John Beardall

List of Publications by Year in descending order

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288 papers	16,756 citations	15504 65 h-index	20961 115 g-index
316 all docs	316 docs citations	316 times ranked	14084 citing authors

#	Article	IF	Citations
1	A reduction in metabolism explains the tradeoffs associated with the longâ€term adaptation of phytoplankton to high CO₂ concentrations. New Phytologist, 2022, 233, 2155-2167.	7.3	13
2	Evolution of Phytoplankton in Relation to Their Physiological Traits. Journal of Marine Science and Engineering, 2022, 10, 194.	2.6	6
3	Enhancement of diatom growth and phytoplankton productivity with reduced O2 availability is moderated by rising CO2. Communications Biology, 2022, 5, 54.	4.4	16
4	Using macroalgae to address UN Sustainable Development goals through CO₂ remediation and improvement of the aquaculture environment. Applied Phycology, 2022, 3, 360-367.	1.3	4
5	The stability of pH and dissolved inorganic carbon (DIC) in microalgal culture media. Phycologia, 2022, 61, 97-103.	1.4	1
6	Profiling of grazed cultures of the chlorophyte alga Dunaliella tertiolecta using an untargeted LCâ€“MS approach. Journal of Phycology, 2022, 58, 568-581.	2.3	1
7	Cell size influences inorganic carbon acquisition in artificially selected phytoplankton. New Phytologist, 2021, 229, 2647-2659.	7.3	14
8	Elevated co₂ has Differential Effects on Five Species of Microalgae from a Subtropical Freshwater Lake: Possible Implications for Phytoplankton Species Composition. Journal of Phycology, 2021, 57, 324-334.	2.3	5
9	One hundred research questions in conservation physiology for generating actionable evidence to inform conservation policy and practice. , 2021, 9, coab009.		29
10	Nitrogen Limitation Decreases the Repair Capacity and Enhances Photoinhibition of Photosystem II in a Diatom. Photochemistry and Photobiology, 2021, 97, 745-752.	2.5	11
11	Diurnally fluctuatingpCO2 enhances growth of a coastal strain ofEmiliania huxleyiunder future-projected ocean acidification conditions. ICES Journal of Marine Science, 2021, 78, 1301-1310.	2.5	5
12	Current understanding and challenges for aquatic primary producers in a world with rising micro- and nano-plastic levels. Journal of Hazardous Materials, 2021, 406, 124685.	12.4	62
13	The inhibitory effects of the antifouling compound Irgarol 1051 on the marine diatom Skeletonema sp. across a broad range of photosynthetically active radiation. Environmental Science and Pollution Research, 2021, 28, 48535-48542.	5.3	1
14	FTIR combined with chemometric tools â€” a potential approach for early screening of grazers in microalgal cultures. Journal of Applied Phycology, 2021, 33, 2709-2722.	2.8	6
15	Data-Independent-Acquisition-Based Proteomic Approach towards Understanding the Acclimation Strategy of Oleaginous Microalga Microchloropsis gaditana CCMP526 in Hypersaline Conditions. ACS Omega, 2021, 6, 22151-22164.	3.5	2
16	Elevated pCO 2 enhances under light but reduces in darkness the growth rate of a diatom, with implications for the fate of phytoplankton below the photic zone. Limnology and Oceanography, 2021, 66, 3630.	3.1	6
17	Increased CO2 Relevant to Future Ocean Acidification Alleviates the Sensitivity of a Red Macroalgae to Solar Ultraviolet Irradiance by Modulating the Synergy Between Photosystems II and I. Frontiers in Plant Science, 2021, 12, 726538.	3.6	3
18	Influence of global environmental Change on plankton. Journal of Plankton Research, 2021, 43, 779-800.	1.8	18

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19	Oxidative and anti-oxidative responses to metal toxicity in an extremophilic alga (Cyanidium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 513-523.	1.4	1
20	Cyanobacteria-Dominated Phytoplankton in the Oligotrophic South China Sea Maintain Photosynthetic Potential Despite Diurnal Photoinactivation of PSII. Frontiers in Marine Science, 2021, 8, .	2.5	1
21	Fluorescence Measurement Techniques. , 2021, , 231-238.		0
22	Basic Concepts and Key Parameters of Chlorophyll Fluorescence. , 2021, , 221-229.		0
23	Carbon Dioxide vs. Bicarbonate Utilisation. , 2021, , 153-164.		2
24	Effects of Temperature on The UVâ€B Sensitivity of Toxic Cyanobacteria Microcystis aeruginosa CS558 and Anabaena circinalis CS537. Photochemistry and Photobiology, 2020, 96, 936-940.	2.5	3
25	Effect of elevated carbon dioxide and nitric oxide on the physiological responses of two green algae, Asterarcys quadricellulare and Chlorella sorokiniana. Journal of Applied Phycology, 2020, 32, 189-204.	2.8	18
26	Ocean acidification as a multiple driver: how interactions between changing seawater carbonate parameters affect marine life. Marine and Freshwater Research, 2020, 71, 263.	1.3	62
27	Lower Salinity Leads to Improved Physiological Performance in the Coccolithophorid Emiliania huxleyi, Which Partly Ameliorates the Effects of Ocean Acidification. Frontiers in Marine Science, 2020, 7, .	2.5	7
28	A perspective on the current status of approaches for early detection of microalgal grazing. Journal of Applied Phycology, 2020, 32, 3723-3733.	2.8	15
29	Microalgae as Potential Anti-Inflammatory Natural Product Against Human Inflammatory Skin Diseases. Frontiers in Pharmacology, 2020, 11, 1086.	3.5	33
30	Elevated CO2 concentration alleviates UVR-induced inhibition of photosynthetic light reactions and growth in an intertidal red macroalga. Journal of Photochemistry and Photobiology B: Biology, 2020, 213, 112074.	3.8	6
31	Reframing conservation physiology to be more inclusive, integrative, relevant and forward-looking: reflections and a horizon scan. , 2020, 8, coaa016.		25
32	Decreased motility of flagellated microalgae long-term acclimated to CO2-induced acidified waters. Nature Climate Change, 2020, 10, 561-567.	18.8	20
33	Non-photochemical quenching, a non-invasive probe for monitoring microalgal grazing: influence of grazing-mediated total ammonia-nitrogen. Applied Phycology, 2020, 1, 32-43.	1.3	8
34	Photosynthetic characterization of two Nannochloropsis species and its relevance to outdoor cultivation. Journal of Applied Phycology, 2020, 32, 909-922.	2.8	9
35	Differential Responses of Growth and Photochemical Performance of Marine Diatoms to Ocean Warming and High Light Irradiance. Photochemistry and Photobiology, 2020, 96, 1074-1082.	2.5	6
36	Energizing the plasmalemma of marine photosynthetic organisms: the role of primary active transport. Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 333-346.	0.8	13

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37	Structural and Biochemical Features of Carbon Acquisition in Algae. Advances in Photosynthesis and Respiration, 2020, , 141-160.	1.0	7
38	Light-Driven Oxygen Consumption in the Water-Water Cycles and Photorespiration, and Light Stimulated Mitochondrial Respiration. Advances in Photosynthesis and Respiration, 2020, , 161-178.	1.0	7
39	Acquisition of Inorganic Carbon byÂMicroalgae and Cyanobacteria. , 2020, , 151-168.		8
40	Non-photochemical quenching, a non-invasive probe for monitoring microalgal grazing: an early indicator of predation by Oxyrrhis marina and Euplotes sp.. Applied Phycology, 2020, 1, 20-31.	1.3	9
41	Ok Tedi copper mine, Papua New Guinea, stimulates algal growth in the Fly River. Sustainable Water Resources Management, 2019, 5, 425-437.	2.1	2
42	Potential control of cyanobacterial blooms by using a floatingâ€mobile electrochemical system. Journal of Chemical Technology and Biotechnology, 2019, 94, 582-589.	3.2	4
43	A metabolomic approach to investigate effects of ocean acidification on a polar microalga Chlorella sp.. Aquatic Toxicology, 2019, 217, 105349.	4.0	12
44	Combination of ocean acidification and warming enhances the competitive advantage of Skeletonema costatum over a green tide alga, Ulva linza. Harmful Algae, 2019, 85, 101698.	4.8	19
45	What is the efficiency of electro-generation of chlorine with a solid polymer electrolyte assembly?. Chemical Engineering Journal, 2019, 364, 370-375.	12.7	4
46	Green algal molecular responses to temperature stress. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	49
47	High copper and UVR synergistically reduce the photochemical activity in the marine diatom Skeletonema costatum. Journal of Photochemistry and Photobiology B: Biology, 2019, 192, 97-102.	3.8	8
48	Effects of Ocean Acidification on Marine Photosynthetic Organisms Under the Concurrent Influences of Warming, UV Radiation, and Deoxygenation. Frontiers in Marine Science, 2019, 6, .	2.5	136
49	Physiological and biochemical responses of Thalassiosira weissflogii (diatom) to seawater acidification and alkalization. ICES Journal of Marine Science, 2019, 76, 1850-1859.	2.5	8
50	Bacterial fermentation and respiration processes are uncoupled in anoxic permeable sediments. Nature Microbiology, 2019, 4, 1014-1023.	13.3	76
51	Subtropical freshwater phytoplankton show a greater response to increased temperature than to increased pCO2. Harmful Algae, 2019, 90, 101705.	4.8	20
52	Intraâ€strain Variability in the Effects of Temperature on UVâ€B Sensitivity of Cyanobacteria. Photochemistry and Photobiology, 2019, 95, 306-314.	2.5	5
53	Photosynthetic response and DNA mutation of tropical, temperate and polar Chlorella under short-term UVR stress. Polar Science, 2019, 20, 35-44.	1.2	4
54	Cell size has gene expression and biophysical consequences for cellular function. Perspectives in Phycology, 2019, 6, 81-94.	1.9	4

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55	Metal Pollution in Water: Toxicity, Tolerance and Use of Algae as a Potential Remediation Solution. Grand Challenges in Biology and Biotechnology, 2019, , 471-500.	2.4	2
56	Environmental Control of Vanadium Haloperoxidases and Halocarbon Emissions in Macroalgae. Marine Biotechnology, 2018, 20, 282-303.	2.4	21
57	Cell size, photosynthesis and the package effect: an artificial selection approach. New Phytologist, 2018, 219, 449-461.	7.3	48
58	Diatom performance in a future ocean: interactions between nitrogen limitation, temperature, and CO2-induced seawater acidification. ICES Journal of Marine Science, 2018, 75, 1451-1464.	2.5	33
59	Temporal acclimation of Microchloropsis gaditana CCMP526 in response to hypersalinity. Bioresource Technology, 2018, 254, 23-30.	9.6	8
60	Isolation and biochemical characterisation of two thermophilic green algal species- Asterarcys quadricellulare and Chlorella sorokiniana, which are tolerant to high levels of carbon dioxide and nitric oxide. Algal Research, 2018, 30, 28-37.	4.6	71
61	Variation in cell size of the diatom Coscinodiscus granii influences photosynthetic performance and growth. Photosynthesis Research, 2018, 137, 41-52.	2.9	12
62	Calcification Moderates the Increased Susceptibility to <scp>UV</scp> Radiation of the Coccolithophorid Gephryocapsa oceanica Grown under Elevated <scp>CO</scp>₂ Concentration: Evidence Based on Calcified and Nonâ€calcified Cells. Photochemistry and Photobiology, 2018, 94, 994-1002.	2.5	4
63	Electrochemical inactivation of Cylindrospermopsis raciborskii and removal of the cyanotoxin cylindrospermopsin. Journal of Hazardous Materials, 2018, 344, 241-248.	12.4	20
64	Growth and photosynthesis of Chlorella strains from polar, temperate and tropical freshwater environments under temperature stress. Journal of Oceanology and Limnology, 2018, 36, 1266-1279.	1.3	17
65	Photosynthetic and growth responses of Nannochloropsis oculata (Eustigmatophyceae) during batch cultures in relation to light intensity. Phycologia, 2018, 57, 492-502.	1.4	8
66	Algal biophotovoltaic (BPV) device for generation of bioelectricity using Synechococcus elongatus (Cyanophyta). Journal of Applied Phycology, 2018, 30, 2981-2988.	2.8	21
67	Physiological and biochemical responses of Thalassiosira punctigera to nitrate limitation. Diatom Research, 2018, 33, 135-143.	1.2	0
68	A comparison of photoautotrophic, heterotrophic, and mixotrophic growth for biomass production by the green algaScenedesmussp. (Chlorophyceae). Phycologia, 2018, 57, 309-317.	1.4	33
69	Carbon acquisition characteristics of six microalgal species isolated from a subtropical reservoir: potential implications for species succession. Journal of Phycology, 2018, 54, 599-607.	2.3	13
70	Ocean acidification and nutrient limitation synergistically reduce growth and photosynthetic performances of a green tide alga <i>Ulva linza</i>. Biogeosciences, 2018, 15, 3409-3420.	3.3	39
71	Effective electrochemical inactivation of Microcystis aeruginosa and degradation of microcystins via a novel solid polymer electrolyte sandwich. Chemical Engineering Journal, 2018, 350, 616-626.	12.7	28
72	Effect of elevated temperature on the physiological responses of marine Chlorella strains from different latitudes. Journal of Applied Phycology, 2018, 30, 1-13.	2.8	45

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73	Opportunities for, and limitations on, the functioning of very small cells, illustrated by the Chlorophyta and charophycean Streptophyta. Perspectives in Phycology, 2018, 5, 1-12.	1.9	1
74	Consequences of altered temperature regimes for emerging freshwater invertebrates. Aquatic Sciences, 2017, 79, 265-276.	1.5	13
75	UV-A induced delayed development in the larvae of coral Seriatopora caliendrum. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 249-255.	3.8	4
76	Characterisation of Pb-induced changes and prediction of Pb exposure in microalgae using infrared spectroscopy. Aquatic Toxicology, 2017, 188, 33-42.	4.0	29
77	The possible evolution and future of CO2-concentrating mechanisms. Journal of Experimental Botany, 2017, 68, 3701-3716.	4.8	111
78	Carbon assimilation and losses during an ocean acidification mesocosm experiment, with special reference to algal blooms. Marine Environmental Research, 2017, 129, 229-235.	2.5	28
79	Capacity of a temperate intertidal seagrass species to tolerate changing environmental conditions: Significance of light and tidal exposure. Ecological Indicators, 2017, 81, 578-586.	6.3	14
80	Carbon dioxide mitigation potential of seaweed aquaculture beds (SABs). Journal of Applied Phycology, 2017, 29, 2363-2373.	2.8	84
81	Use of a chemical inhibitor as an alternative approach to enhance lipid production inChlamydomonas reinhardtii(Chlorophyceae). Phycologia, 2017, 56, 159-166.	1.4	3
82	Cyanobacteria vs green algae: which group has the edge?. Journal of Experimental Botany, 2017, 68, 3697-3699.	4.8	16
83	Time for Multiple Extraction Methods in Proteomics? A Comparison of Three Protein Extraction Methods in the Eustigmatophyte AlgaMicrochloropsis gaditanaCCMP526. OMICS A Journal of Integrative Biology, 2017, 21, 678-683.	2.0	16
84	The future of seaweed aquaculture in a rapidly changing world. European Journal of Phycology, 2017, 52, 495-505.	2.0	75
85	Consequences of the genotypic loss of mitochondrial Complex I in dinoflagellates and of phenotypic regulation of Complex I content in other photosynthetic organisms. Journal of Experimental Botany, 2017, 68, 2683-2692.	4.8	14
86	Influence of different degrees of N limitation on photosystem II performance and heterogeneity of Chlorella vulgaris. Algal Research, 2017, 26, 84-92.	4.6	48
87	The role of external carbonic anhydrase in photosynthesis during growth of the marine diatom Chaetoceros muelleri. Journal of Phycology, 2017, 53, 1159-1170.	2.3	19
88	Atmospheric trace gases support primary production in Antarctic desert surface soil. Nature, 2017, 552, 400-403.	27.8	290
89	Addressing calcium carbonate cycling in blue carbon accounting. Limnology and Oceanography Letters, 2017, 2, 195-201.	3.9	100
90	Effect of UV radiation on the expulsion of Symbiodinium from the coral Pocillopora damicornis. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 12-17.	3.8	14

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91	Metabolism in anoxic permeable sediments is dominated by eukaryotic dark fermentation. Nature Geoscience, 2017, 10, 30-35.	12.9	31
92	Decreased photosynthesis and growth with reduced respiration in the model diatom Phaeodactylum tricornutum grown under elevated <scp>CO</scp>₂ over 1800 generations. Global Change Biology, 2017, 23, 127-137.	9.5	73
93	Growth and Photosynthetic Characteristics of Toxic and Non-Toxic Strains of the Cyanobacteria Microcystis aeruginosa and Anabaena circinalis in Relation to Light. Microorganisms, 2017, 5, 45.	3.6	24
94	Commentary: Evaluating the Role of Seagrass in Cenozoic CO2 Variations. Frontiers in Environmental Science, 2017, 5, .	3.3	2
95	Photosynthetic physiology of Scenedesmus sp. (Chlorophyceae) under photoautotrophic and molasses-based heterotrophic and mixotrophic conditions. Phycologia, 2017, 56, 666-674.	1.4	12
96	Ocean acidification modulates expression of genes and physiological performance of a marine diatom. PLoS ONE, 2017, 12, e0170970.	2.5	21
97	Differential photosynthetic responses of marine planktonic and benthic diatoms to ultraviolet radiation under various temperature regimes. Biogeosciences, 2017, 14, 5029-5037.	3.3	14
98	Elevated CO2 and associated seawater chemistry do not benefit a model diatom grown with increased availability of light. Aquatic Microbial Ecology, 2017, 79, 137-147.	1.8	20
99	Impact of inhibitors of amino acid, protein, and RNA synthesis on C allocation in the diatom Chaetoceros muellerii: a FTIR approach. Algae, 2017, 32, 161-170.	2.3	8
100	Blooms of cyanobacteria in a temperate Australian lagoon system post and prior to European settlement. Biogeosciences, 2016, 13, 3677-3686.	3.3	8
101	Understanding the winning strategies used by the bloom-forming cyanobacterium Cylindrospermopsis raciborskii. Harmful Algae, 2016, 54, 44-53.	4.8	152
102	Algal Photosynthesis and Physiology. , 2016, , 1-19.		3
103	The role of bioirrigation in sediment phosphorus dynamics and blooms of toxic cyanobacteria in a temperate lagoon. Environmental Modelling and Software, 2016, 86, 277-304.	4.5	8
104	Incident Ultraviolet Irradiances Influence Physiology, Development and Settlement of Larva in the Coral Pocillopora damicornis. Photochemistry and Photobiology, 2016, 92, 293-300.	2.5	12
105	Effects of lead on growth, photosynthetic characteristics and production of reactive oxygen species of two freshwater green algae. Chemosphere, 2016, 147, 420-429.	8.2	79
106	Carbon Acquisition by Microalgae. , 2016, , 89-99.		29
107	Dark Respiration and Organic Carbon Loss. , 2016, , 129-140.		13
108	Effect of high CO2 concentrations on the growth and macromolecular composition of a heat- and high-light-tolerant microalga. Journal of Applied Phycology, 2016, 28, 2631-2640.	2.8	33

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109	Nutrient induced fluorescence transients (NIFTs) provide a rapid measure of P and C (co-)limitation in a green alga. European Journal of Phycology, 2016, 51, 47-58.	2.0	8
110	Effects of lead on two green microalgae Chlorella and Scenedesmus: photosystem II activity and heterogeneity. Algal Research, 2016, 16, 150-159.	4.6	47
111	The ins and outs of CO₂. Journal of Experimental Botany, 2016, 67, 1-13.	4.8	102
112	Impacts of nitrogen and phosphorus starvation on the physiology of Chlamydomonas reinhardtii. Journal of Applied Phycology, 2016, 28, 1509-1520.	2.8	84
113	Snapshot prediction of carbon productivity, carbon and protein content in a Southern Ocean diatom using FTIR spectroscopy. ISME Journal, 2016, 10, 416-426.	9.8	24
114	Nitrate limitation and ocean acidification interact with UV-B to reduce photosynthetic performance in the diatom <i>Phaeodactylum tricornutum</i>. Biogeosciences, 2015, 12, 2383-2393.	3.3	23
115	Can macroalgae contribute to blue carbon? An <scp>A</scp>ustralian perspective. Limnology and Oceanography, 2015, 60, 1689-1706.	3.1	153
116	Response of Growth and Photosynthesis of Emiliania huxleyi to Visible and <scp>UV</scp> Irradiances under Different Light Regimes. Photochemistry and Photobiology, 2015, 91, 343-349.	2.5	16
117	Restricted use of nitrate and a strong preference for ammonium reflects the nitrogen ecophysiology of a lightâ€limited red alga. Journal of Phycology, 2015, 51, 277-287.	2.3	24
118	Photo-acclimation to low lightâ€”Changes from growth to antenna size in the cyanobacterium Cylindrospermopsis raciborskii. Harmful Algae, 2015, 46, 11-17.	4.8	15
119	Comparison of marine macrophytes for their contributions to blue carbon sequestration. Ecology, 2015, 96, 3043-3057.	3.2	162
120	Electron transport kinetics in the diazotrophic cyanobacterium Trichodesmium spp. grown across a range of light levels. Photosynthesis Research, 2015, 124, 45-56.	2.9	10
121	Constitutive Cylindrospermopsin Pool Size in Cylindrospermopsis raciborskii under Different Light and CO ₂ Partial Pressure Conditions. Applied and Environmental Microbiology, 2015, 81, 3069-3076.	3.1	38
122	Impacts of phosphorus availability on lipid production by Chlamydomonas reinhardtii. Algal Research, 2015, 12, 191-196.	4.6	31
123	Ocean acidification increases the accumulation of toxic phenolic compounds across trophic levels. Nature Communications, 2015, 6, 8714.	12.8	91
124	Extremophilic micro-algae and their potential contribution in biotechnology. Bioresource Technology, 2015, 184, 363-372.	9.6	224
125	Viral attack exacerbates the susceptibility of a bloomâ€forming alga to ocean acidification. Global Change Biology, 2015, 21, 629-636.	9.5	21
126	Interactive Effects of Temperature and UV Radiation on Photosynthesis of Chlorella Strains from Polar, Temperate and Tropical Environments: Differential Impacts on Damage and Repair. PLoS ONE, 2015, 10, e0139469.	2.5	44

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127	Physiological Responses of a Model Marine Diatom to Fast pH Changes: Special Implications of Coastal Water Acidification. PLoS ONE, 2015, 10, e0141163.	2.5	9
128	Taxon-specific responses of Southern Ocean diatoms to Fe enrichment revealed by synchrotron radiation FTIR microspectroscopy. Biogeosciences, 2014, 11, 5795-5808.	3.3	24
129	A red tide alga grown under ocean acidification upregulates its tolerance to lower pH by increasing its photophysiological functions. Biogeosciences, 2014, 11, 4829-4837.	3.3	16
130	Energy costs of carbon dioxide concentrating mechanisms in aquatic organisms. Photosynthesis Research, 2014, 121, 111-124.	2.9	199
131	State-transitions facilitate robust quantum yields and cause an over-estimation of electron transport in Dunaliella tertiolecta cells held at the CO2 compensation point and re-supplied with DIC. Photosynthesis Research, 2014, 119, 257-272.	2.9	10
132	Moving beyond methods: the need for a diverse programme in climate change research. Ecology Letters, 2014, 17, 125.	6.4	6
133	CO 2 concentrating mechanisms and environmental change. Aquatic Botany, 2014, 118, 24-37.	1.6	92
134	Photosynthetic characteristics of two <scp>C</scp>ylindrospermopsis raciborskii strains differing in their toxicity. Journal of Phycology, 2014, 50, 292-302.	2.3	46
135	CO2 acquisition in Chlamydomonas acidophila is influenced mainly by CO2, not phosphorus, availability. Photosynthesis Research, 2014, 121, 213-221.	2.9	11
136	Elevated CO2 causes changes in the photosynthetic apparatus of a toxic cyanobacterium, Cylindrospermopsis raciborskii. Journal of Plant Physiology, 2014, 171, 1091-1098.	3.5	35
137	Contrasting ecotoxicity effects of zinc on growth and photosynthesis in a neutrophilic alga (Chlamydomonas reinhardtii) and an extremophilic alga (Cyanidium caldarium). Chemosphere, 2014, 112, 402-411.	8.2	17
138	Interactive effects of nutrient supply and other environmental factors on the sensitivity of marine primary producers to ultraviolet radiation: implications for the impacts of global change. Aquatic Biology, 2014, 22, 5-23.	1.4	62
139	Light acclimation and pH perturbations affect photosynthetic performance in Chlorella mass culture. Aquatic Biology, 2014, 22, 95-110.	1.4	16
140	Means and extremes: building variability into communityâ€level climate change experiments. Ecology Letters, 2013, 16, 799-806.	6.4	278
141	What is conservation physiology? Perspectives on an increasingly integrated and essential science. , 2013, 1, cot001-cot001.		350
142	<scp>CO₂</scp>â€concentrating mechanisms in three southern hemisphere strains of <scp>E</scp>miliania huxleyi. Journal of Phycology, 2013, 49, 670-679.	2.3	31
143	Limits to Phototrophic Growth in Dense Culture: CO2 Supply and Light. , 2013, , 91-97.		27
144	Survival in low light: photosynthesis and growth of a red alga in relation to measured in situ irradiance. Journal of Phycology, 2013, 49, 867-879.	2.3	26

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145	Impacts of nitrogen limitation on the sinking rate of the coccolithophoridEmiliania huxleyi(Prymnesiophyceae). Phycologia, 2013, 52, 288-294.	1.4	14
146	Interactions of photosynthesis with genome size and function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120264.	4.0	48
147	Calcification and ocean acidification: new insights from the coccolithophore Emiliania huxleyi. New Phytologist, 2013, 199, 1-3.	7.3	17
148	EVOLUTIONARY RESPONSES OF A COCCOLITHOPHORIDGEPHYROCAPSA OCEANICATO OCEAN ACIDIFICATION. Evolution; International Journal of Organic Evolution, 2013, 67, 1869-1878.	2.3	77
149	Assimilation of Diazotrophic Nitrogen into Pelagic Food Webs. PLoS ONE, 2013, 8, e67588.	2.5	19
150	Phenotypic Plasticity of Southern Ocean Diatoms: Key to Success in the Sea Ice Habitat?. PLoS ONE, 2013, 8, e81185.	2.5	63
151	Changes in pH at the exterior surface of plankton with ocean acidification. Nature Climate Change, 2012, 2, 510-513.	18.8	158
152	The impacts of a high CO2 environment on a bicarbonate user: The cyanobacterium Cylindrospermopsis raciborskii. Water Research, 2012, 46, 1430-1437.	11.3	29
153	Interactive Effects of Ocean Acidification and Nitrogen-Limitation on the Diatom Phaeodactylum tricornutum. PLoS ONE, 2012, 7, e51590.	2.5	86
154	Algal evolution in relation to atmospheric CO ₂ : carboxylases, carbon-concentrating mechanisms and carbon oxidation cycles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 493-507.	4.0	231
155	Environmental controls on the nitrogen-fixing cyanobacterium Nodularia spumigena in a temperate lagoon system in SE Australia. Marine Ecology - Progress Series, 2012, 461, 47-57.	1.9	11
156	Diversity of carbon use strategies in a kelp forest community: implications for a high CO2 ocean. Global Change Biology, 2011, 17, 2488-2497.	9.5	233
157	Neither elevated nor reduced CO2 affects the photophysiological performance of the marine Antarctic diatom Chaetoceros brevis. Journal of Experimental Marine Biology and Ecology, 2011, 406, 38-45.	1.5	71
158	Potential triggers of akinete differentiation in Nodularia spumigena (Cyanobacteriaceae) isolated from Australia. Hydrobiologia, 2011, 671, 165-180.	2.0	11
159	Using marine macroalgae for carbon sequestration: a critical appraisal. Journal of Applied Phycology, 2011, 23, 877-886.	2.8	246
160	Algal and aquatic plant carbon concentrating mechanisms in relation to environmental change. Photosynthesis Research, 2011, 109, 281-296.	2.9	218
161	Photoacclimation in Dunaliella tertiolecta reveals a unique NPQ pattern upon exposure to irradiance. Photosynthesis Research, 2011, 110, 123-137.	2.9	17
162	Differential responses of growth and photosynthesis in the marine diatomChaetoceros muellerito CO₂and light availability. Phycologia, 2011, 50, 182-193.	1.4	52

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163	Relative effects of local and landscape factors on wetland algal biomass over a salinity gradient. Aquatic Sciences, 2010, 72, 191-202.	1.5	3
164	Environmental influences on akinete germination and development in Nodularia spumigena (Cyanobacteriaceae), isolated from the Gippsland Lakes, Victoria, Australia. Hydrobiologia, 2010, 649, 239-247.	2.0	14
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