

# CITATION REPORT

List of articles citing

Light intensity effects on pigment composition and organisation in the green sulfur bacterium *Chlorobium tepidum*

DOI: 10.1023/a:1006161302838

Photosynthesis Research, 1999, 59, 159-166.

**Source:** <https://exaly.com/paper-pdf/30476269/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
76	Pigments and proteins in green bacterial chlorosomes studied by matrix-assisted laser desorption ionization mass spectrometry. <i>FEBS Journal</i> , <b>2000</b> , 267, 450-6		17
75	Synthesis and Self-Assembly of Zinc Methyl Bacteriopheophorbide-f and its Homolog. <i>Tetrahedron</i> , <b>2000</b> , 56, 6245-6257	2.4	45
74	Diastereoselective Control of Bacteriochlorophyll Aggregation. 31-S-BChl <sub>e</sub> Essential for the Formation of Chlorosome-Like Aggregates. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 10379-10386	3.4	88
73	Identification of the bacteriochlorophyll homologues of <i>Chlorobium phaeobacteroides</i> strain UdG6053 grown at low light intensity. <i>Photosynthesis Research</i> , <b>2001</b> , 70, 221-30	3.7	28
72	<i>Chlorobium tepidum</i> mutant lacking bacteriochlorophyll c made by inactivation of the bchK gene, encoding bacteriochlorophyll c synthase. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 3368-76	3.5	68
71	Sedimentary pigments as markers for environmental change in an Antarctic lake. <i>Organic Geochemistry</i> , <b>2002</b> , 33, 1655-1665	3.1	67
70	Atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of bacteriochlorophylls from Chlorobiaceae: characteristic fragmentations. <i>Rapid Communications in Mass Spectrometry</i> , <b>2002</b> , 16, 453-61	2.2	36
69	Biosynthesis of chlorosome proteins is not inhibited in acetylene-treated cultures of <i>Chlorobium vibrioforme</i> . <i>Photosynthesis Research</i> , <b>2002</b> , 71, 69-81	3.7	13
68	<i>Chlorobium tepidum</i> : insights into the structure, physiology, and metabolism of a green sulfur bacterium derived from the complete genome sequence. <i>Photosynthesis Research</i> , <b>2003</b> , 78, 93-117	3.7	151
67	Atmospheric pressure chemical ionisation liquid chromatography/multi-stage mass spectrometry of isobaric bacteriopheophorbide d methyl esters. <i>Rapid Communications in Mass Spectrometry</i> , <b>2003</b> , 17, 2455-8	2.2	7
66	Presence of exclusively bacteriochlorophyll-c containing substrain in the culture of green sulfur photosynthetic bacterium <i>Chlorobium vibrioforme</i> strain NCIB 8327 producing bacteriochlorophyll-d. <i>Analytical Sciences</i> , <b>2003</b> , 19, 1575-9	1.7	26
65	The role of carotenoids in the photoadaptation of the brown-colored sulfur bacterium <i>Chlorobium phaeobacteroides</i> . <i>Photochemistry and Photobiology</i> , <b>2004</b> , 79, 280-5	3.6	21
64	The impact of different intensities of green light on the bacteriochlorophyll homologue composition of the Chlorobiaceae <i>Prosthecochloris aestuarii</i> and <i>Chlorobium phaeobacteroides</i> . <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 2555-2564	2.9	8
63	The bchU gene of <i>Chlorobium tepidum</i> encodes the c-20 methyltransferase in bacteriochlorophyll c biosynthesis. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 2558-66	3.5	70
62	Genetic manipulation of carotenoid biosynthesis in the green sulfur bacterium <i>Chlorobium tepidum</i> . <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 5210-20	3.5	87
61	Fluorescence spectroscopy of single photosynthetic light-harvesting supramolecular systems. <i>Cell Biochemistry and Biophysics</i> , <b>2004</b> , 40, 149-65	3.2	14
60	Comparison between chlorosomes containing bacteriochlorophyll-c and chlorosomes containing bacteriochlorophyll-d isolated from two substrains of green sulfur photosynthetic bacterium <i>Chlorobium vibrioforme</i> NCIB 8327. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2004</b> , 75, 89-97	6.7	27

59	Photo-degradation of bacteriochlorophyll c in intact cells and extracts from <i>Chlorobium tepidum</i> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2004</b> , 165, 75-89	4.7	6
58	Lamellar organization of pigments in chlorosomes, the light harvesting complexes of green photosynthetic bacteria. <i>Biophysical Journal</i> , <b>2004</b> , 87, 1165-72	2.9	199
57	Structural variations in derivatives of the bacteriochlorophylls of Chlorobiaceae: impact of stratigraphic resolution on depth profiles as revealed by methanolysis. <i>Organic Geochemistry</i> , <b>2004</b> , 35, 1299-1307	3.1	6
56	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. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2005</b> , 6, 89-107	16.4	109
55	Excitation energy transfer in individual light-harvesting chlorosome from green photosynthetic bacterium <i>Chloroflexus aurantiacus</i> at cryogenic temperature. <i>Chemical Physics Letters</i> , <b>2005</b> , 409, 34-37	2.5	12
54	Time-dependent self-assembly of 31-epimerically pure and mixed zinc methyl bacteriopheophorbides-d in an aqueous THF solution. <i>Photosynthesis Research</i> , <b>2005</b> , 86, 131-6	3.7	16
53	Bacteriochlorophyll-c homolog composition in green sulfur photosynthetic bacterium <i>Chlorobium vibrioforme</i> dependent on the concentration of sodium sulfide in liquid cultures. <i>Photosynthesis Research</i> , <b>2005</b> , 86, 123-30	3.7	18
52	Self-aggregates of natural and modified chlorophylls as photosynthetic light-harvesting antenna systems: substituent effect on the B-ring. <i>Photochemical and Photobiological Sciences</i> , <b>2005</b> , 4, 675-80	4.2	57
51	Low-temperature fluorescence from single chlorosomes, photosynthetic antenna complexes of green filamentous and sulfur bacteria. <i>Biophysical Journal</i> , <b>2006</b> , 91, 3787-96	2.9	32
50	Bacteriochlorophyll Biosynthesis in Green Bacteria. <b>2006</b> , 201-221		17
49	Some factors controlling the biosynthesis of chlorosome antenna bacteriochlorophylls in green filamentous anoxygenic phototrophic bacteria of the family Oscillochloridaceae. <i>Microbiology</i> , <b>2006</b> , 151, 129-135	1.4	4
48	<i>Chlorobium chlorochromatii</i> sp. nov., a symbiotic green sulfur bacterium isolated from the phototrophic consortium "Chlorochromatium aggregatum". <i>Archives of Microbiology</i> , <b>2006</b> , 185, 363-72	3	41
47	Chlorosomes: Antenna Organelles in Photosynthetic Green Bacteria. <i>Microbiology Monographs</i> , <b>2006</b> , 79-114	0.8	77
46	Bacteriochlorophyllide c C-8(2) and C-12(1) methyltransferases are essential for adaptation to low light in <i>Chlorobaculum tepidum</i> . <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 6176-84	3.5	90
45	Chlorophyll biosynthesis in bacteria: the origins of structural and functional diversity. <i>Annual Review of Microbiology</i> , <b>2007</b> , 61, 113-29	17.5	202
44	The role of the carotenoids in the photoadaptation of the brown-colored sulfur bacterium <i>Chlorobium phaeobacteroides</i> . <i>Photochemistry and Photobiology</i> , <b>2007</b> , 79, 280-285	3.6	
43	Direct counting of submicrometer-sized photosynthetic apparatus dispersed in medium at cryogenic temperature by confocal laser fluorescence microscopy: estimation of the number of bacteriochlorophyll c in single light-harvesting antenna complexes chlorosomes of green photosynthetic bacteria. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 12605-9	3.4	50
42	Spectral Heterogeneity in Single Light-harvesting Chlorosomes from Green Sulfur Photosynthetic Bacterium <i>Chlorobium tepidum</i> . <i>Photochemistry and Photobiology</i> , <b>2007</b> , 75, 433-436	3.6	2

41	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. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 74, 72-80	3.6	1
40	Investigation on chlorosomal antenna geometries: tube, lamella and spiral-type self-aggregates. <i>Photosynthesis Research</i> , <b>2008</b> , 96, 227-45	3.7	67
39	The length of esterifying alcohol affects the aggregation properties of chlorosomal bacteriochlorophylls. <i>Photochemistry and Photobiology</i> , <b>2008</b> , 84, 1187-94	3.6	16
38	Spectroscopic properties and bacteriochlorophyll c isomer composition of extramembranous light-harvesting complexes in the green sulfur photosynthetic bacterium <i>Chlorobium tepidum</i> and its CT0388-deleted mutant under vitamin B12-limited conditions. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 1212-5	4.2	11
37	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. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 16759-65	3.4	10
36	Identification of the bchP gene, encoding geranylgeranyl reductase in <i>Chlorobaculum tepidum</i> . <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 747-9	3.5	22
35	Characterization of three homologs of the large subunit of the magnesium chelatase from <i>Chlorobaculum tepidum</i> and interaction with the magnesium protoporphyrin IX methyltransferase. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 27776-27784	5.4	17
34	<i>Chlorobaculum tepidum</i> regulates chlorosome structure and function in response to temperature and electron donor availability. <i>Photosynthesis Research</i> , <b>2009</b> , 99, 11-21	3.7	12
33	Mimics of the self-assembling chlorosomal bacteriochlorophylls: regio- and stereoselective synthesis and stereoanalysis of acyl(1-hydroxyalkyl)porphyrins. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14480-92	16.4	29
32	Bacterial dominance of phototrophic communities in a High Arctic lake and its implications for paleoclimate analysis. <i>Polar Science</i> , <b>2009</b> , 3, 147-161	2.3	18
31	Structure of chlorosomes from the green filamentous bacterium <i>Chloroflexus aurantiacus</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 6701-8	3.5	58
30	New phylotypes of mesophilic filamentous anoxygenic phototrophic bacteria enriched from sulfide-containing environments. <i>Environmental Microbiology Reports</i> , <b>2009</b> , 1, 86-93	3.7	7
29	Spectral properties of single light-harvesting complexes in bacterial photosynthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2010</b> , 11, 15-24	16.4	152
28	Metaproteogenomic analysis of a dominant green sulfur bacterium from Ace Lake, Antarctica. <i>ISME Journal</i> , <b>2010</b> , 4, 1002-19	11.9	81
27	Distribution of entanglement in light-harvesting complexes and their quantum efficiency. <i>New Journal of Physics</i> , <b>2010</b> , 12, 085006	2.9	88
26	Theoretical Study of the Optical Properties of Artificial Self-Assembled Zinc Chlorins. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 20834-20842	3.8	23
25	Excitation energy transfer in isolated chlorosomes from <i>Chlorobaculum tepidum</i> and <i>Prosthecochloris aestuarii</i> . <i>Photochemistry and Photobiology</i> , <b>2012</b> , 88, 675-83	3.6	39
24	Temperature shift effect on the <i>Chlorobaculum tepidum</i> chlorosomes. <i>Photosynthesis Research</i> , <b>2013</b> , 115, 23-41	3.7	8

23	Temperature and carbon assimilation regulate the chlorosome biogenesis in green sulfur bacteria. <i>Biophysical Journal</i> , <b>2013</b> , 105, 1346-56	2.9	14
22	Structural and functional roles of carotenoids in chlorosomes. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 1727-34	5	18
21	Scrambled self-assembly of bacteriochlorophylls c and e in aqueous Triton X-100 micelles. <i>Photochemistry and Photobiology</i> , <b>2014</b> , 90, 552-9	3.6	8
20	Low-temperature spectroscopy of bacteriochlorophyll c aggregates. <i>Photosynthesis Research</i> , <b>2014</b> , 119, 331-8	3.7	1
19	Theoretical characterization of excitation energy transfer in chlorosome light-harvesting antennae from green sulfur bacteria. <i>Photosynthesis Research</i> , <b>2014</b> , 120, 273-89	3.7	34
18	Isolation and structural determination of C8-vinyl-bacteriochlorophyll d from the bciA and bchU double mutant of the green sulfur bacterium <i>Chlorobaculum tepidum</i> . <i>Photosynthesis Research</i> , <b>2014</b> , 121, 13-23	3.7	5
17	Chromatic acclimation and population dynamics of green sulfur bacteria grown with spectrally tailored light. <i>Scientific Reports</i> , <b>2014</b> , 4, 5057	4.9	11
16	<i>Chlorobaculum tepidum</i> Modulates Amino Acid Composition in Response to Energy Availability, as Revealed by a Systematic Exploration of the Energy Landscape of Phototrophic Sulfur Oxidation. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 6431-6439	4.8	1
15	In vitro self-assemblies of bacteriochlorophylls-c from <i>Chlorobaculum tepidum</i> and their supramolecular nanostructures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 331, 190-196	4.7	7
14	BciD Is a Radical S-Adenosyl-L-methionine (SAM) Enzyme That Completes Bacteriochlorophyllide e Biosynthesis by Oxidizing a Methyl Group into a Formyl Group at C-7. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 1361-1373	5.4	20
13	Polymer-Chlorosome Nanocomposites Consisting of Non-Native Combinations of Self-Assembling Bacteriochlorophylls. <i>Langmuir</i> , <b>2017</b> , 33, 6427-6438	4	14
12	20-Substitution effect on self-aggregation of synthetic zinc bacteriochlorophyll-d analogs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 581-590	4.7	9
11	On Excitation Energy Transfer within the Baseplate BChl -CsmA Complex of. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 9786-9791	3.4	1
10	Biosynthesis of chlorophylls and bacteriochlorophylls in green bacteria. <i>Advances in Botanical Research</i> , <b>2019</b> , 35-89	2.2	13
9	Formation and function of bacterial organelles. <i>Nature Reviews Microbiology</i> , <b>2020</b> , 18, 677-689	22.2	40
8	Microbial community dynamics and coexistence in a sulfide-driven phototrophic bloom. <i>Environmental Microbiomes</i> , <b>2020</b> , 15, 3	5.6	8
7	Organic electron donors and terminal electron acceptors structure anaerobic microbial communities and interactions in a permanently stratified sulfidic lake.		
6	Organic Electron Donors and Terminal Electron Acceptors Structure Anaerobic Microbial Communities and Interactions in a Permanently Stratified Sulfidic Lake. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 620424	5.7	2

- 5 Chlorosomes: Structure, Function and Assembly. *Advances in Photosynthesis and Respiration*, **2014**, 77-109.7 24
- 4 Spectroscopic studies on self-aggregation of bacteriochlorophyll-e in nonpolar organic solvents: effects of stereoisomeric configuration at the 3(1)-position and alkyl substituents at the 8(1)-position. *Photochemistry and Photobiology*, **2001**, 74, 72-80 3.6 58
- 3 Spectral heterogeneity in single light-harvesting chlorosomes from green sulfur photosynthetic bacterium chlorobium tepidum. *Photochemistry and Photobiology*, **2002**, 75, 433-6 3.6 29
- 2 Microbial community dynamics and coexistence in a sulfide-driven phototrophic bloom.
- 1 Electronic Structure of Chlorophyll Monomers and Oligomers.