## Rearrangement of light harvesting bacteriochlorophyll green sulfur bacteria to low light intensities

Photosynthesis Research 45, 21-30 DOI: 10.1007/bf00032232

**Citation Report** 

#	Article	IF	CITATIONS
1	Manipulation of the bacteriochlorophyll c homolog distribution in the green sulfur bacterium Chlorobium tepidum. Photosynthesis Research, 1996, 48, 385-393.	1.6	42
2	Changes in Bacteriochlorophyll c Organization during Acid Treatment of Chlorosomes from Chlorobium tepidum. Photochemistry and Photobiology, 1997, 65, 129-134.	1.3	47
3	Chlorophyll Organization and Function in Green Photosynthetic Bacteria*. Photochemistry and Photobiology, 1998, 67, 61-75.	1.3	360
4	Occurrence of new bacteriochlorophyll d forms in natural populations of green photosynthetic sulfur bacteria. FEMS Microbiology Ecology, 1998, 26, 257-267.	1.3	30
5	Environmental and physiological factors affecting the uptake of phosphate by Chlorobium limicola. Archives of Microbiology, 1998, 170, 252-258.	1.0	4
6	Title is missing!. Photosynthesis Research, 1999, 59, 159-166.	1.6	80
7	Title is missing!. Photosynthesis Research, 1999, 60, 257-264.	1.6	62
8	Growth-rate-dependent bacteriochlorophyll c / d ratio in the antenna of Chlorobium limicola strain UdG6040. Archives of Microbiology, 1999, 171, 350-354.	1.0	15
9	The Effects of Epimerization at the 31-position of Bacteriochlorophylls c on their Aggregation in Chlorosomes of Green Sulfur Bacteria. Control of the Ratio of 31 Epimers by Light Intensity‡. Photochemistry and Photobiology, 2000, 71, 567.	1.3	36
10	Pigments and proteins in green bacterial chlorosomes studied by matrix-assisted laser desorption ionization mass spectrometry. FEBS Journal, 2000, 267, 450-456.	0.2	20
11	Effect of Carotenoid Biosynthesis Inhibition on the Chlorosome Organization in Chlorobium phaeobacteroides Strain CL1401. Photochemistry and Photobiology, 2000, 71, 715-723.	1.3	39
12	Light responses in the green sulfur bacterium Prosthecochloris aestuarii : changes in prosthecae length, ultrastructure, and antenna pigment composition. Archives of Microbiology, 2001, 176, 278-284.	1.0	17
13	Development and application of a high resolution liquid chromatographic method for the analysis of complex pigment distributions. Journal of Chromatography A, 2001, 917, 167-177.	1.8	138
14	Identification of the bacteriochlorophyll homologues of Chlorobium phaeobacteroides strain UdG6053 grown at low light intensity. Photosynthesis Research, 2001, 70, 221-230.	1.6	32
15	Variability of the photosynthetic antenna of a Pelodictyon clathratiforme population from a freshwater holomictic pond. FEMS Microbiology Ecology, 2001, 37, 11-19.	1.3	7
16	Novel bacteriochlorophyll e structures and species-specific variability of pigment composition in green sulfur bacteria. Archives of Microbiology, 2002, 177, 475-485.	1.0	39
17	Atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of bacteriochlorophylls from Chlorobiaceae: characteristic fragmentations. Rapid Communications in Mass Spectrometry, 2002, 16, 453-461.	0.7	40
18	Biosynthesis of chlorosome proteins is not inhibited in acetylene-treated cultures of Chlorobium vibrioforme. Photosynthesis Research, 2002, 71, 69-81.	1.6	14

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19	Excitation energy transfer in chlorosomes of Chlorobium phaeobacteroides strain CL1401: the role of carotenoids. Photosynthesis Research, 2002, 71, 5-18.	1.6	35
20	Effect of light quality on sulfide photo-oxidation and growth in an artificial biofilm of the green sulfur bacterium Prosthecochloris aestuarii. Photosynthesis Research, 2002, 71, 173-183.	1.6	1
21	Characterization of the chlorosome antenna of the filamentous anoxygenic phototrophic bacterium Chloronema sp. strain UdG9001. Archives of Microbiology, 2003, 180, 417-426.	1.0	22
22	Distribution of chloropigments in suspended particulate matter and benthic microbial mat of a meromictic lake, Lake Kaiike, Japan. Environmental Microbiology, 2003, 5, 1103-1110.	1.8	21
23	Atmospheric pressure chemical ionisation liquid chromatography/multi-stage mass spectrometry of isobaric bacteriophaeophorbided methyl esters. Rapid Communications in Mass Spectrometry, 2003, 17, 2455-2458.	0.7	9
24	A high resolution study of the chlorophyll and bacteriochlorophyll pigment distributions in a calcite/gypsum microbial mat. Organic Geochemistry, 2003, 34, 539-551.	0.9	34
25	Presence of Exclusively Bacteriochlorophyll-c Containing Substrain in the Culture of Green Sulfur Photosynthetic Bacterium Chlorobium vibrioforme Strain NCIB 8327 Producing Bacteriochlorophyll-d. Analytical Sciences, 2003, 19, 1575-1579.	0.8	28
26	The Role of Carotenoids in the Photoadaptation of the Brown-colored Sulfur Bacterium Chlorobium phaeobacteroides. Photochemistry and Photobiology, 2004, 79, 280.	1.3	22
27	The impact of different intensities of green light on the bacteriochlorophyll homologue composition of the chlorobiaceae Prosthecochloris aestuarii and Chlorobium phaeobacteroides. Microbiology (United Kingdom), 2004, 150, 2555-2564.	0.7	9
28	Effect of Carotenoids and Monogalactosyl Diglyceride on Bacteriochlorophyll c Aggregates in Aqueous Buffer: Implications for the Self-assembly of Chlorosomes¶. Photochemistry and Photobiology, 2004, 80, 572.	1.3	20
29	Vertical distributions of stable isotopic compositions and bacteriochlorophyll homologues in suspended particulate matter in saline meromictic Lake Abashiri. Limnology, 2004, 5, 185-189.	0.8	5
30	Comparison between chlorosomes containing bacteriochlorophyll-c and chlorosomes containing bacteriochlorophyll-d isolated from two substrains of green sulfur photosynthetic bacterium Chlorobium vibrioforme NCIB 8327. Journal of Photochemistry and Photobiology B: Biology, 2004, 75, 89-97	1.7	27
31	Ultrafast Dynamics of Carotenoid Excited Statesâ ``From Solution to Natural and Artificial Systems. Chemical Reviews, 2004, 104, 2021-2072.	23.0	811
32	Structural variations in derivatives of the bacteriochlorophylls of Chlorobiaceae: impact of stratigraphic resolution on depth profiles as revealed by methanolysis. Organic Geochemistry, 2004, 35, 1299-1307.	0.9	7
33	Self-aggregates of bacteriochlorophylls-c, d and e in a light-harvesting antenna system of green photosynthetic bacteria: Effect of stereochemistry at the chiral 3-(1-hydroxyethyl) group on the supramolecular arrangement of chlorophyllous pigments. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2005, 6, 89-107.	5.6	112
34	Bacteriochlorophyll-c Homolog Composition in Green Sulfur Photosynthetic Bacterium Chlorobium vibrioformeDependent on the Concentration of Sodium Sulfide in Liquid Cultures. Photosynthesis Research, 2005, 86, 123-130.	1.6	18
35	Atmospheric pressure chemical ionisation liquid chromatography/multistage mass spectrometry for assignment of sedimentary bacteriochlorophyll derivatives. Rapid Communications in Mass Spectrometry, 2005, 19, 38-46.	0.7	11
36	Physiology and Phylogeny of Green Sulfur Bacteria Forming a Monospecific Phototrophic Assemblage at a Depth of 100 Meters in the Black Sea. Applied and Environmental Microbiology, 2005, 71, 8049-8060.	1.4	216

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37	Self-aggregates of natural and modified chlorophylls as photosynthetic light-harvesting antenna systems: substituent effect on the B-ring. Photochemical and Photobiological Sciences, 2005, 4, 675.	1.6	58
38	Bacteriochlorophyll Biosynthesis in Green Bacteria. , 2006, , 201-221.		19
39	Distribution of bacteriochlorophyll homologs in natural populations of brown-colored phototrophic sulfur bacteria. FEMS Microbiology Ecology, 2006, 24, 301-309.	1.3	39
40	The role of the carotenoids in the photoadaptation of the brown olored sulfur bacterium <i>Chlorobium phaerobacteroides</i> . Photochemistry and Photobiology, 2004, 79, 280-285.	1.3	0
41	Effect of Carotenoids and Monogalactosyl Diglyceride on Bacteriochlorophyll <i>c</i> Aggregates in Aqueous Buffer: Implications for the Selfâ€assembly of Chlorosomes <sup>¶</sup> . Photochemistry and Photobiology, 2004, 80, 572-578.	1.3	1
42	The Effects of Epimerization at the 31-position of Bacteriochlorophylls c on their Aggregation in Chlorosomes of Green Sulfur Bacteria. Control of the Ratio of 31 Epimers by Light Intensity ‡. Photochemistry and Photobiology, 2007, 71, 567-573.	1.3	1
43	Spectroscopic Studies on Self-aggregation of Bacteriochlorophyll-e in Nonpolar Organic Solvents: Effects of Stereoisomeric Configuration at the 31-Position and Alkyl Substituents at the 81-Position¶. Photochemistry and Photobiology, 2007, 74, 72-80.	1.3	1
44	Spectroscopic properties and bacteriochlorophyll c isomer composition of extramembranous light-harvesting complexes in the green sulfur photosynthetic bacterium Chlorobium tepidum and its CT0388-deleted mutant under vitamin B12-limited conditions. Photochemical and Photobiological Sciences 2008 7 1210-1215	1.6	11
45	Pressure-Induced Red Shift and Broadening of the Qy Absorption of Main Light-Harvesting Antennae Chlorosomes from Green Photosynthetic Bacteria and Their Dependency upon Alkyl Substituents of the Composite Bacteriochlorophylls. Journal of Physical Chemistry B, 2008, 112, 16759-16765.	1.2	10
46	Light availability for Chlorobium phaeobacteroides development in Lake Kinneret. Journal of Plankton Research, 2008, 30, 765-776.	0.8	21
47	Chlorobaculum tepidum regulates chlorosome structure and function in response to temperature and electron donor availability. Photosynthesis Research, 2009, 99, 11-21.	1.6	13
48	Bacterial dominance of phototrophic communities in a High Arctic lake and its implications for paleoclimate analysis. Polar Science, 2009, 3, 147-161.	0.5	20
49	Structure of Chlorosomes from the Green Filamentous Bacterium <i>Chloroflexus aurantiacus</i> . Journal of Bacteriology, 2009, 191, 6701-6708.	1.0	60
50	New phylotypes of mesophilic filamentous anoxygenic phototrophic bacteria enriched from sulfideâ€containing environments. Environmental Microbiology Reports, 2009, 1, 86-93.	1.0	8
51	Spectral properties of single light-harvesting complexes in bacterial photosynthesis. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2010, 11, 15-24.	5.6	171
52	Metaproteogenomic analysis of a dominant green sulfur bacterium from Ace Lake, Antarctica. ISME Journal, 2010, 4, 1002-1019.	4.4	97
53	New HPLC separation techniques. , 0, , 165-194.		10
54	Active bacteria and archaea cells fixing bicarbonate in the dark along the water column of a stratified eutrophic lagoon. FEMS Microbiology Ecology, 2011, 77, 370-384.	1.3	31

CITATION REPORT

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55	Sodium Dodecyl Sulfate-Polyacrylamide Gel Protein Electrophoresis of Freshwater Photosynthetic	1.0	2
	Sundi Dacteria. Current Microbiology, 2011, 02, 111 110.		
56	Microbial Ecology of Lake Kivu. , 2012, , 85-105.		12
58	Lake Kivu. , 2012, , .		20
59	Seasonal occurrence of anoxygenic photosynthesis in Tillari and Selaulim reservoirs, Western India. Biogeosciences, 2012, 9, 2485-2495.	1.3	32
60	Temperature and Carbon Assimilation Regulate the Chlorosome Biogenesis in Green Sulfur Bacteria. Biophysical Journal, 2013, 105, 1346-1356.	0.2	14
61	Structural and Functional Roles of Carotenoids in Chlorosomes. Journal of Bacteriology, 2013, 195, 1727-1734.	1.0	22
62	The Phototrophic Way of Life. , 2013, , 203-257.		39
63	Scrambled Selfâ€Assembly of Bacteriochlorophylls <i>c</i> and <i>e</i> in Aqueous Triton Xâ€100 Micelles. Photochemistry and Photobiology, 2014, 90, 552-559.	1.3	8
64	Isolation and characterization of a new bacteriochlorophyll-c bearing a neopentyl substituent at the 8-position from the bciD-deletion mutant of the brown-colored green sulfur bacterium Chlorobaculum limnaeum. Photosynthesis Research, 2014, 121, 3-12.	1.6	13
65	The Structural Basis of Biological Energy Generation. Advances in Photosynthesis and Respiration, 2014, , .	1.0	4
66	Chromatic acclimation and population dynamics of green sulfur bacteria grown with spectrally tailored light. Scientific Reports, 2014, 4, 5057.	1.6	15
67	Stereochemical conversion of <scp>C</scp> 3â€vinyl group to 1â€hydroxyethyl group in bacteriochlorophyll <i>c</i> by the hydratases <scp>BchF</scp> and <scp>BchV</scp> : adaptation of green sulfur bacteria to limitedâ€light environments. Molecular Microbiology, 2015, 98, 1184-1198.	1.2	24
68	Pelagic photoferrotrophy and iron cycling in a modern ferruginous basin. Scientific Reports, 2015, 5, 13803.	1.6	80
69	Inactivation of bciD and bchU genes in the green sulfur bacterium Chlorobaculum limnaeum and alteration of photosynthetic pigments in the resultant mutants. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 313, 52-59.	2.0	23
70	Conformational control of cofactors in nature – the influence of protein-induced macrocycle distortion on the biological function of tetrapyrroles. Chemical Communications, 2015, 51, 17031-17063.	2.2	169
71	Single-Molecule Fluorescence Spectroscopy of Photosynthetic Systems. Chemical Reviews, 2017, 117, 860-898.	23.0	87
72	Polymer–Chlorosome Nanocomposites Consisting of Non-Native Combinations of Self-Assembling Bacteriochlorophylls. Langmuir, 2017, 33, 6427-6438.	1.6	17
73	Nutrient Acquisition and the Metabolic Potential of Photoferrotrophic Chlorobi. Frontiers in Microbiology, 2017, 8, 1212.	1.5	28

CITATION REPORT

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74	Light-dependent accumulation of new bacteriochlorophyll-e bearing a vinyl group at the 8-position in the green sulfur bacterium Chlorobaculum limnaeum. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 358, 356-361.	2.0	2
75	20-Substitution effect on self-aggregation of synthetic zinc bacteriochlorophyll-d analogs. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 581-590.	2.0	10
76	Over-expression of the C82-methyltransferase BchQ in mutant strains of the green sulfur bacterium Chlorobaculum limnaeum for synthesis of C8-hyper-alkylated chlorosomal pigments. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 404, 112882.	2.0	1
77	Chlorosomes: Structure, Function and Assembly. Advances in Photosynthesis and Respiration, 2014, , 77-109.	1.0	32
78	Spectroscopic Studies on Self-aggregation of Bacteriochlorophyll-e in Nonpolar Organic Solvents: Effects of Stereoisomeric Configuration at the 31-Position and Alkyl Substituents at the 81-Position¶. Photochemistry and Photobiology, 2001, 74, 72.	1.3	59
79	Beyond the Genome: Functional Studies of Phototrophic Sulfur Oxidation. Advances in Experimental Medicine and Biology, 2010, 675, 109-121.	0.8	0
80	Light Intensity Acclimation of the Photosynthetic Apparatus in Chlorobium tepidum. , 1998, , 2269-2272.		0
81	Light-Dependent Morphological and Physiological Changes in Prosthecochloris Aestuarii. , 1998, , 177-180.		0
82	Changes in the Antenna Composition of Chlorobium Limicola Growing in Continuous Culture. , 1998, , 173-176.		1
83	Adaptation of the Photosynthetic Antenna of Bchl d-Containing Bacteria to Low Light Intensities. , 1998, , 165-168.		2
84	Mass Spectrometry of Chlorophylls from Phototrophic Prokaryotes. Current Organic Chemistry, 2018, 22, 877-884.	0.9	1
85	Electronic Structure of Chlorophyll Monomers and Oligomers. , 0, , .		1
86	Comparative genomic insights into habitat adaptation of coral-associated Prosthecochloris. Frontiers in Microbiology, 0, 14, .	1.5	1

CITATION REPORT