. <i>Circulation Research</i> , 2008, 102, 986-993.	2.0	112
66	The photorespiratory glycolate metabolism is essential for cyanobacteria and might have been conveyed endosymbiotically to plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17199-17204.	3.3	260
67	The kinetic properties of ribulose-1,5-bisphosphate carboxylase/oxygenase may explain the high apparent photosynthetic affinity of <i>Nannochloropsis</i> sp. to ambient inorganic carbon. <i>Israel Journal of Plant Sciences</i> , 2008, 56, 37-44.	0.3	12
68	Thylakoid membrane perforations and connectivity enable intracellular traffic in cyanobacteria. <i>EMBO Journal</i> , 2007, 26, 1467-1473.	3.5	130
69	Synchronization of cell death in a dinoflagellate population is mediated by an excreted thiol protease. <i>Environmental Microbiology</i> , 2007, 9, 360-369.	1.8	64
70	Towards clarification of the biological role of microcystins, a family of cyanobacterial toxins. <i>Environmental Microbiology</i> , 2007, 9, 965-970.	1.8	187
71	Toxins and Biologically Active Secondary Metabolites of <i>Microcystis</i> sp. isolated from Lake Kinneret. <i>Israel Journal of Chemistry</i> , 2006, 46, 79-87.	1.0	39
72	A putative sensor kinase, Hik31, is involved in the response of <i>Synechocystis</i> sp. strain PCC 6803 to the presence of glucose. <i>Microbiology (United Kingdom)</i> , 2006, 152, 647-655.	0.7	51

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73	The Plant-Like C2 Glycolate Cycle and the Bacterial-Like Glycerate Pathway Cooperate in Phosphoglycolate Metabolism in Cyanobacteria. <i>Plant Physiology</i> , 2006, 142, 333-342.	2.3	133
74	Fractionation of the Three Stable Oxygen Isotopes by Oxygen-Producing and Oxygen-Consuming Reactions in Photosynthetic Organisms. <i>Plant Physiology</i> , 2005, 138, 2292-2298.	2.3	140
75	Ecological implications of the emergence of non-toxic subcultures from toxic <i>Microcystis</i> strains. <i>Environmental Microbiology</i> , 2005, 7, 798-805.	1.8	62
76	Inactivation of photosynthetic electron flow during desiccation of desert biological sand crusts and <i>Microcoleus</i> sp.-enriched isolates. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 977.	1.6	26
77	Activation of Photosynthesis and Resistance to Photoinhibition in Cyanobacteria within Biological Desert Crust. <i>Plant Physiology</i> , 2004, 136, 3070-3079.	2.3	138
78	Resolving the biological role of the Rhesus (Rh) proteins of red blood cells with the aid of a green alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7497-7498.	3.3	10
79	Inorganic carbon acquisition systems in cyanobacteria. <i>Photosynthesis Research</i> , 2003, 77, 105-115.	1.6	82
80	Massive light-dependent cycling of inorganic carbon between oxygenic photosynthetic microorganisms and their surroundings. <i>Photosynthesis Research</i> , 2003, 77, 95-103.	1.6	66
81	Genes Encoding A-Type Flavoproteins Are Essential for Photoreduction of O ₂ in Cyanobacteria. <i>Current Biology</i> , 2003, 13, 230-235.	1.8	256
82	Enhanced photosynthesis and growth of transgenic plants that express <i>ctb</i> , a gene involved in HCO ₃ ⁻ accumulation in cyanobacteria. <i>Plant Biotechnology Journal</i> , 2003, 1, 43-50.	4.1	94
83	Genes Essential to Sodium-dependent Bicarbonate Transport in Cyanobacteria. <i>Journal of Biological Chemistry</i> , 2002, 277, 18658-18664.	1.6	245
84	Inhibition of growth and photosynthesis of the dinoflagellate <i>Peridinium gatunense</i> by <i>Microcystis</i> sp. (cyanobacteria): A novel allelopathic mechanism. <i>Limnology and Oceanography</i> , 2002, 47, 1656-1663.	1.6	169
85	Physiological variables determined under laboratory conditions may explain the bloom of <i>Aphanizomenon ovalisporum</i> in Lake Kinneret. <i>European Journal of Phycology</i> , 2002, 37, 259-267.	0.9	40
86	Cyanobacteria in Lake Kinneret: physiological and ecological adaptations. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2002, 28, 996-1000.	0.1	0
87	Dinoflagellate-Cyanobacterium Communication May Determine the Composition of Phytoplankton Assemblage in a Mesotrophic Lake. <i>Current Biology</i> , 2002, 12, 1767-1772.	1.8	162
88	Seasonal and diurnal variations in gene expression in the desert legume <i>Retama raetam</i> . <i>Plant, Cell and Environment</i> , 2002, 25, 1627-1638.	2.8	23
89	Molecular and biochemical mechanisms associated with dormancy and drought tolerance in the desert legume <i>Retama raetam</i> . <i>Plant Journal</i> , 2002, 31, 319-330.	2.8	182
90	A novel gene encoding amidinotransferase in the cylindrospermopsin producing cyanobacterium <i>Aphanizomenon ovalisporum</i> . <i>FEMS Microbiology Letters</i> , 2002, 209, 87-91.	0.7	67

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91	Living under a "dormant" canopy: a molecular acclimation mechanism of the desert plant <i>Retama raetam</i> . <i>Plant Journal</i> , 2001, 25, 407-416.	2.8	109
92	Distinct constitutive and low-CO ₂ -induced CO ₂ uptake systems in cyanobacteria: Genes involved and their phylogenetic relationship with homologous genes in other organisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11789-11794.	3.3	232
93	DNA Microarray Analysis of Cyanobacterial Gene Expression during Acclimation to High Light. <i>Plant Cell</i> , 2001, 13, 793.	3.1	6
94	Passive Entry of CO ₂ and Its Energy-dependent Intracellular Conversion to HCO ₃ ⁻ in Cyanobacteria Are Driven by a Photosystem I-generated ¹ / ₄ H ⁺ . <i>Journal of Biological Chemistry</i> , 2001, 276, 23450-23455.	1.6	75
95	Acclimation of photosynthetic microorganisms to changing ambient CO ₂ concentration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4817-4818.	3.3	40
96	DNA Microarray Analysis of Cyanobacterial Gene Expression during Acclimation to High Light. <i>Plant Cell</i> , 2001, 13, 793-806.	3.1	444
97	Programmed cell death of the dinoflagellate <i>Peridinium gatunense</i> is mediated by CO ₂ limitation and oxidative stress. <i>Current Biology</i> , 1999, 9, 1061-1064.	1.8	270
98	CO ₂ CONCENTRATING MECHANISMS IN PHOTOSYNTHETIC MICROORGANISMS. <i>Annual Review of Plant Biology</i> , 1999, 50, 539-570.	14.2	610
99	The Inorganic Carbon-Concentrating Mechanism of Cyanobacteria. , 1999, , 561-571.		0
100	A mutant of <i>Synechococcus</i> PCC 7942 impaired in HCO ₃ ⁻ uptake. <i>FEMS Microbiology Letters</i> , 1998, 159, 317-324.	0.7	2
101	Modification of <i>Synechococcus</i> sp. PCC 7942 resulted in mutants capable of growing under low but not high concentration of CO ₂ . <i>FEMS Microbiology Letters</i> , 1998, 159, 343-347.	0.7	6
102	A putative HCO ₃ ⁻ transporter in the cyanobacterium <i>Synechococcus</i> sp. strain PCC 7942 1. <i>FEBS Letters</i> , 1998, 430, 236-240.	1.3	56
103	Carbon isotope fractionation by photosynthetic aquatic microorganisms: experiments with <i>Synechococcus</i> PCC7942, and a simple carbon flux model. <i>Canadian Journal of Botany</i> , 1998, 76, 1109-1118.	1.2	11
104	Changes in inorganic carbon uptake during the progression of a dinoflagellate bloom in a lake ecosystem. <i>Canadian Journal of Botany</i> , 1998, 76, 1043-1051.	1.2	22
105	Cyanobacterial mutants impaired in bicarbonate uptake isolated with the aid of an inactivation library. <i>Canadian Journal of Botany</i> , 1998, 76, 942-948.	1.2	4
106	The inorganic carbon-concentrating mechanism in cyanobacteria: induction and ecological significance. <i>Canadian Journal of Botany</i> , 1998, 76, 917-924.	1.2	8
107	Photosynthesizing marine microorganisms can constitute a source of CO ₂ rather than a sink. <i>Canadian Journal of Botany</i> , 1998, 76, 949-953.	1.2	7
108	Carbon isotope fractionation by photosynthetic aquatic microorganisms: experiments with <i>Synechococcus</i> PCC7942, and a simple carbon flux model. <i>Canadian Journal of Botany</i> , 1998, 76, 1109-1118.	1.2	24

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109	The inorganic carbon-concentrating mechanism in cyanobacteria: induction and ecological significance. <i>Canadian Journal of Botany</i> , 1998, 76, 917-924.	1.2	22
110	Cyanobacterial mutants impaired in bicarbonate uptake isolated with the aid of an inactivation library. <i>Canadian Journal of Botany</i> , 1998, 76, 942-948.	1.2	8
111	Photosynthesizing marine microorganisms can constitute a source of CO ₂ rather than a sink. <i>Canadian Journal of Botany</i> , 1998, 76, 949-953.	1.2	15
112	ACCLIMATION OF SYNECHOCOCCUS STRAIN WH7803 TO AMBIENT CO ₂ CONCENTRATION AND TO ELEVATED LIGHT INTENSITY1. <i>Journal of Phycology</i> , 1997, 33, 811-817.	1.0	38
113	UPTAKE, EFFLUX, AND PHOTOSYNTHETIC UTILIZATION OF INORGANIC CARBON BY THE MARINE EUSTIGMATOPHYTE NANNOCHLOROPSIS SP.1. <i>Journal of Phycology</i> , 1997, 33, 969-974.	1.0	55
114	Sustained net CO ₂ evolution during photosynthesis by marine microorganism. <i>Current Biology</i> , 1997, 7, 723-728.	1.8	112
115	Quantitative evaluation of the role of a putative CO ₂ -scavenging entity in the cyanobacterial CO ₂ -concentrating mechanism. <i>BioSystems</i> , 1996, 37, 229-238.	0.9	69
116	Cyanobacterial Mutants Defective in HCO ₃ ⁻ Uptake. , 1996, , 49-55.		1
117	CARBONIC ANHYDRASE ACTIVITY IN THE BLOOM-FORMING DINOFLAGELLATE PERIDINIUM GATUNENSE1. <i>Journal of Phycology</i> , 1995, 31, 906-913.	1.0	35
118	Low Activation State of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase in Carboxysome-Defective <i>Synechococcus</i> Mutants. <i>Plant Physiology</i> , 1995, 108, 183-190.	2.3	52
119	The Genomic Region of rbcL5 in <i>Synechococcus</i> sp. PCC 7942 Contains Genes Involved in the Ability to Grow under Low CO ₂ Concentration and in Chlorophyll Biosynthesis. <i>Plant Physiology</i> , 1995, 108, 1461-1469.	2.3	28
120	Response of Photosynthetic Microorganisms to Changing Ambient Concentration of CO ₂ . , 1995, , 323-334.		9
121	The fluxes of inorganic carbon and CO ₂ -dependent genes involved in the cyanobacterial inorganic carbon-concentrating mechanism: A view on some of the open questions. , 1994, , 299-304.		1
122	Physiological and Molecular Studies on the Response of Cyanobacteria to Changes in the Ambient Inorganic Carbon Concentration. , 1994, , 469-485.		71
123	Inactivation of <i>ccmO</i> in <i>Synechococcus</i> sp. Strain PCC 7942 Results in a Mutant Requiring High Levels of CO ₂ . <i>Applied and Environmental Microbiology</i> , 1994, 60, 1018-1020.	1.4	40
124	High CO ₂ Concentration Alleviates the Block in Photosynthetic Electron Transport in an <i>ndhB</i> -Inactivated Mutant of <i>Synechococcus</i> sp. PCC 7942. <i>Plant Physiology</i> , 1993, 101, 1047-1053.	2.3	55
125	Phenotypic Complementation of High CO ₂ -Requiring Mutants of the Cyanobacterium <i>Synechococcus</i> sp. Strain PCC 7942 by Inosine 5'-Monophosphate. <i>Plant Physiology</i> , 1992, 100, 1987-1993.	2.3	36
126	A Cyanobacterial Gene Encoding Peptidyl-Prolyl cis-trans Isomerase. <i>Plant Physiology</i> , 1992, 100, 1982-1986.	2.3	17

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127	A model for inorganic carbon fluxes and photosynthesis in cyanobacterial carboxysomes. Canadian Journal of Botany, 1991, 69, 984-988.	1.2	105
128	Molecular analysis of high CO ₂ requiring mutants: involvement of genes in the region of rbc, including rbcS, in the ability of cyanobacteria to grow under low CO ₂ . Canadian Journal of Botany, 1991, 69, 945-950.	1.2	24
129	Physiological and Molecular Aspects of the Inorganic Carbon-Concentrating Mechanism in Cyanobacteria. Plant Physiology, 1991, 97, 851-855.	2.3	125
130	Analysis of high CO ₂ requiring mutants indicates a central role for the 5' flanking region of rbc and for the carboxysomes in cyanobacterial photosynthesis. Canadian Journal of Botany, 1990, 68, 1303-1310.	1.2	9
131	The 5'-flanking region of the gene encoding the large subunit of ribulose-1,5-bisphosphate carboxylase/oxygenase is crucial for growth of the cyanobacterium Synechococcus sp. strain PCC 7942 at the level of CO ₂ in air. Journal of Bacteriology, 1989, 171, 6069-6076.	1.0	91
132	Nature of the Light-Induced H ⁺ Efflux and Na ⁺ Uptake in Cyanobacteria. Plant Physiology, 1989, 89, 1220-1225.	2.3	41
133	[57] Inorganic carbon uptake by cyanobacteria. Methods in Enzymology, 1988, , 534-539.	0.4	10
134	Is There a Role for the 42 Kilodalton Polypeptide in Inorganic Carbon Uptake by Cyanobacteria?. Plant Physiology, 1988, 88, 284-288.	2.3	57
135	Energization and Activation of Inorganic Carbon Uptake by Light in Cyanobacteria. Plant Physiology, 1987, 84, 210-213.	2.3	54
136	Adaptation to Low CO ₂ Level in a Mutant of Anacystis nidulans R2 which Requires High CO ₂ for Growth. Plant Physiology, 1987, 83, 892-894.	2.3	24
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