

# John A Raven

## List of Publications by Year in descending order

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Version: 2024-02-01

275  
papers

26,178  
citations

5896

81  
h-index

7950

149  
g-index

290  
all docs

290  
docs citations

290  
times ranked

21743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Marine macroalgae are an overlooked sink of silicon in coastal systems. <i>New Phytologist</i> , 2022, 233, 2330-2336.	7.3	2
2	Evolution of Phytoplankton in Relation to Their Physiological Traits. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 194.	2.6	6
3	Forensic carbon accounting: Assessing the role of seaweeds for carbon sequestration. <i>Journal of Phycology</i> , 2022, 58, 347-363.	2.3	53
4	Potential negative effects of ocean afforestation on offshore ecosystems. <i>Nature Ecology and Evolution</i> , 2022, 6, 675-683.	7.8	26
5	A mechanistic study of the influence of nitrogen and energy availability on the NH <sub>4</sub> <sup>+</sup> sensitivity of nitrogen assimilation in <i>Synechococcus</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 5596-5611.	4.8	1
6	Cell size influences inorganic carbon acquisition in artificially selected phytoplankton. <i>New Phytologist</i> , 2021, 229, 2647-2659.	7.3	14
7	Determinants, and implications, of the shape and size of thylakoids and cristae. <i>Journal of Plant Physiology</i> , 2021, 257, 153342.	3.5	10
8	Protein assemblages and tight curves in the plasma membranes of photosynthetic eukaryotes. <i>Journal of Plant Physiology</i> , 2021, 256, 153330.	3.5	0
9	Origin of the roles of potassium in biology. <i>BioEssays</i> , 2021, 43, 2000302.	2.5	4
10	The maximum growth rate hypothesis is correct for eukaryotic photosynthetic organisms, but not cyanobacteria. <i>New Phytologist</i> , 2021, 230, 601-611.	7.3	10
11	<i>Gloeobacter</i> and the implications of a freshwater origin of Cyanobacteria. <i>Phycologia</i> , 2021, 60, 402-418.	1.4	18
12	Testing the climate intervention potential of ocean afforestation using the Great Atlantic Sargassum Belt. <i>Nature Communications</i> , 2021, 12, 2556.	12.8	79
13	Nucleic acid requirement of plants from low phosphorus habitats. A Commentary on: Foliar nutrient-allocation patterns in <i>Banksia attenuata</i> and <i>Banksia sessilis</i> differing in growth rate and adaptation to low-phosphorus habitats. <i>Annals of Botany</i> , 2021, 128, iv-vi.	2.9	4
14	Influence of global environmental Change on plankton. <i>Journal of Plankton Research</i> , 2021, 43, 779-800.	1.8	18
15	Phytoplankton Growth and Nutrients. , 2021, , .		1
16	Movement of Aquatic Oxygenic Photosynthetic Organisms. <i>Progress in Botany Fortschritte Der Botanik</i> , 2021, , .	0.3	0
17	Dynamic CO <sub>2</sub> and pH levels in coastal, estuarine, and inland waters: Theoretical and observed effects on harmful algal blooms. <i>Harmful Algae</i> , 2020, 91, 101594.	4.8	88
18	Neoproterozoic origin and multiple transitions to macroscopic growth in green seaweeds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2551-2559.	7.1	85

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19	Ocean acidification as a multiple driver: how interactions between changing seawater carbonate parameters affect marine life. <i>Marine and Freshwater Research</i> , 2020, 71, 263.	1.3	62
20	Inorganic carbon concentrating mechanisms in free-living and symbiotic dinoflagellates and chromerids. <i>Journal of Phycology</i> , 2020, 56, 1377-1397.	2.3	13
21	Regional variation in $\delta^{13}C$ of coral reef macroalgae. <i>Limnology and Oceanography</i> , 2020, 65, 2291-2302.	3.1	14
22	How can large-celled diatoms rapidly modulate sinking rates episodically?. <i>Journal of Experimental Botany</i> , 2020, 71, 3386-3389.	4.8	9
23	Chloride involvement in the synthesis, functioning and repair of the photosynthetic apparatus <i>in vivo</i> . <i>New Phytologist</i> , 2020, 227, 334-342.	7.3	16
24	Evolutionary temperature compensation of carbon fixation in marine phytoplankton. <i>Ecology Letters</i> , 2020, 23, 722-733.	6.4	86
25	Energizing the plasmalemma of marine photosynthetic organisms: the role of primary active transport. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2020, 100, 333-346.	0.8	13
26	Structural and Biochemical Features of Carbon Acquisition in Algae. <i>Advances in Photosynthesis and Respiration</i> , 2020, , 141-160.	1.0	7
27	Light-Driven Oxygen Consumption in the Water-Water Cycles and Photorespiration, and Light Stimulated Mitochondrial Respiration. <i>Advances in Photosynthesis and Respiration</i> , 2020, , 161-178.	1.0	7
28	Acquisition of Inorganic Carbon by Microalgae and Cyanobacteria. , 2020, , 151-168.		8
29	Microbial rhodopsins are major contributors to the solar energy captured in the sea. <i>Science Advances</i> , 2019, 5, eaaw8855.	10.3	97
30	The future of Blue Carbon science. <i>Nature Communications</i> , 2019, 10, 3998.	12.8	406
31	Effect of reduced irradiance on $^{13}C$ uptake, gene expression and protein activity of the seagrass <i>Zostera muelleri</i> . <i>Marine Environmental Research</i> , 2019, 149, 80-89.	2.5	2
32	Ecological implications of recently discovered and poorly studied sources of energy for the growth of true fungi especially in extreme environments. <i>Fungal Ecology</i> , 2019, 39, 380-387.	1.6	11
33	Genome and cell size variation across algal taxa. <i>Perspectives in Phycology</i> , 2019, 6, 59-80.	1.9	8
34	Cell size has gene expression and biophysical consequences for cellular function. <i>Perspectives in Phycology</i> , 2019, 6, 81-94.	1.9	4
35	Effect of carbon limitation on photosynthetic electron transport in <i>Nannochloropsis oculata</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 31-43.	3.8	13
36	Evolution and palaeophysiology of the vascular system and other means of long-distance transport. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160497.	4.0	14

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37	Costs of acquiring phosphorus by vascular land plants: patterns and implications for plant coexistence. <i>New Phytologist</i> , 2018, 217, 1420-1427.	7.3	154
38	Low oxygen affects photophysiology and the level of expression of two-carbon metabolism genes in the seagrass <i>Zostera muelleri</i> . <i>Photosynthesis Research</i> , 2018, 136, 147-160.	2.9	31
39	Blue carbon: past, present and future, with emphasis on macroalgae. <i>Biology Letters</i> , 2018, 14, 20180336.	2.3	41
40	Insights into the Evolution of Multicellularity from the Sea Lettuce Genome. <i>Current Biology</i> , 2018, 28, 2921-2933.e5.	3.9	134
41	A tale of two eras: Phytoplankton composition influenced by oceanic paleochemistry. <i>Geobiology</i> , 2018, 16, 498-506.	2.4	10
42	Photosynthesis and Metabolism of Seagrasses. , 2018, , 315-342.		13
43	Carbonate Disequilibrium in the External Boundary Layer of Freshwater Chrysophytes: Implications for Contaminant Uptake. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9403-9411.	10.0	11
44	The potential effect of low cell osmolarity on cell function through decreased concentration of enzyme substrates. <i>Journal of Experimental Botany</i> , 2018, 69, 4667-4673.	4.8	7
45	How long have photosynthetic organisms been aggregating soils?. <i>New Phytologist</i> , 2018, 219, 1139-1141.	7.3	2
46	Opportunities for, and limitations on, the functioning of very small cells, illustrated by the Chlorophyta and charophycean Streptophyta. <i>Perspectives in Phycology</i> , 2018, 5, 1-12.	1.9	1
47	Chloride: essential micronutrient and multifunctional beneficial ion. <i>Journal of Experimental Botany</i> , 2017, 38, erw421.	4.8	42
48	The possible evolution and future of CO <sub>2</sub> -concentrating mechanisms. <i>Journal of Experimental Botany</i> , 2017, 68, 3701-3716.	4.8	111
49	The Algal Revolution. <i>Trends in Plant Science</i> , 2017, 22, 726-738.	8.8	73
50	Intraspecific chemical communication in microalgae. <i>New Phytologist</i> , 2017, 215, 516-530.	7.3	34
51	In <i>Synechococcus</i> sp. competition for energy between assimilation and acquisition of C and those of N only occurs when growth is light limited. <i>Journal of Experimental Botany</i> , 2017, 68, 3829-3839.	4.8	11
52	Symbiosis Involving Photosynthetic Organisms. , 2017, , 3-41.		3
53	Cyanobacteria vs green algae: which group has the edge?. <i>Journal of Experimental Botany</i> , 2017, 68, 3697-3699.	4.8	16
54	The possible roles of algae in restricting the increase in atmospheric CO <sub>2</sub> and global temperature. <i>European Journal of Phycology</i> , 2017, 52, 506-522.	2.0	38

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55	Consequences of the genotypic loss of mitochondrial Complex I in dinoflagellates and of phenotypic regulation of Complex I content in other photosynthetic organisms. <i>Journal of Experimental Botany</i> , 2017, 68, 2683-2692.	4.8	14
56	Biotic interactions as drivers of algal origin and evolution. <i>New Phytologist</i> , 2017, 216, 670-681.	7.3	25
57	Acquisition and metabolism of carbon in the Ochrophyta other than diatoms. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160400.	4.0	25
58	Oceanic protists with different forms of acquired phototrophy display contrasting biogeographies and abundance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170664.	2.6	63
59	Early photosynthetic eukaryotes inhabited low-salinity habitats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7737-E7745.	7.1	244
60	Reply to Nakov et al.: Model choice requires biological insight when studying the ancestral habitat of photosynthetic eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10608-E10609.	7.1	9
61	Inorganic carbon physiology underpins macroalgal responses to elevated CO <sub>2</sub> . <i>Scientific Reports</i> , 2017, 7, 46297.	3.3	119
62	Carbon-concentrating mechanisms in seagrasses. <i>Journal of Experimental Botany</i> , 2017, 68, 3773-3784.	4.8	48
63	The relative availability of inorganic carbon and inorganic nitrogen influences the response of the dinoflagellate <i>Protoceratium reticulatum</i> to elevated CO <sub>2</sub> . <i>Journal of Phycology</i> , 2017, 53, 298-307.	2.3	12
64	Algae as nutritional and functional food sources: revisiting our understanding. <i>Journal of Applied Phycology</i> , 2017, 29, 949-982.	2.8	984
65	What is the limit for photoautotrophic plankton growth rates?. <i>Journal of Plankton Research</i> , 2017, 39, 13-22.	1.8	35
66	Energy cost and putative benefits of cellular mechanisms modulating buoyancy in aflagellate marine phytoplankton. <i>Journal of Phycology</i> , 2016, 52, 239-251.	2.3	27
67	Pluses and minuses of ammonium and nitrate uptake and assimilation by phytoplankton and implications for productivity and community composition, with emphasis on nitrogen-enriched conditions. <i>Limnology and Oceanography</i> , 2016, 61, 165-197.	3.1	475
68	Energy cost of intracellular metal and metalloid detoxification in wild-type eukaryotic phytoplankton. <i>Metallomics</i> , 2016, 8, 1097-1109.	2.4	11
69	Algal Photosynthesis and Physiology. , 2016, , 1-19.		3
70	Carbon Acquisition by Microalgae. , 2016, , 89-99.		29
71	Dark Respiration and Organic Carbon Loss. , 2016, , 129-140.		13
72	Combined Nitrogen. , 2016, , 143-154.		29

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73	Defining Planktonic Protist Functional Groups on Mechanisms for Energy and Nutrient Acquisition: Incorporation of Diverse Mixotrophic Strategies. <i>Protist</i> , 2016, 167, 106-120.	1.5	290
74	Life at the boundary: photosynthesis at the soil–fluid interface. A synthesis focusing on mosses: Table 1.. <i>Journal of Experimental Botany</i> , 2016, 67, 1613-1623.	4.8	15
75	The ins and outs of CO <sub>2</sub> . <i>Journal of Experimental Botany</i> , 2016, 67, 1-13.	4.8	102
76	Growth rate hypothesis and efficiency of protein synthesis under different sulphate concentrations in two green algae. <i>Plant, Cell and Environment</i> , 2015, 38, 2313-2317.	5.7	26
77	Compartmentation of defensive compound synthesis in a red alga. <i>Journal of Phycology</i> , 2015, 51, 222-224.	2.3	0
78	Harry Smith, FRS: co-founding editor and first Chief Editor of <i>Plant, Cell &amp; Environment</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 1453-1454.	5.7	0
79	Gas Transfer Controls Carbon Limitation During Biomass Production by Marine Microalgae. <i>ChemSusChem</i> , 2015, 8, 2727-2736.	6.8	17
80	Could land-based early photosynthesizing ecosystems have bioengineered the planet in mid-Palaeozoic times?. <i>Palaeontology</i> , 2015, 58, 803-837.	2.2	62
81	Acclimation, adaptation, traits and trade-offs in plankton functional type models: reconciling terminology for biology and modelling. <i>Journal of Plankton Research</i> , 2015, 37, 683-691.	1.8	32
82	Photosynthesis in reproductive structures: costs and benefits. <i>Journal of Experimental Botany</i> , 2015, 66, 1699-1705.	4.8	35
83	Implications of mutation of organelle genomes for organelle function and evolution. <i>Journal of Experimental Botany</i> , 2015, 66, 5639-5650.	4.8	14
84	Enhanced biofuel production using optimality, pathway modification and waste minimization. <i>Journal of Applied Phycology</i> , 2015, 27, 1-31.	2.8	49
85	The Effect of Diel Temperature and Light Cycles on the Growth of <i>Nannochloropsis oculata</i> in a Photobioreactor Matrix. <i>PLoS ONE</i> , 2014, 9, e86047.	2.5	36
86	Growth rate affects the responses of the green alga <i>Tetraselmis suecica</i> to external perturbations. <i>Plant, Cell and Environment</i> , 2014, 37, 512-519.	5.7	45
87	The future of the northeast Atlantic benthic flora in a high CO <sub>2</sub> world. <i>Ecology and Evolution</i> , 2014, 4, 2787-2798.	1.9	176
88	Active water transport in unicellular algae: where, why, and how. <i>Journal of Experimental Botany</i> , 2014, 65, 6279-6292.	4.8	43
89	Photosynthesis in Early Land Plants: Adapting to the Terrestrial Environment. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 29-58.	1.0	18
90	Swanson biospheres II: the final signs of life on terrestrial planets near the end of their habitable lifetimes. <i>International Journal of Astrobiology</i> , 2014, 13, 229-243.	1.6	49

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91	Energy costs of carbon dioxide concentrating mechanisms in aquatic organisms. <i>Photosynthesis Research</i> , 2014, 121, 111-124.	2.9	199
92	A Neoproterozoic Transition in the Marine Nitrogen Cycle. <i>Current Biology</i> , 2014, 24, 652-657.	3.9	113
93	Speedy small stomata?. <i>Journal of Experimental Botany</i> , 2014, 65, 1415-1424.	4.8	144
94	Low levels of ribosomal rRNA partly account for the very high photosynthetic phosphorus-use efficiency of <i>Prochlorococcus</i> species. <i>Plant, Cell and Environment</i> , 2014, 37, 1276-1298.	5.7	121
95	Nitrogen and sulfur assimilation in plants and algae. <i>Aquatic Botany</i> , 2014, 118, 45-61.	1.6	108
96	Algae. <i>Current Biology</i> , 2014, 24, R590-R595.	3.9	41
97	Photosynthetic acclimation of <i>Nannochloropsis oculata</i> investigated by multi-wavelength chlorophyll fluorescence analysis. <i>Bioresource Technology</i> , 2014, 167, 521-529.	9.6	28
98	Cells inside Cells: Symbiosis and Continuing Phagotrophy. <i>Current Biology</i> , 2013, 23, R530-R531.	3.9	16
99	The mixotrophic nature of photosynthetic plants. <i>Functional Plant Biology</i> , 2013, 40, 425.	2.1	33
100	The evolution of autotrophy in relation to phosphorus requirement. <i>Journal of Experimental Botany</i> , 2013, 64, 4023-4046.	4.8	40
101	rubisco: still the most abundant protein of Earth?. <i>New Phytologist</i> , 2013, 198, 1-3.	7.3	143
102	Limits to Phototrophic Growth in Dense Culture: CO <sub>2</sub> Supply and Light. , 2013, , 91-97.		27
103	Energy, genes and evolution: introduction to an evolutionary synthesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120253.	4.0	32
104	Swansong Biospheres: The biosignatures of inhabited earth-like planets nearing the end of their habitable lifetimes. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 378-379.	0.0	1
105	Misuse of the phytoplankton-zooplankton dichotomy: the need to assign organisms as mixotrophs within plankton functional types. <i>Journal of Plankton Research</i> , 2013, 35, 3-11.	1.8	344
106	RNA function and phosphorus use by photosynthetic organisms. <i>Frontiers in Plant Science</i> , 2013, 4, 536.	3.6	56
107	Interactions of photosynthesis with genome size and function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120264.	4.0	48
108	Polar auxin transport in relation to long-distance transport of nutrients in the Charales: Table 1.. <i>Journal of Experimental Botany</i> , 2013, 64, 1-9.	4.8	43

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109	Iron acquisition and allocation in stramenopile algae. <i>Journal of Experimental Botany</i> , 2013, 64, 2119-2127.	4.8	26
110	Half a Century of Pursuing the Pervasive Proton. <i>Progress in Botany Fortschritte Der Botanik</i> , 2013, , 3-34.	0.3	20
111	Brown Dwarfs and Black Smokers: The Potential for Photosynthesis Using Radiation from Low-Temperature Black Bodies. <i>Cellular Origin and Life in Extreme Habitats</i> , 2013, , 267-284.	0.3	6
112	Ecophysiology of photosynthesis in macroalgae. <i>Photosynthesis Research</i> , 2012, 113, 105-125.	2.9	142
113	Changes in pH at the exterior surface of plankton with ocean acidification. <i>Nature Climate Change</i> , 2012, 2, 510-513.	18.8	158
114	Protein turnover and plant RNA and phosphorus requirements in relation to nitrogen fixation. <i>Plant Science</i> , 2012, 188-189, 25-35.	3.6	78
115	Opportunities for improving phosphorus use efficiency in crop plants. <i>New Phytologist</i> , 2012, 195, 306-320.	7.3	702
116	Algal Biogeography: Metagenomics Shows Distribution of a Picoplanktonic Pelagophyte. <i>Current Biology</i> , 2012, 22, R682-R683.	3.9	11
117	Algal evolution in relation to atmospheric CO <sub>2</sub> : carboxylases, carbon-concentrating mechanisms and carbon oxidation cycles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 493-507.	4.0	231
118	Protein elemental sparing and codon usage bias are correlated among bacteria. <i>Molecular Ecology</i> , 2012, 21, 2480-2487.	3.9	19
119	Energy Sources for, and Detectability of, Life on Extrasolar Planets. <i>Cellular Origin and Life in Extreme Habitats</i> , 2012, , 835-857.	0.3	2
120	The Response of <i>Thalassiosira pseudonana</i> to Long-Term Exposure to Increased CO <sub>2</sub> and Decreased pH. <i>PLoS ONE</i> , 2011, 6, e26695.	2.5	103
121	The cost of photoinhibition. <i>Physiologia Plantarum</i> , 2011, 142, 87-104.	5.2	263
122	Impact of irradiance on the C allocation in the coastal marine diatom <i>Skeletonema marinoi</i> Sarno and Zingone*. <i>Plant, Cell and Environment</i> , 2011, 34, 1666-1677.	5.7	55
123	IMPACT OF TAXONOMY, GEOGRAPHY, AND DEPTH ON <sup>13</sup> C AND <sup>15</sup> N VARIATION IN A LARGE COLLECTION OF MACROALGAE <sup>1</sup> . <i>Journal of Phycology</i> , 2011, 47, 1023-1035.	2.3	49
124	Climate: Baselines for the Biological Effects of Environmental Change. <i>Current Biology</i> , 2011, 21, R190-R192.	3.9	0
125	Plant mineral nutrition in ancient landscapes: high plant species diversity on infertile soils is linked to functional diversity for nutritional strategies. <i>Plant and Soil</i> , 2011, 348, 7-27.	3.7	99
126	Algal and aquatic plant carbon concentrating mechanisms in relation to environmental change. <i>Photosynthesis Research</i> , 2011, 109, 281-296.	2.9	218



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127	Geomicrobiology of Eukaryotic Microorganisms. <i>Geomicrobiology Journal</i> , 2010, 27, 491-519.	2.0	96
128	$\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in tissue of coral polyps and epilithic algae inhabiting damaged coral colonies under the influence of different light intensities. <i>Aquatic Ecology</i> , 2010, 44, 13-21.	1.5	6
129	Plant mineral nutrition in ancient landscapes: high plant species diversity on infertile soils is linked to functional diversity for nutritional strategies. <i>Plant and Soil</i> , 2010, 334, 11-31.	3.7	323
130	Inorganic carbon acquisition by eukaryotic algae: four current questions. <i>Photosynthesis Research</i> , 2010, 106, 123-134.	2.9	125
131	Cyanotoxins: A Poison that Frees Phosphate. <i>Current Biology</i> , 2010, 20, R850-R852.	3.9	13
132	Grasses. <i>Current Biology</i> , 2010, 20, R837-R839.	3.9	8
133	IS THE GROWTH RATE HYPOTHESIS APPLICABLE TO MICROALGAE?1. <i>Journal of Phycology</i> , 2010, 46, 1-12.	2.3	105
134	A Metabolomic Approach to Study Major Metabolite Changes during Acclimation to Limiting CO <sub>2</sub> in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2010, 154, 187-196.	4.8	80
135	Non-Skeletal Biomineralization by Eukaryotes: Matters of Moment and Gravity. <i>Geomicrobiology Journal</i> , 2010, 27, 572-584.	2.0	51
136	Evolution of tree nutrition. <i>Tree Physiology</i> , 2010, 30, 1050-1071.	3.1	38
137	How Have Genome Studies Improved Our Understanding of Organelle Evolution and Metabolism in Red Algae?. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010, , 275-290.	0.3	1
138	Growth and photoregulation dynamics of the picoeukaryote <i>Pelagomonas calceolata</i> in fluctuating light. <i>Limnology and Oceanography</i> , 2009, 54, 823-836.	3.1	76
139	Biological Approaches to Global Environment Change Mitigation and Remediation. <i>Current Biology</i> , 2009, 19, R615-R623.	3.9	42
140	The luggage hypothesis: Comparisons of two phototrophic hosts with nitrogen-fixing cyanobacteria and implications for analogous life strategies for kleptoplastids/secondary symbiosis in dinoflagellates. <i>Symbiosis</i> , 2009, 49, 61-70.	2.3	16
141	PRIMARY CARBON AND NITROGEN METABOLIC GENE EXPRESSION IN THE DIATOM <i>THALASSIOSIRA PSEUDONANA</i> (BACILLARIOPHYCEAE): DIEL PERIODICITY AND EFFECTS OF INORGANIC CARBON AND NITROGEN <sup>1</sup> . <i>Journal of Phycology</i> , 2009, 45, 1083-1092.	2.3	46
142	INORGANIC CARBON ACQUISITION BY CHRYSOPHYTES <sup>1</sup> . <i>Journal of Phycology</i> , 2009, 45, 1052-1061.	2.3	94
143	TESTING THE EFFECTS OF OCEAN ACIDIFICATION ON ALGAL METABOLISM: CONSIDERATIONS FOR EXPERIMENTAL DESIGNS <sup>1</sup> . <i>Journal of Phycology</i> , 2009, 45, 1236-1251.	2.3	194
144	Allometry and stoichiometry of unicellular, colonial and multicellular phytoplankton. <i>New Phytologist</i> , 2009, 181, 295-309.	7.3	138

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145	Horsetails get the wind up. <i>New Phytologist</i> , 2009, 184, 6-9.	7.3	4
146	Phagotrophy in the origins of photosynthesis in eukaryotes and as a complementary mode of nutrition in phototrophs: relation to Darwin's insectivorous plants. <i>Journal of Experimental Botany</i> , 2009, 60, 3975-3987.	4.8	108
147	Cryptic Photosynthesisâ€™ Extrasolar Planetary Oxygen Without a Surface Biological Signature. <i>Astrobiology</i> , 2009, 9, 623-636.	3.0	58
148	Functional evolution of photochemical energy transformations in oxygen-producing organisms. <i>Functional Plant Biology</i> , 2009, 36, 505.	2.1	41
149	Carbon Dioxide Fixation by <i>Dunaliella</i> spp. and the Possible Use of this Genus in Carbon Dioxide Mitigation and Waste Reduction. , 2009, , 359-384.		3
150	$\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values in reef corals <i>Porites lutea</i> and <i>P. cylindrica</i> and in their epilithic and endolithic algae. <i>Marine Biology</i> , 2008, 155, 353-361.	1.5	18
151	Not drowning but photosynthesizing: probing plant plastrons. <i>New Phytologist</i> , 2008, 177, 841-845.	7.3	14
152	Transpiration: how many functions?. <i>New Phytologist</i> , 2008, 179, 905-907.	7.3	13
153	Insights into the evolution of CCMs from comparisons with other resource acquisition and assimilation processes. <i>Physiologia Plantarum</i> , 2008, 133, 4-14.	5.2	46
154	Phosphorus and the future. <i>Plant Ecophysiology</i> , 2008, , 271-283.	1.5	15
155	Plant nutrient-acquisition strategies change with soil age. <i>Trends in Ecology and Evolution</i> , 2008, 23, 95-103.	8.7	1,092
156	Role of Sulfur for Algae: Acquisition, Metabolism, Ecology and Evolution. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 397-415.	1.0	21
157	The evolution of inorganic carbon concentrating mechanisms in photosynthesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2641-2650.	4.0	281
158	Exploring Cyanobacterial Mutualisms. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2007, 38, 255-273.	8.3	85
159	C3 and C4 Pathways of Photosynthetic Carbon Assimilation in Marine Diatoms Are under Genetic, Not Environmental, Control. <i>Plant Physiology</i> , 2007, 145, 230-235.	4.8	166
160	Ozone and life on the Archaean Earth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1889-1901.	3.4	46
161	Photosynthesis in watercolours. <i>Nature</i> , 2007, 448, 418-418.	27.8	53
162	Trees. <i>Current Biology</i> , 2007, 17, R303-R304.	3.9	2

#	ARTICLE	IF	CITATIONS
163	Carbon acquisition by diatoms. <i>Photosynthesis Research</i> , 2007, 93, 79-88.	2.9	120
164	Photosynthetic oscillation in individual cells of the marine diatom <i>Coscinodiscus wailesii</i> (Bacillariophyceae) revealed by microsensor measurements. <i>Photosynthesis Research</i> , 2007, 95, 37-44.	2.9	27
165	Inorganic carbon acquisition by eight species of <i>Caulerpa</i> (Caulerpacae, Chlorophyta). <i>Phycologia</i> , 2006, 45, 442-449.	1.4	32
166	Sensing inorganic carbon: CO <sub>2</sub> and HCO <sub>3</sub> <sup>2-</sup> . <i>Biochemical Journal</i> , 2006, 396, e5-7.	3.7	14
167	Chlorophyll fluorescence and ecophysiology: seeing red?. <i>New Phytologist</i> , 2006, 169, 449-451.	7.3	4
168	Limitations on microalgal growth at very low photon fluence rates: the role of energy slippage. <i>Photosynthesis Research</i> , 2006, 88, 299-310.	2.9	35
169	Carbon Sequestration: Photosynthesis and Subsequent Processes. <i>Current Biology</i> , 2006, 16, R165-R167.	3.9	25
170	CELLULAR LOCATION OF STARCH SYNTHESIS AND EVOLUTIONARY ORIGIN OF STARCH GENES. <i>Journal of Phycology</i> , 2005, 41, 1070-1072.	2.3	18
171	Algae lacking carbon-concentrating mechanisms. <i>Canadian Journal of Botany</i> , 2005, 83, 879-890.	1.1	145
172	CO <sub>2</sub> CONCENTRATING MECHANISMS IN ALGAE: Mechanisms, Environmental Modulation, and Evolution. <i>Annual Review of Plant Biology</i> , 2005, 56, 99-131.	18.7	1,238
173	Regulation of inorganic carbon acquisition by phosphorus limitation in the green alga <i>Chlorella emersonii</i> . <i>Canadian Journal of Botany</i> , 2005, 83, 859-864.	1.1	73
174	How do marine diatoms fix 10 billion tonnes of inorganic carbon per year?. <i>Canadian Journal of Botany</i> , 2005, 83, 898-908.	1.1	90
175	Response to Comment on "The Evolution of Modern Eukaryotic Phytoplankton". <i>Science</i> , 2004, 306, 2191c-2191c.	12.6	11
176	Building botany in Cambridge. <i>New Phytologist</i> , 2004, 162, 7-8.	7.3	1
177	The Evolution of Modern Eukaryotic Phytoplankton. <i>Science</i> , 2004, 305, 354-360.	12.6	1,287
178	The potential effects of global climate change on microalgal photosynthesis, growth and ecology. <i>Phycologia</i> , 2004, 43, 26-40.	1.4	285
179	Physiological evolution of lower embryophytes. , 2004, , 17-41.		32
180	Inorganic carbon concentrating mechanisms in relation to the biology of algae. <i>Photosynthesis Research</i> , 2003, 77, 155-171.	2.9	103

#	ARTICLE	IF	CITATIONS
181	Macroalgal growth in nutrient-enriched estuaries: A biogeochemical and evolutionary perspective. <i>Water, Air and Soil Pollution</i> , 2003, 3, 7-26.	0.8	83
182	A REVISED ESTIMATE OF THE IRON USE EFFICIENCY OF NITROGEN FIXATION, WITH SPECIAL REFERENCE TO THE MARINE CYANOBACTERIUM TRICHODESMIUM SPP. (CYANOPHYTA) 1. <i>Journal of Phycology</i> , 2003, 39, 12-25.	2.3	136
183	Cycling silicon - the role of accumulation in plants. <i>New Phytologist</i> , 2003, 158, 419-421.	7.3	167
184	Oxygen Consumption: Photorespiration and Chlororespiration. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 157-181.	1.0	40
185	Carbohydrate Metabolism and Respiration in Algae. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 205-224.	1.0	29
186	Carbon Acquisition Mechanisms of Algae: Carbon Dioxide Diffusion and Carbon Dioxide Concentrating Mechanisms. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 225-244.	1.0	53
187	Adaptation, Acclimation and Regulation in Algal Photosynthesis. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 385-412.	1.0	83
188	Carboxysomes and peptidoglycan walls of cyanelles: possible physiological functions. <i>European Journal of Phycology</i> , 2003, 38, 47-53.	2.0	40
189	Chemistry of the early oceans. , 2003, , 55-64.		5
190	Genomes at the interface between bacteria and organelles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 5-18.	4.0	54
191	Can plants rely on nitrate?. <i>Trends in Plant Science</i> , 2003, 8, 314-315.	8.8	17
192	Genomics and chloroplast evolution: what did cyanobacteria do for plants?. <i>Genome Biology</i> , 2003, 4, 209.	9.6	190
193	An Anaplerotic Role for Mitochondrial Carbonic Anhydrase in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2003, 132, 2126-2134.	4.8	103
194	Global aspects of C/N interactions determining plant-environment interactions. <i>Journal of Experimental Botany</i> , 2003, 55, 11-25.	4.8	58
195	Seaweeds in Cold Seas: Evolution and Carbon Acquisition. <i>Annals of Botany</i> , 2002, 90, 525-536.	2.9	90
196	A Large Population of Small Chloroplasts in Tobacco Leaf Cells Allows More Effective Chloroplast Movement Than a Few Enlarged Chloroplasts. <i>Plant Physiology</i> , 2002, 129, 112-121.	4.8	70
197	Mechanistic interpretation of carbon isotope discrimination by marine macroalgae and seagrasses. <i>Functional Plant Biology</i> , 2002, 29, 355.	2.1	284
198	Selection pressures on stomatal evolution. <i>New Phytologist</i> , 2002, 153, 371-386.	7.3	262

#	ARTICLE	IF	CITATIONS
199	NEW LIGHT ON THE SCALING OF METABOLIC RATE WITH THE SIZE OF ALGAE. <i>Journal of Phycology</i> , 2002, 38, 11-16.	2.3	113
200	Putting the fight in bryophytes. <i>New Phytologist</i> , 2002, 156, 321-323.	7.3	7
201	An in situ study of photosynthetic oxygen exchange and electron transport rate in the marine macroalga <i>Ulva lactuca</i> (Chlorophyta). <i>Photosynthesis Research</i> , 2002, 74, 281-293.	2.9	135
202	Optimizing Carbon-Nitrogen Budgets: Perspectives for Crop Improvement. <i>Advances in Photosynthesis and Respiration</i> , 2002, , 265-274.	1.0	4
203	Significance of epidermal fusion and intercalary growth for angiosperm evolution. <i>Trends in Plant Science</i> , 2001, 6, 111-113.	8.8	11
204	Interactions between carbon dioxide and oxygen in the photosynthesis of three species of marine red macroalgae. <i>Botanical Journal of Scotland</i> , 2001, 53, 33-43.	0.3	15
205	M. A. HEEMINGA AND C. M. DUARTE. <i>Seagrass Ecology</i> . Cambridge University Press, Cambridge, 2000, xi+298 pp., £52.50.. <i>European Journal of Phycology</i> , 2001, 36, 281-283.	2.0	0
206	UNDERSTANDING MEMBRANE FUNCTION. <i>Journal of Phycology</i> , 2001, 37, 960-967.	2.3	11
207	ALGAL MODEL SYSTEMS AND THE ELUCIDATION OF PHOTOSYNTHETIC METABOLISM. <i>Journal of Phycology</i> , 2001, 37, 943-950.	2.3	16
208	Primary productivity of planet earth: biological determinants and physical constraints in terrestrial and aquatic habitats. <i>Global Change Biology</i> , 2001, 7, 849-882.	9.5	281
209	Altritol synthesis by <i>Notheia anomala</i> . <i>Phytochemistry</i> , 2001, 58, 389-394.	2.9	9
210	An aquatic perspective on the concepts of Ingestad relating plant nutrition to plant growth. <i>Physiologia Plantarum</i> , 2001, 113, 301-307.	5.2	8
211	Phosphorus limitation of nitrogen fixation by <i>Trichodesmium</i> in the central Atlantic Ocean. <i>Nature</i> , 2001, 411, 66-69.	27.8	588
212	Photosynthesis in a marine diatom. <i>Nature</i> , 2001, 412, 40-41.	27.8	77
213	Carbon isotope ratios of photolithotrophs from allt meall nan damh, a burn at ardeonaig, Perthshire, and their ecophysiological significance. <i>Botanical Journal of Scotland</i> , 2000, 52, 1-15.	0.3	8
214	The effects of reduced and elevated CO <sub>2</sub> and O <sub>2</sub> on the seaweed <i>Lomentaria articulata</i> . <i>Plant, Cell and Environment</i> , 1999, 22, 1303-1310.	5.7	164
215	The role of trace metals in photosynthetic electron transport in O <sub>2</sub> -evolving organisms. <i>Photosynthesis Research</i> , 1999, 60, 111-150.	2.9	545
216	Influences of different nitrogen sources on nitrogen- and water-use efficiency, and carbon isotope discrimination, in C <sub>3</sub> <i>Triticum aestivum</i> L. and C <sub>4</sub> <i>Zea mays</i> L. plants. <i>Planta</i> , 1998, 205, 574-580.	3.2	33

#	ARTICLE	IF	CITATIONS
217	Carbon and nitrogen allocation patterns in two intertidal fucoids: <i>Fucus serratus</i> and <i>Himantalia elongata</i> (Phaeophyta). <i>European Journal of Phycology</i> , 1998, 33, 307-313.	2.0	13
218	DAVID L. KIRK. <i>Volvox: Molecular-Genetic Origins of Multicellularity and Cellular Differentiation</i> . Developmental and Cell Biology Series, editors J. D. L. Bard, P. W. Barlow, P. B. Green and D. L. Kirk. Cambridge University Press, Cambridge, 1998, xvi+381 pp.. <i>European Journal of Phycology</i> , 1998, 33, 275-280.	2.0	2
219	A comparison of the impacts of various nitrogen sources on acid-base balance in C3 <i>Triticum aestivum</i> L. and C4 <i>Zea mays</i> L. plants. <i>Journal of Experimental Botany</i> , 1997, 48, 315-324.	4.8	18
220	Putting the C in phycology. <i>European Journal of Phycology</i> , 1997, 32, 319-333.	2.0	117
221	SOURCES OF INORGANIC CARBON FOR PHOTOSYNTHESIS BY THREE SPECIES OF MARINE DIATOM1. <i>Journal of Phycology</i> , 1997, 33, 433-440.	2.3	91
222	The role of marine biota in the evolution of terrestrial biota: Gases and genes. <i>Biogeochemistry</i> , 1997, 39, 139-164.	3.5	48
223	Inorganic carbon accumulation by the marine diatom <i>Phaeodactylum tricorutum</i> . <i>European Journal of Phycology</i> , 1996, 31, 285-290.	2.0	45
224	The Bigger The Fewer: Size, Taxonomic Diversity and The Range of Chlorophyll (Ide) Pigments in Oxygen-Evolving Marine Photolithotrophs. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1996, 76, 211-217.	0.8	24
225	Inorganic carbon acquisition by <i>Xiphophora chondrophylla</i> (Phaeophyta, Fucales). <i>Phycologia</i> , 1996, 35, 83-89.	1.4	104
226	Free-radical-induced mutation vs redox regulation: Costs and benefits of genes in organelles. <i>Journal of Molecular Evolution</i> , 1996, 42, 482-492.	1.8	166
227	NONEQUILIBRIUM RATES OF PHOTOSYNTHESIS AND RESPIRATION UNDER DYNAMIC LIGHT SUPPLY1. <i>Journal of Phycology</i> , 1996, 32, 963-969.	2.3	28
228	Inorganic carbon acquisition by red seaweeds grown under dynamic light regimes. <i>Hydrobiologia</i> , 1996, 326-327, 401-406.	2.0	25
229	THE INTERACTION BETWEEN INORGANIC CARBON ACQUISITION AND LIGHT SUPPLY IN <i>PALMARIA PALMATA</i> (RHODOPHYTA)1. <i>Journal of Phycology</i> , 1995, 31, 369-375.	2.3	72
230	Photosynthetic carbon assimilation by <i>Crassula helmsii</i> . <i>Oecologia</i> , 1995, 101, 494-499.	2.0	29
231	The early evolution of land plants: Aquatic ancestors and atmospheric interactions. <i>Botanical Journal of Scotland</i> , 1995, 47, 151-175.	0.3	53
232	Inorganic carbon acquisition by <i>Hormosira banksii</i> (Phaeophyta: Fucales) and its epiphyte <i>Notheia anomala</i> (Phaeophyta: Fucales). <i>Phycologia</i> , 1995, 34, 267-277.	1.4	23
233	Why are there no picoplanktonic O <sub>2</sub> evolvers with volumes less than 10 <sup>-19</sup> m <sup>3</sup> ?. <i>Journal of Plankton Research</i> , 1994, 16, 565-580.	1.8	78
234	THE EVOLUTION OF VASCULAR PLANTS IN RELATION TO QUANTITATIVE FUNCTIONING OF DEAD WATER-CONDUCTING CELLS AND STOMATA. <i>Biological Reviews</i> , 1993, 68, 337-363.	10.4	89

#	ARTICLE	IF	CITATIONS
235	Influence of changes in CO <sub>2</sub> concentration and temperature on marine phytoplankton <sup>13</sup> C/ <sup>12</sup> C ratios: an analysis of possible mechanisms. <i>Global and Planetary Change</i> , 1993, 8, 1-12.	3.5	39
236	The roles of the <i>Chlorocystis</i> phase of <i>Lemanea</i> (Lemnaceae, Charophyta) in the nitrogen cycle. <i>Journal of Phycology</i> , 1992, 28, 107-114.	0.3	12
237	Ammonia and ammonium fluxes between photolithotrophs and the environment in relation to the global nitrogen cycle. <i>New Phytologist</i> , 1992, 121, 5-18.	7.3	58
238	A comparison of ammonium and nitrate as nitrogen sources for photolithotrophs. <i>New Phytologist</i> , 1992, 121, 19-32.	7.3	197
239	HOW BENTHIC MACROALGAE COPE WITH FLOWING FRESHWATER: RESOURCE ACQUISITION AND RETENTION. <i>Journal of Phycology</i> , 1992, 28, 133-146.	2.3	46
240	Implications of inorganic carbon utilization: ecology, evolution, and geochemistry. <i>Canadian Journal of Botany</i> , 1991, 69, 908-924.	1.1	173
241	Photosynthetic inorganic carbon assimilation by <i>Prasiola stipitata</i> (Prasiolales, Chlorophyta) under emersed and submersed conditions: Relationship to the taxonomy of <i>Prasiola</i> . <i>British Phycological Journal</i> , 1991, 26, 247-257.	1.2	31
242	Mechanisms of inorganic-carbon acquisition in marine phytoplankton and their implications for the use of other resources. <i>Limnology and Oceanography</i> , 1991, 36, 1701-1714.	3.1	226
243	Terrestrial rhizophytes and H <sup>+</sup> currents circulating over at least a millimetre: an obligate relationship?. <i>New Phytologist</i> , 1991, 117, 177-185.	7.3	36
244	Responses of aquatic photosynthetic organisms to increased solar UVB. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991, 9, 239-244.	3.8	77
245	Transport and assimilation of inorganic carbon by <i>Lichina pygmaea</i> under emersed and submersed conditions. <i>New Phytologist</i> , 1990, 114, 407-417.	7.3	52
246	Predictions of Mn and Fe use efficiencies of phototrophic growth as a function of light availability for growth and of C assimilation pathway. <i>New Phytologist</i> , 1990, 116, 1-18.	7.3	317
247	The influence of N metabolism and organic acid synthesis on the natural abundance of isotopes of carbon in plants. <i>New Phytologist</i> , 1990, 116, 505-529.	7.3	176
248	Photosynthetic gas exchange under emersed conditions in eulittoral and normally submersed members of the Fucales and the Laminariales: interpretation in relation to C isotope ratio and N and water use efficiency. <i>Oecologia</i> , 1990, 82, 68-80.	2.0	85
249	Exogenous inorganic carbon sources for photosynthesis in seawater by members of the Fucales and the Laminariales (Phaeophyta): ecological and taxonomic implications. <i>Oecologia</i> , 1989, 78, 97-105.	2.0	150
250	Temperature and algal growth. <i>New Phytologist</i> , 1988, 110, 441-461.	7.3	624
251	The role of CO <sub>2</sub> uptake by roots and CAM in acquisition of inorganic C by plants of the isoetid life-form: a review, with new data on <i>Eriocaulon decangulare</i> L.. <i>New Phytologist</i> , 1988, 108, 125-148.	7.3	118
252	The iron and molybdenum use efficiencies of plant growth with different energy, carbon and nitrogen sources. <i>New Phytologist</i> , 1988, 109, 279-287.	7.3	374

#	ARTICLE	IF	CITATIONS
253	The Occurrence of diel changes in titratable acidity of plant Cell Contents: indications of CAM-like metabolism in plants native to Scotland and comparisons with plants from elsewhere. Transactions of the Botanical Society of Edinburgh, 1988, 45, 235-244.	0.1	15
254	Algae on the move. Transactions of the Botanical Society of Edinburgh, 1988, 45, 167-186.	0.1	13
255	The C4-like characteristics of the intertidal macroalga <i>Ascophyllum nodosum</i> (L.) Le Jolis (Fucales), Tj ETQq1 1 0.784314 rgBT /Overlo 1.4 33	1.4	33
256	THE ROLE OF VACUOLES. New Phytologist, 1987, 106, 357-422.	7.3	130
257	The analysis of photosynthesis in air and water of <i>Ascophyllum nodosum</i> (L.) Le Jol.. Oecologia, 1986, 69, 288-295.	2.0	73
258	BIOCHEMICAL DISPOSAL OF EXCESS H <sup>+</sup> IN GROWING PLANTS?. New Phytologist, 1986, 104, 175-206.	7.3	141
259	REPAIR OF PHOTOINHIBITORY DAMAGE IN ANACYSTIS NIDULANS 625 (SYNECHOCOCCUS 6301): RELATION TO CATALYTIC CAPACITY FOR, AND ENERGY SUPPLY TO, PROTEIN SYNTHESIS, AND IMPLICATIONS FOR $\mu_{max}$ AND THE EFFICIENCY OF LIGHT-LIMITED GROWTH. New Phytologist, 1986, 103, 625-643.	7.3	48
260	GROWTH, PHOTOSYNTHESIS AND MAINTENANCE METABOLIC COST IN THE DIATOM <i>PHAEODACTYLUM TRICORNUTUM</i> AT VERY LOW LIGHT LEVELS. Journal of Phycology, 1986, 22, 39-48.	2.3	87
261	DARK CARBON FIXATION STUDIES ON THE INTERTIDAL MACROALGA <i>ASCOPHYLLUM NODOSUM</i> (PHAEOPHYTA). Journal of Phycology, 1986, 22, 78-83.	2.3	57
262	Long Distance Transport of Calcium. , 1986, , 241-250.		10
263	Physiology and biochemistry of pteridophytes. Proceedings of the Royal Society of Edinburgh Section B Biological Sciences, 1985, 86, 37-44.	0.2	1
264	Intercellular Transport and Cytoplasmic Streaming in <i>Chara hispida</i> . Journal of Experimental Botany, 1984, 35, 1016-1021.	4.8	31
265	Stylites, a vascular land plant without stomata absorbs CO <sub>2</sub> via its roots. Nature, 1984, 310, 694-695.	27.8	116
266	Physiological correlates of the morphology of early vascular plants. Botanical Journal of the Linnean Society, 1984, 88, 105-126.	1.6	105
267	THE TRANSPORT AND FUNCTION OF SILICON IN PLANTS. Biological Reviews, 1983, 58, 179-207.	10.4	553
268	Solute transport at the plasmalemma and the early evolution of cells. BioSystems, 1982, 15, 13-26.	2.0	20
269	Inorganic C-sources for <i>Lemanea</i> , <i>Cladophora</i> and <i>Ranunculus</i> in a fast-flowing stream: Measurements of gas exchange and of carbon isotope ratio and their ecological implications. Oecologia, 1982, 53, 68-78.	2.0	117
270	THE ENERGETICS OF FRESHWATER ALGAE; ENERGY REQUIREMENTS FOR BIOSYNTHESIS AND VOLUME REGULATION. New Phytologist, 1982, 92, 1-20.	7.3	89



#	ARTICLE	IF	CITATIONS
271	The lower limit of photon fluence rate for phototrophic growth: the significance of 'slippage' reactions. <i>Plant, Cell and Environment</i> , 1982, 5, 117-124.	5.7	12
272	Carbon dioxide as the exogenous inorganic carbon source for <i>Batrachospermum</i> and <i>Lemanea</i> . <i>British Phycological Journal</i> , 1981, 16, 165-175.	1.2	46
273	The intrinsic permeability of biological membranes to H <sup>+</sup> : Significance for the efficiency of low rates of energy transformation. <i>FEMS Microbiology Letters</i> , 1981, 10, 1-5.	1.8	30
274	PROCESSES LIMITING PHOTOSYNTHETIC CONDUCTANCE. , 1981, , 109-136.		52
275	Iron, nitrogen, phosphorus and zinc cycling and consequences for primary productivity in the oceans. , 0, , 247-272.		13