

Christian Wilhelm

List of Publications by Year in descending order

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126
papers

5,363
citations

76326

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h-index

91884

69
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136
all docs

136
docs citations

136
times ranked

4694
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterologous Lactate Synthesis in <i>Synechocystis</i> sp. Strain PCC 6803 Causes a Growth Condition-Dependent Carbon Sink Effect. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0006322.	3.1	3
2	Crossing and selection of <i>Chlamydomonas reinhardtii</i> strains for biotechnological glycolate production. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3539-3554.	3.6	4
3	Isolation of fucoxanthin chlorophyll protein complexes of the centric diatom <i>Thalassiosira pseudonana</i> associated with the xanthophyll cycle enzyme diadinoxanthin de-epoxidase. <i>IUBMB Life</i> , 2022, , .	3.4	0
4	The potential of multispectral imaging flow cytometry for environmental monitoring. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 782-799.	1.5	4
5	Ru/Catalyzed Hydrogenation of Aqueous Glycolic Acid from Microalgae – Influence of pH and Biologically Relevant Additives. <i>ChemistryOpen</i> , 2022, 11, .	1.9	3
6	Influence of the compatible solute sucrose on thylakoid membrane organization and violaxanthin de-epoxidation. <i>Planta</i> , 2021, 254, 52.	3.2	0
7	Pre-purification of diatom pigment protein complexes provides insight into the heterogeneity of FCP complexes. <i>BMC Plant Biology</i> , 2020, 20, 456.	3.6	8
8	The Aureochrome Photoreceptor PtAUREO1a Is a Highly Effective Blue Light Switch in Diatoms. <i>IScience</i> , 2020, 23, 101730.	4.1	14
9	The fluid-mosaic membrane theory in the context of photosynthetic membranes: Is the thylakoid membrane more like a mixed crystal or like a fluid?. <i>Journal of Plant Physiology</i> , 2020, 252, 153246.	3.5	16
10	Photosynthesis in diatoms. , 2020, , 217-229.		2
11	Biomass Production: Biological Basics. , 2019, , 17-52.		1
12	Innovative Options for Energy Provision. , 2019, , 1413-1419.		0
13	Photocalorespirometry (Photo-CR): A Novel Method for Access to Photosynthetic Energy Conversion Efficiency. <i>Scientific Reports</i> , 2019, 9, 9298.	3.3	3
14	Effects of temperature and salinity on respiratory losses and the ratio of photosynthesis to respiration in representative Antarctic phytoplankton species. <i>PLoS ONE</i> , 2019, 14, e0224101.	2.5	10
15	Glycolate from microalgae: an efficient carbon source for biotechnological applications. <i>Plant Biotechnology Journal</i> , 2019, 17, 1538-1546.	8.3	27
16	Quantitative macromolecular patterns in phytoplankton communities resolved at the taxonomical level by single-cell Synchrotron FTIR-spectroscopy. <i>BMC Plant Biology</i> , 2019, 19, 142.	3.6	17
17	Monitoring cellular C:N ratio in phytoplankton by means of FTIR-spectroscopy. <i>Journal of Phycology</i> , 2019, 55, 543-551.	2.3	7
18	Electron balancing under different sink conditions reveals positive effects on photon efficiency and metabolic activity of <i>Synechocystis</i> sp. PCC 6803. <i>Biotechnology for Biofuels</i> , 2019, 12, 43.	6.2	18

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19	15N photo-CIDNP MAS NMR on both photosystems and magnetic field-dependent 13C photo-CIDNP MAS NMR in photosystem II of the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2019, 140, 151-171.	2.9	13
20	Long-Term Biogas Production from Glycolate by Diverse and Highly Dynamic Communities. <i>Microorganisms</i> , 2018, 6, 103.	3.6	12
21	The artificial humic substance HS1500 does not inhibit photosynthesis of the green alga <i>Desmodesmus armatus</i> in vivo but interacts with the photosynthetic apparatus of isolated spinach thylakoids in vitro. <i>Photosynthesis Research</i> , 2018, 137, 403-420.	2.9	4
22	Cell Wall Structure of Coccoid Green Algae as an Important Trade-Off Between Biotic Interference Mechanisms and Multidimensional Cell Growth. <i>Frontiers in Microbiology</i> , 2018, 9, 719.	3.5	39
23	A Fateful Meeting of Two Phytoplankton Species—Chemical vs. Cell-Cell-Interactions in Co-Cultures of the Green Algae <i>Oocystis marsonii</i> and the Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Microbial Ecology</i> , 2017, 74, 22-32.	2.8	30
24	Phytoplankton growth rate modelling: can spectroscopic cell chemotyping be superior to physiological predictors?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20161956.	2.6	24
25	Photo-CIDNP in the Reaction Center of the Diatom <i>Cyclotella meneghiniana</i> Observed by ¹³ C MAS NMR. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 347-367.	2.8	15
26	Influence of thylakoid membrane lipids on the structure of aggregated light-harvesting complexes of the diatom <i>Thalassiosira pseudonana</i> and the green alga <i>Mantoniella squamata</i> . <i>Physiologia Plantarum</i> , 2017, 160, 339-358.	5.2	8
27	Direct isolation of a functional violaxanthin cycle domain from thylakoid membranes of higher plants. <i>Planta</i> , 2017, 245, 793-806.	3.2	19
28	Light driven reactions in model algae. <i>Journal of Plant Physiology</i> , 2017, 217, 1-3.	3.5	5
29	Towards an understanding of the molecular regulation of carbon allocation in diatoms: the interaction of energy and carbon allocation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160410.	4.0	36
30	An update on aureochromes: Phylogeny – mechanism – function. <i>Journal of Plant Physiology</i> , 2017, 217, 20-26.	3.5	57
31	Functional proteomics of light-harvesting complex proteins under varying light-conditions in diatoms. <i>Journal of Plant Physiology</i> , 2017, 217, 38-43.	3.5	9
32	An optimized protocol for the preparation of oxygen-evolving thylakoid membranes from <i>Cyclotella meneghiniana</i> provides a tool for the investigation of diatom plastidic electron transport. <i>BMC Plant Biology</i> , 2017, 17, 221.	3.6	3
33	PtAUREO1a and PtAUREO1b knockout mutants of the diatom <i>Phaeodactylum tricornutum</i> are blocked in photoacclimation to blue light. <i>Journal of Plant Physiology</i> , 2017, 217, 44-48.	3.5	39
34	Biomass Production, <i>Biological Basics</i> , 2017, , 1-36.		0
35	Innovative Options for Energy Provision. , 2017, , 1-7.		0
36	Temperature affects the partitioning of absorbed light energy in freshwater phytoplankton. <i>Freshwater Biology</i> , 2016, 61, 1365-1378.	2.4	26

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37	Assessing in situ dominance pattern of phytoplankton classes by dominance analysis as a proxy for realized niches. <i>Harmful Algae</i> , 2016, 58, 74-84.	4.8	5
38	Title: Freshwater phytoplankton responses to global warming. <i>Journal of Plant Physiology</i> , 2016, 203, 127-134.	3.5	15
39	Photosystem II cycle activity and alternative electron transport in the diatom <i>Phaeodactylum tricornutum</i> under dynamic light conditions and nitrogen limitation. <i>Photosynthesis Research</i> , 2016, 128, 151-161.	2.9	36
40	Epidermal Pavement Cells of <i>Arabidopsis</i> Have Chloroplasts. <i>Plant Physiology</i> , 2016, 171, 723-6.	4.8	49
41	Aquatische Biomasse. , 2016, , 249-272.		0
42	Biomasseentstehung. , 2016, , 77-123.		1
43	Photosynthesis in Eukaryotic Algae with Secondary Plastids. <i>Books in Soils, Plants, and the Environment</i> , 2016, , 425-444.	0.1	0
44	The diadinoxanthin diatoxanthin cycle induces structural rearrangements of the isolated FCP antenna complexes of the pennate diatom <i>Phaeodactylum tricornutum</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 96, 364-376.	5.8	14
45	Non-photochemical quenching and xanthophyll cycle activities in six green algal species suggest mechanistic differences in the process of excess energy dissipation. <i>Journal of Plant Physiology</i> , 2015, 172, 92-103.	3.5	82
46	Physiodiversity â€œ New tools allow physiologist to embrace biodiversity and reconstruct the evolution of â€œphysiologiesâ€™?. <i>Journal of Plant Physiology</i> , 2015, 172, 1-3.	3.5	4
47	Spring Ephemerals Adapt to Extremely High Light Conditions via an Unusual Stabilization of Photosystem II. <i>Frontiers in Plant Science</i> , 2015, 6, 1189.	3.6	20
48	<i>Guanchochroma wildpretii</i> gen. et spec. nov. (Ochrophyta) Provides New Insights into the Diversification and Evolution of the Algal Class Synchronophyceae. <i>PLoS ONE</i> , 2015, 10, e0131821.	2.5	8
49	Surveillance of C-Allocation in Microalgal Cells. <i>Metabolites</i> , 2014, 4, 453-464.	2.9	19
50	Integration in microalgal bioprocess development: Design of efficient, sustainable, and economic processes. <i>Engineering in Life Sciences</i> , 2014, 14, 560-573.	3.6	35
51	Influence of thylakoid membrane lipids on the structure and function of the plant photosystem II core complex. <i>Planta</i> , 2014, 240, 781-796.	3.2	31
52	Conversion steps in bioenergy production â€œ analysis of the energy flow from photon to biofuel. <i>Biofuels</i> , 2014, 5, 385-404.	2.4	15
53	Influence of pH, Mg ²⁺ , and lipid composition on the aggregation state of the diatom FCP in comparison to the LHClI of vascular plants. <i>Photosynthesis Research</i> , 2014, 119, 305-317.	2.9	21
54	Light acclimation in diatoms: From phenomenology to mechanisms. <i>Marine Genomics</i> , 2014, 16, 5-15.	1.1	56

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55	Unusual features of the high light acclimation of <i>Chromera velia</i> . <i>Photosynthesis Research</i> , 2014, 122, 159-169.	2.9	9
56	The Acclimation of <i>Phaeodactylum tricornutum</i> to Blue and Red Light Does Not Influence the Photosynthetic Light Reaction but Strongly Disturbs the Carbon Allocation Pattern. <i>PLoS ONE</i> , 2014, 9, e99727.	2.5	67
57	Green Algae. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 309-333.	1.0	1
58	Subcommunity FTIR-spectroscopy to determine physiological cell states. <i>Current Opinion in Biotechnology</i> , 2013, 24, 88-94.	6.6	23
59	Recovery of soil unicellular eukaryotes: An efficiency and activity analysis on the single cell level. <i>Journal of Microbiological Methods</i> , 2013, 95, 463-469.	1.6	16
60	Attitudes toward Animals among German Children and Adolescents. <i>Anthrozoos</i> , 2013, 26, 325-339.	1.4	37
61	Blue light is essential for high light acclimation and photoprotection in the diatom <i>Phaeodactylum tricornutum</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 483-493.	4.8	141
62	AUREOCHROME1a-Mediated Induction of the Diatom-Specific Cyclin <i>dsCYC2</i> Controls the Onset of Cell Division in Diatoms (<i>Phaeodactylum tricornutum</i>). <i>Plant Cell</i> , 2013, 25, 215-228.	6.6	136
63	Contrasting effects of the cyanobacterium <i>Microcystis aeruginosa</i> on the growth and physiology of two green algae, <i>Oocystis marsonii</i> and <i>Scenedesmus obliquus</i> , revealed by flow cytometry. <i>Freshwater Biology</i> , 2013, 58, 1573-1587.	2.4	38
64	Aureochrome 1a Is Involved in the Photoacclimation of the Diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2013, 8, e74451.	2.5	77
65	Lessons from Energy Balances for the Production Strategies of Biofuels. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 737-740.	0.1	0
66	3 Balancing the conversion efficiency from photon to biomass. , 2012, , 39-54.		3
67	The investigation of violaxanthin de-epoxidation in the primitive green alga <i>Mantoniella squamata</i> (Prasinophyceae) indicates mechanistic differences in xanthophyll conversion to higher plants. <i>Phycologia</i> , 2012, 51, 359-370.	1.4	3
68	Simultaneous Measurement of the Silicon Content and Physiological Parameters by FTIR Spectroscopy in Diatoms with Siliceous Cell Walls. <i>Plant and Cell Physiology</i> , 2012, 53, 2153-2162.	3.1	20
69	Methane production from glycolate excreting algae as a new concept in the production of biofuels. <i>Bioresource Technology</i> , 2012, 121, 454-457.	9.6	34
70	Analysis of greenhouse gas emissions from microalgae-based biofuels. <i>Biomass Conversion and Biorefinery</i> , 2012, 2, 179-194.	4.6	18
71	Adolescent Learning in the Zoo: Embedding a Non-Formal Learning Environment to Teach Formal Aspects of Vertebrate Biology. <i>Journal of Science Education and Technology</i> , 2012, 21, 384-391.	3.9	33
72	THE IMPACT OF NONPHOTOCHEMICAL QUENCHING OF FLUORESCENCE ON THE PHOTON BALANCE IN DIATOMS UNDER DYNAMIC LIGHT CONDITIONS ¹ . <i>Journal of Phycology</i> , 2012, 48, 336-346.	2.3	31

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73	Synchroma pusillum sp. nov. and other New Algal Isolates with Chloroplast Complexes Confirm the Synchromophyceae (Ochrophyta) as a Widely Distributed Group of Amoeboid Algae. <i>Protist</i> , 2012, 163, 544-559.	1.5	11
74	FTIR spectra of algal species can be used as physiological fingerprints to assess their actual growth potential. <i>Physiologia Plantarum</i> , 2012, 146, 427-438.	5.2	60
75	Molecular dynamics of the diatom thylakoid membrane under different light conditions. <i>Photosynthesis Research</i> , 2012, 111, 245-257.	2.9	142
76	Different phycobilin antenna organisations affect the balance between light use and growth rate in the cyanobacterium <i>Microcystis aeruginosa</i> and in the cryptophyte <i>Cryptomonas ovata</i> . <i>Photosynthesis Research</i> , 2012, 111, 173-183.	2.9	14
77	Selected coccal green algae are not affected by the humic substance Huminfeed [®] in term of growth or photosynthetic performance. <i>Hydrobiologia</i> , 2012, 684, 215-224.	2.0	7
78	The Biological Perspective. TATuP - Zeitschrift für Technikfolgenabschätzung in Theorie Und Praxis, 2012, 21, 46-53.	0.1	3
79	Energy dissipation is an essential mechanism to sustain the viability of plants: The physiological limits of improved photosynthesis. <i>Journal of Plant Physiology</i> , 2011, 168, 79-87.	3.5	177
80	Regulation of LHCII aggregation by different thylakoid membrane lipids. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 326-335.	1.0	63
81	Photosynthetic energy conversion in the diatom <i>Phaeodactylum tricornutum</i> . <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 223-231.	3.6	9
82	From photons to biomass and biofuels: evaluation of different strategies for the improvement of algal biotechnology based on comparative energy balances. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 909-919.	3.6	105
83	The impact of cell-specific absorption properties on the correlation of electron transport rates measured by chlorophyll fluorescence and photosynthetic oxygen production in planktonic algae. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 801-808.	5.8	26
84	Impact of chlororespiration on non-photochemical quenching of chlorophyll fluorescence and on the regulation of the diadinoxanthin cycle in the diatom <i>Thalassiosira pseudonana</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 509-519.	4.8	41
85	Functional heterogeneity of the fucoxanthins and fucoxanthin-chlorophyll proteins in diatom cells revealed by their electrochromic response and fluorescence and linear dichroism spectra. <i>Chemical Physics</i> , 2010, 373, 110-114.	1.9	35
86	The main thylakoid membrane lipid monogalactosyldiacylglycerol (MGDG) promotes the de-epoxidation of violaxanthin associated with the light-harvesting complex of photosystem II (LHCII). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 414-424.	1.0	74
87	The use of FTIR spectroscopy to assess quantitative changes in the biochemical composition of microalgae. <i>Journal of Biophotonics</i> , 2010, 3, 557-566.	2.3	117
88	Evidence for the Existence of One Antenna-Associated, Lipid-Dissolved and Two Protein-Bound Pools of Diadinoxanthin Cycle Pigments in Diatoms. <i>Plant Physiology</i> , 2010, 154, 1905-1920.	4.8	145
89	Fluorescence as a Tool to Understand Changes in Photosynthetic Electron Flow Regulation. , 2010, , 75-89.		11
90	The regulation of xanthophyll cycle activity and of non-photochemical fluorescence quenching by two alternative electron flows in the diatoms <i>Phaeodactylum tricornutum</i> and <i>Cyclotella meneghiniana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 929-938.	1.0	84

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91	Ultrafast fluorescence study on the location and mechanism of non-photochemical quenching in diatoms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1189-1197.	1.0	136
92	An energy balance from absorbed photons to new biomass for <i>Chlamydomonas reinhardtii</i> and <i>Chlamydomonas acidophila</i> under neutral and extremely acidic growth conditions. <i>Plant, Cell and Environment</i> , 2009, 32, 250-258.	5.7	40
93	The lipid dependence of diadinoxanthin de-epoxidation presents new evidence for a macrodomain organization of the diatom thylakoid membrane. <i>Journal of Plant Physiology</i> , 2009, 166, 1839-1854.	3.5	38
94	Lipids in Algae, Lichens and Mosses. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 117-137.	1.0	31
95	Structurally flexible macro-organization of the pigment-protein complexes of the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2008, 95, 237-245.	2.9	49
96	Ancient Recruitment by Chromists of Green Algal Genes Encoding Enzymes for Carotenoid Biosynthesis. <i>Molecular Biology and Evolution</i> , 2008, 25, 2653-2667.	8.9	139
97	A complete energy balance from photons to new biomass reveals a light- and nutrient-dependent variability in the metabolic costs of carbon assimilation. <i>Journal of Experimental Botany</i> , 2007, 58, 2101-2112.	4.8	77
98	Lipid dependence of diadinoxanthin solubilization and de-epoxidation in artificial membrane systems resembling the lipid composition of the natural thylakoid membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 67-75.	2.6	48
99	Investigation of the quenching efficiency of diatoxanthin in cells of <i>Phaeodactylum tricornutum</i> (Bacillariophyceae) with different pool sizes of xanthophyll cycle pigments. <i>Phycologia</i> , 2007, 46, 113-117.	1.4	64
100	Spectroscopic and Molecular Characterization of the Oligomeric Antenna of the Diatom <i>Phaeodactylum tricornutum</i> . <i>Biochemistry</i> , 2007, 46, 9813-9822.	2.5	114
101	The lipid composition of the unicellular green alga <i>Chlamydomonas reinhardtii</i> and the diatom <i>Cyclotella meneghiniana</i> investigated by MALDI-TOF MS and TLC. <i>Chemistry and Physics of Lipids</i> , 2007, 150, 143-155.	3.2	155
102	<i>Synchroma grande</i> spec. nov. (Synchromophyceae class. nov., Heterokontophyta): An Amoeboid Marine Alga with Unique Plastid Complexes. <i>Protist</i> , 2007, 158, 277-293.	1.5	28
103	Evidence for a rebinding of antheraxanthin to the light-harvesting complex during the epoxidation reaction of the violaxanthin cycle. <i>Journal of Plant Physiology</i> , 2006, 163, 585-590.	3.5	33
104	The importance of a highly active and pH-regulated diatoxanthin epoxidase for the regulation of the PS II antenna function in diadinoxanthin cycle containing algae. <i>Journal of Plant Physiology</i> , 2006, 163, 1008-1021.	3.5	144
105	Influence of ascorbate and pH on the activity of the diatom xanthophyll cycle-enzyme diadinoxanthin de-epoxidase. <i>Physiologia Plantarum</i> , 2006, 126, 205-211.	5.2	63
106	Uphill energy transfer from long-wavelength absorbing chlorophylls to PS II in <i>Ostreobium</i> sp. is functional in carbon assimilation. <i>Photosynthesis Research</i> , 2006, 87, 323-329.	2.9	51
107	The Regulation of Carbon and Nutrient Assimilation in Diatoms is Significantly Different from Green Algae. <i>Protist</i> , 2006, 157, 91-124.	1.5	239
108	The application of micro-FTIR spectroscopy to analyze nutrient stress-related changes in biomass composition of phytoplankton algae. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 717-726.	5.8	245

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109	COMBINATION OF FLOW CYTOMETRY AND SINGLE CELL ABSORPTION SPECTROSCOPY TO STUDY THE PHYTOPLANKTON STRUCTURE AND TO CALCULATE THE CHL A SPECIFIC ABSORPTION COEFFICIENTS AT THE TAXON LEVEL1. <i>Journal of Phycology</i> , 2005, 41, 1099-1109.	2.3	25
110	Estimation of chlorophyll content and daily primary production of the major algal groups by means of multiwavelength-excitation PAM chlorophyll fluorometry: performance and methodological limits. <i>Photosynthesis Research</i> , 2005, 83, 343-361.	2.9	92
111	Role of Hexagonal Structure-Forming Lipids in Diadinoxanthin and Violaxanthin Solubilization and De-Epoxidation. <i>Biochemistry</i> , 2005, 44, 4028-4036.	2.5	91
112	Can Chlorophyll-a in-vivo fluorescence be used for quantification of carbon-based primary production in absolute terms?. <i>Archiv für Hydrobiologie</i> , 2004, 160, 515-526.	1.1	9
113	Photophysiology and primary production of phytoplankton in freshwater. <i>Physiologia Plantarum</i> , 2004, 120, 347-357.	5.2	27
114	Effects of UV irradiation on barley and tomato leaves: thermoluminescence as a method to screen the impact of UV radiation on crop plants. <i>Functional Plant Biology</i> , 2004, 31, 825.	2.1	9
115	Cytometry of Freshwater Phytoplankton. <i>Methods in Cell Biology</i> , 2004, 75, 375-407.	1.1	16
116	Fourier transform infrared spectroscopy as a new tool to determine rosmarinic acid in situ. <i>Journal of Plant Physiology</i> , 2004, 161, 151-156.	3.5	46
117	<i>Lotharella polymorpha</i> sp. nov. (Chlorarachniophyta) from the coast of Portugal. <i>Phycologia</i> , 2003, 42, 582-593.	1.4	22
118	The Application of Chlorophyll Fluorescence in the Aquatic Environment. , 2003, , 185-202.		1
119	Flow cytometric discrimination of various phycobilin-containing phytoplankton groups in a hypertrophic reservoir. <i>Cytometry</i> , 2002, 48, 45-57.	1.8	53
120	Unusual pH-dependence of diadinoxanthin de-epoxidase activation causes chlororespiratory induced accumulation of diatoxanthin in the diatom <i>Phaeodactylum tricornutum</i> . <i>Journal of Plant Physiology</i> , 2001, 158, 383-390.	3.5	112
121	Xanthophyll synthesis in diatoms: quantification of putative intermediates and comparison of pigment conversion kinetics with rate constants derived from a model. <i>Planta</i> , 2001, 212, 382-391.	3.2	133
122	Bio-optical modelling of oxygen evolution using in vivo fluorescence: Comparison of measured and calculated photosynthesis/irradiance (P-I) curves in four representative phytoplankton species. <i>Journal of Plant Physiology</i> , 2000, 157, 307-314.	3.5	92
123	Light adaptation of the phytoplankton diatom <i>Phaeodactylum tricornutum</i> under conditions of natural light climate. <i>International Review of Hydrobiology</i> , 1997, 82, 315-328.	0.6	8
124	Pigment-pigment interactions and secondary structure of reconstituted algal chlorophyll a/b-binding light-harvesting complexes of <i>Chlorella fusca</i> with different pigment compositions and pigment-protein stoichiometries. <i>Photosynthesis Research</i> , 1996, 49, 71-81.	2.9	11
125	Why do thylakoid membranes from higher plants form grana stacks?. <i>Trends in Biochemical Sciences</i> , 1993, 18, 415-419.	7.5	180
126	Fluorescence induction kinetics as a tool to detect a chlororespiratory activity in the prasinophycean alga, <i>Mantoniella squamata</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990, 1016, 197-202.	1.0	41