David A Hutchins

List of Publications by Year
in descending order

139	12,331	34016 52	28224 105
papers	citations	h-index	g-index
153	153	153	10478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Enzymology of Ocean Global Change. Annual Review of Marine Science, 2022, 14, 187-211.	5.1	4
2	Nitrogen-limitation exacerbates the impact of ultraviolet radiation on the coccolithophore Gephyrocapsa oceanica. Journal of Photochemistry and Photobiology B: Biology, 2022, 226, 112368.	1.7	4
3	Why Environmental Biomarkers Work: Transcriptomeâ€"Proteome Correlations and Modeling of Multistressor Experiments in the Marine Bacterium <i>Trichodesmium</i>. Journal of Proteome Research, 2022, 21, 77-89.	1.8	7
4	Enhancement of diatom growth and phytoplankton productivity with reduced O2 availability is moderated by rising CO2. Communications Biology, 2022, 5, 54.	2.0	16
5	Two coâ€dominant nitrogenâ€fixing cyanobacteria demonstrate distinct acclimation and adaptation responses to cope with ocean warming. Environmental Microbiology Reports, 2022, 14, 203-217.	1.0	8
6	The marine nitrogen cycle: new developments and global change. Nature Reviews Microbiology, 2022, 20, 401-414.	13.6	84
7	The interactive effects of temperature and nutrients on a spring phytoplankton community. Limnology and Oceanography, 2022, 67, 634-645.	1.6	14
8	Genome Sequence of <i>Synechococcus</i> sp. Strain LA31, Isolated from a Temperate Estuary. Microbiology Resource Announcements, 2022, 11, e0077521.	0.3	3
9	Sinking diatoms trap silicon in deep seawater of acidified oceans. Nature, 2022, 605, 622-623.	13.7	1
10	Temperature variability interacts with mean temperature to influence the predictability of microbial phenotypes. Global Change Biology, 2022, 28, 5741-5754.	4.2	3
11	Independent iron and light limitation in a low-light-adapted <i>Prochlorococcus</i> from the deep chlorophyll maximum. ISME Journal, 2021, 15, 359-362.	4.4	14
12	Long-Term m5C Methylome Dynamics Parallel Phenotypic Adaptation in the Cyanobacterium<i>Trichodesmium</i>. Molecular Biology and Evolution, 2021, 38, 927-939.	3.5	15
13	Acclimation and adaptation to elevated <i>p</i>CO2 increase arsenic resilience in marine diatoms. ISME Journal, 2021, 15, 1599-1613.	4.4	13
14	Warming Iron-Limited Oceans Enhance Nitrogen Fixation and Drive Biogeographic Specialization of the Globally Important Cyanobacterium Crocosphaera. Frontiers in Marine Science, 2021, 8, .	1.2	13
15	The Combined Effects of Increased pCO2 and Warming on a Coastal Phytoplankton Assemblage: From Species Composition to Sinking Rate. Frontiers in Marine Science, 2021, 8, .	1.2	8
16	Irradiance modulates thermal niche in a previously undescribed lowâ€light and coldâ€adapted nanoâ€diatom. Limnology and Oceanography, 2021, 66, 2266-2277.	1.6	6
17	Correcting a major error in assessing organic carbon pollution in natural waters. Science Advances, 2021, 7, .	4.7	37
18	Interactions Between Ultraviolet B Radiation, Warming, and Changing Nitrogen Source May Reduce the Accumulation of Toxic Pseudo-nitzschia multiseries Biomass in Future Coastal Oceans. Frontiers in Marine Science, 2021, 8, .	1.2	5

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19	Mechanisms and heterogeneity of in situ mineral processing by the marine nitrogen fixer <i>Trichodesmium</i> revealed by single-colony metaproteomics. ISME Communications, 2021, 1, .	1.7	9
20	Molecular underpinnings and biogeochemical consequences of enhanced diatom growth in a warming Southern Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
21	Alphaproteobacteria facilitate <i>Trichodesmium</i> community trimethylamine utilization. Environmental Microbiology, 2021, 23, 6798-6810.	1.8	2
22	Phytoplanktonâ€Nitrifier Interactions Control the Geographic Distribution of Nitrite in the Upper Ocean. Global Biogeochemical Cycles, 2021, 35, e2021GB007072.	1.9	14
23	Measurements of Calcification and Silicification. , 2021, , 269-276.		0
24	Interactions between ultraviolet radiation exposure and phosphorus limitation in the marine nitrogenâ€fixing cyanobacteria Trichodesmium and Crocosphaera. Limnology and Oceanography, 2020, 65, 363-376.	1.6	13
25	Transient exposure to novel high temperatures reshapes coastal phytoplankton communities. ISME Journal, 2020, 14, 413-424.	4.4	29
26	Substrate regulation leads to differential responses of microbial ammonia-oxidizing communities to ocean warming. Nature Communications, 2020, 11, 3511.	5.8	18
27	The Impacts of Ocean Acidification on Marine Food Quality and Its Potential Food Chain Consequences. Frontiers in Marine Science, 2020, 7, .	1.2	24
28	Co-occurrence of Fe and P stress in natural populations of the marine diazotroph <i>Trichodesmium</i>. Biogeosciences, 2020, 17, 2537-2551.	1.3	26
29	Light availability modulates the effects of warming in a marine N₂ fixer. Biogeosciences, 2020, 17, 1169-1180.	1.3	7
30	Combined effects of CO2 level, light intensity, and nutrient availability on the coccolithophore Emiliania huxleyi. Hydrobiologia, 2019, 842, 127-141.	1.0	12
31	Distinct Responses of the Nitrogen-Fixing Marine Cyanobacterium Trichodesmium to a Thermally Variable Environment as a Function of Phosphorus Availability. Frontiers in Microbiology, 2019, 10, 1282.	1.5	18
32	Scientistsâ€™ warning to humanity: microorganisms and climate change. Nature Reviews Microbiology, 2019, 17, 569-586.	13.6	1,138
33	Physiological and biochemical responses of <i>Emiliania huxleyi</i> to ocean acidification and warming are modulated by UV radiation. Biogeosciences, 2019, 16, 561-572.	1.3	19
34	Effects of Ocean Acidification on Marine Photosynthetic Organisms Under the Concurrent Influences of Warming, UV Radiation, and Deoxygenation. Frontiers in Marine Science, 2019, 6, .	1.2	136
35	Climate change microbiology â€" problems and perspectives. Nature Reviews Microbiology, 2019, 17, 391-396.	13.6	130
36	Marine <i>Synechococcus</i> isolates representing globally abundant genomic lineages demonstrate a unique evolutionary path of genome reduction without a decrease in GC content. Environmental Microbiology, 2019, 21, 1677-1686.	1.8	28

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37	How will the key marine calcifier <i>Emiliania huxleyi</i> respond to a warmer and more thermally variable ocean?. Biogeosciences, 2019, 16, 4393-4409.	1.3	10
38	Ocean acidification increases iodine accumulation in kelpâ€based coastal food webs. Global Change Biology, 2019, 25, 629-639.	4.2	26
39	Experimental strategies to assess the biological ramifications of multiple drivers of global ocean changeâ€”A review. Global Change Biology, 2018, 24, 2239-2261.	4.2	285
40	Responses of the large centric diatom <i>Coscinodiscus</i> sp. to interactions between warming, elevated CO₂, and nitrate availability. Limnology and Oceanography, 2018, 63, 1407-1424.	1.6	20
41	Interactive effects of temperature, CO2 and nitrogen source on a coastal California diatom assemblage. Journal of Plankton Research, 2018, 40, 151-164.	0.8	26
42	Adaptive evolution in the coccolithophore <i>Gephyrocapsa oceanica</i> following 1,000 generations of selection under elevated <scp>CO</scp>₂. Global Change Biology, 2018, 24, 3055-3064.	4.2	40
43	Transcriptional Activities of the Microbial Consortium Living with the Marine Nitrogen-Fixing Cyanobacterium Trichodesmium Reveal Potential Roles in Community-Level Nitrogen Cycling. Applied and Environmental Microbiology, 2018, 84, .	1.4	18
44	Nutrient-Colimited Trichodesmium as a Nitrogen Source or Sink in a Future Ocean. Applied and Environmental Microbiology, 2018, 84, .	1.4	28
45	Biosynthesis of the neurotoxin domoic acid in a bloom-forming diatom. Science, 2018, 361, 1356-1358.	6.0	124
46	Interactive network configuration maintains bacterioplankton community structure under elevated CO₂ in a eutrophic coastal mesocosm experiment. Biogeosciences, 2018, 15, 551-565.	1.3	9
47	Outer Membrane Iron Uptake Pathways in the Model Cyanobacterium Synechocystis sp. Strain PCC 6803. Applied and Environmental Microbiology, 2018, 84, .	1.4	26
48	Functional Genomics and Phylogenetic Evidence Suggest Genus-Wide Cobalamin Production by the Globally Distributed Marine Nitrogen Fixer Trichodesmium. Frontiers in Microbiology, 2018, 9, 189.	1.5	10
49	Ocean warming alleviates iron limitation of marine nitrogen fixation. Nature Climate Change, 2018, 8, 709-712.	8.1	68
50	Stoichiometric N:P Ratios, Temperature, and Iron Impact Carbon and Nitrogen Uptake by Ross Sea Microbial Communities. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2955-2975.	1.3	5
51	Adapt to warming and catch your breath. Nature Microbiology, 2018, 3, 973-974.	5.9	0
52	Enhanced Ammonia Oxidation Caused by Lateral Kuroshio Intrusion in the Boundary Zone of the Northern South China Sea. Geophysical Research Letters, 2018, 45, 6585-6593.	1.5	33
53	Impact of temperature, CO2, and iron on nutrient uptake by a late-season microbial community from the Ross Sea, Antarctica. Aquatic Microbial Ecology, 2018, 82, 145-159.	0.9	12
54	A global compilation of coccolithophore calcification rates. Earth System Science Data, 2018, 10, 1859-1876.	3.7	18

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55	Coccolith arrangement follows Eulerian mathematics in the coccolithophore<i>Emiliania huxleyi</i>. PeerJ, 2018, 6, e4608.	0.9	6
56	The acclimation process of phytoplankton biomass, carbon fixation and respiration to the combined effects of elevated temperature and pCO2 in the northern South China Sea. Marine Pollution Bulletin, 2017, 118, 213-220.	2.3	40
57	The <i>Trichodesmium</i> consortium: conserved heterotrophic co-occurrence and genomic signatures of potential interactions. ISME Journal, 2017, 11, 1813-1824.	4.4	66
58	Understanding the blob bloom: Warming increases toxicity and abundance of the harmful bloom diatom Pseudo-nitzschia in California coastal waters. Harmful Algae, 2017, 67, 36-43.	2.2	80
59	Microorganisms and ocean global change. Nature Microbiology, 2017, 2, 17058.	5.9	302
60	Carbon assimilation and losses during an ocean acidification mesocosm experiment, with special reference to algal blooms. Marine Environmental Research, 2017, 129, 229-235.	1.1	28
61	Comment on â€œThe complex effects of ocean acidification on the prominent N ₂ -fixing cyanobacterium <i>Trichodesmium</i> â€• Science, 2017, 357, .	6.0	12
62	Biogeographic conservation of the cytosine epigenome in the globally important marine, nitrogenâ€fixing cyanobacterium Trichodesmium. Environmental Microbiology, 2017, 19, 4700-4713.	1.8	13
63	Effects of elevated CO2 on phytoplankton during a mesocosm experiment in the southern eutrophicated coastal water of China. Scientific Reports, 2017, 7, 6868.	1.6	17
64	Cysteine-Free Intramolecular Ligation of N-Sulfanylethylanilide Peptide Using 4-Mercaptobenzylphosphonic Acid: Synthesis of Cyclic Peptide Trichamide. Synlett, 2017, 28, 1944-1949.	1.0	6
65	Effects of ultraviolet radiation on photosynthetic performance and N₂ fixation in <i>Trichodesmium erythraeum</i> IMS 101. Biogeosciences, 2017, 14, 4455-4466.	1.3	9
66	Individual and interactive effects of warming and CO₂ on <i>Pseudo-nitzschia subcurvata</i> and <i>Phaeocystis antarctica</i>, two dominant phytoplankton from the Ross Sea, Antarctica. Biogeosciences, 2017, 14, 5281-5295.	1.3	28
67	Ocean acidification impacts bacteriaâ€"phytoplankton coupling at low-nutrient conditions. Biogeosciences, 2017, 14, 1-15.	1.3	35
68	Interactive effects of elevated temperature and CO2 on nitrate, urea, and dissolved inorganic carbon uptake by a coastal California, USA, microbial community. Marine Ecology - Progress Series, 2017, 577, 49-65.	0.9	4
69	Physiological responses of coastal and oceanic diatoms to diurnal fluctuations in seawater carbonate chemistry under two CO₂ concentrations. Biogeosciences, 2016, 13, 6247-6259.	1.3	50
70	Effects of varying growth irradiance and nitrogen sources on calcification and physiological performance of the coccolithophore<i>Gephyrocapsa oceanica</i>grown under nitrogen limitation. Limnology and Oceanography, 2016, 61, 2234-2242.	1.6	17
71	Marine phytoplankton and the changing ocean iron cycle. Nature Climate Change, 2016, 6, 1072-1079.	8.1	159
72	Mechanisms of increased Trichodesmium fitness under iron and phosphorus co-limitation in the present and future ocean. Nature Communications, 2016, 7, 12081.	5.8	74

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73	Molecular and physiological evidence of genetic assimilation to high CO ₂ in the marine nitrogen fixer <i>Trichodesmium</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7367-E7374.	3.3	41
74	A comparative study of iron and temperature interactive effects on diatoms and Phaeocystis antarctica from the Ross Sea, Antarctica. Marine Ecology - Progress Series, 2016, 550, 39-51.	0.9	43
75	Why are biotic iron pools uniform across highâ€•and lowâ€iron pelagic ecosystems?. Global Biogeochemical Cycles, 2015, 29, 1028-1043.	1.9	37
76	Long-Term Conditioning to Elevated pCO2 and Warming Influences the Fatty and Amino Acid Composition of the Diatom Cylindrotheca fusiformis. PLoS ONE, 2015, 10, e0123945.	1.1	57
77	Iron stable isotopes track pelagic iron cycling during a subtropical phytoplankton bloom. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E15-20.	3.3	63
78	Phytoplanktonâ€"bacterial interactions mediate micronutrient colimitation at the coastal Antarctic sea ice edge. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9938-9943.	3.3	202
79	Electron transport kinetics in the diazotrophic cyanobacterium Trichodesmium spp. grown across a range of light levels. Photosynthesis Research, 2015, 124, 45-56.	1.6	10
80	<i>Trichodesmium</i> genome maintains abundant, widespread noncoding DNA in situ, despite oligotrophic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4251-4256.	3.3	45
81	Irreversibly increased nitrogen fixation in Trichodesmium experimentally adapted to elevated carbon dioxide. Nature Communications, 2015, 6, 8155.	5.8	131
82	Iron deficiency increases growth and nitrogen-fixation rates of phosphorus-deficient marine cyanobacteria. ISME Journal, 2015, 9, 238-245.	4.4	64
83	Light-Limited Growth Rate Modulates Nitrate Inhibition of Dinitrogen Fixation in the Marine Unicellular Cyanobacterium Crocosphaera watsonii. PLoS ONE, 2014, 9, e114465.	1.1	8
84	Comparative responses of two dominant Antarctic phytoplankton taxa to interactions between ocean acidification, warming, irradiance, and iron availability. Limnology and Oceanography, 2014, 59, 1919-1931.	1.6	61
85	Differing responses of marine N2 fixers to warming and consequences for future diazotroph community structure. Aquatic Microbial Ecology, 2014, 72, 33-46.	0.9	86
86	Pelagic iron cycling during the subtropical spring bloom, east of New Zealand. Marine Chemistry, 2014, 160, 18-33.	0.9	35
87	Differential remineralization of major and trace elements in sinking diatoms. Limnology and Oceanography, 2014, 59, 689-704.	1.6	84
88	Physiological and biochemical responses of diatoms to projected ocean changes. Marine Ecology - Progress Series, 2014, 515, 73-81.	0.9	16
89	Spatial and temporal variations in variable fluoresence in the Ross Sea (Antarctica): Oceanographic correlates and bloom dynamics. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 79, 141-155.	0.6	40
90	High CO2 promotes the production of paralytic shellfish poisoning toxins by Alexandrium catenella from Southern California waters. Harmful Algae, 2013, 30, 37-43.	2.2	65

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91	The effects of changing climate on microzooplankton grazing and community structure: drivers, predictions and knowledge gaps. Journal of Plankton Research, 2013, 35, 235-252.	0.8	116
92	Combined effects of CO₂ and light on large and small isolates of the unicellular N₂-fixing cyanobacterium <i>Crocosphaera watsonii</i> from the western tropical Atlantic Ocean. European Journal of Phycology, 2013, 48, 128-139.	0.9	27
93	Taxon-specific response of marine nitrogen fixers to elevated carbon dioxide concentrations. Nature Geoscience, 2013, 6, 790-795.	5.4	126
94	Microbial biogeochemistry of coastal upwelling regimes in a changing ocean. Nature Geoscience, 2013, 6, 711-717.	5.4	217
95	Short- and long-term conditioning of a temperate marine diatom community to acidification and warming. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120437.	1.8	86
96	SHORT- VERSUS LONG-TERM RESPONSES TO CHANGING CO₂IN A COASTAL DINOFLAGELLATE BLOOM: IMPLICATIONS FOR INTERSPECIFIC COMPETITIVE INTERACTIONS AND COMMUNITY STRUCTURE. Evolution; International Journal of Organic Evolution, 2013, 67, 1879-1891.	1.1	51
97	Plastic plankton prosper. Nature Climate Change, 2013, 3, 183-184.	8.1	0
98	Colimitation of the unicellular photosynthetic diazotroph <i>Crocosphaera watsonii</i> by phosphorus, light, and carbon dioxide. Limnology and Oceanography, 2013, 58, 1501-1512.	1.6	24
99	Marine Phytoplankton Temperature versus Growth Responses from Polar to Tropical Waters â€“ Outcome of a Scientific Community-Wide Study. PLoS ONE, 2013, 8, e63091.	1.1	258
100	Regression modeling of the North East Atlantic Spring Bloom suggests previously unrecognized biological roles for V and Mo. Frontiers in Microbiology, 2013, 4, 45.	1.5	12
101	Elemental quotas and physiology of a southwestern Pacific Ocean plankton community as a function of iron availability. Aquatic Microbial Ecology, 2013, 68, 185-194.	0.9	22
102	Impacts of Climate Change on Marine Organisms. , 2013, , 35-63.		4
103	Rising CO2 and increased light exposure synergistically reduce marine primary productivity. Nature Climate Change, 2012, 2, 519-523.	8.1	307
104	DESCRIPTION OF <i>VIRIDILOBUS MARINUS</i> (GEN. ET SP. NOV.), A NEW RAPHIDOPHYTE FROM DELAWARE'S INLAND BAYS. Journal of Phycology, 2012, 48, 1220-1231.	1.0	11
105	Microbial control of diatom bloom dynamics in the open ocean. Geophysical Research Letters, 2012, 39, .	1.5	61
106	Global change and the future of harmful algal blooms in the ocean. Marine Ecology - Progress Series, 2012, 470, 207-233.	0.9	228
107	Responses of marine primary producers to interactions between ocean acidification, solar radiation, and warming. Marine Ecology - Progress Series, 2012, 470, 167-189.	0.9	218
108	High CO2 and Silicate Limitation Synergistically Increase the Toxicity of Pseudo-nitzschia fraudulenta. PLoS ONE, 2012, 7, e32116.	1.1	120

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109	Production of viruses during a spring phytoplankton bloom in the South Pacific Ocean near of New Zealand. FEMS Microbiology Ecology, 2012, 79, 709-719.	1.3	27
110	Understanding the responses of ocean biota to a complex matrix of cumulative anthropogenic change. Marine Ecology - Progress Series, 2012, 470, 125-135.	0.9	155
111	Effects of changing <i>p</i>CO₂ and phosphate availability on domoic acid production and physiology of the marine harmful bloom diatom <i>Pseudoâ€nitzschia multiseries</i>. Limnology and Oceanography, 2011, 56, 829-840.	1.6	159
112	INTERACTIVE EFFECTS OF IRRADIANCE AND CO₂ ON CO₂ FIXATION AND N₂ FIXATION IN THE DIAZOTROPH <i>TRICHODESMIUM ERYTHRAEUM</i> (CYANOBACTERIA)¹. Journal of Phycology, 2011, 47, 1292-1303.	1.0	32
113	CO2 and vitamin B12 interactions determine bioactive trace metal requirements of a subarctic Pacific diatom. ISME Journal, 2011, 5, 1388-1396.	4.4	65
114	Forecasting the rain ratio. Nature, 2011, 476, 41-42.	13.7	37
115	Global declines in oceanic nitrification rates as a consequence of ocean acidification. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 208-213.	3.3	316
116	Environmental control of openâ€ocean phytoplankton groups: Now and in the future. Limnology and Oceanography, 2010, 55, 1353-1376.	1.6	266
117	The Effect of Ocean Acidification on Calcifying Organisms in Marine Ecosystems: An Organism-to-Ecosystem Perspective. Annual Review of Ecology, Evolution, and Systematics, 2010, 41, 127-147.	3.8	434
118	Nutrient Cycles and Marine Microbes in a CO2-Enriched Ocean. Oceanography, 2009, 22, 128-145.	0.5	238
119	Assessment of Microzooplankton Grazing on Heterosigma akashiwo Using a Species- Specific Approach Combining Quantitative Real-Time PCR (QPCR) and Dilution Methods. Microbial Ecology, 2008, 55, 583-594.	1.4	34
120	A comparison of future increased CO2 and temperature effects on sympatric Heterosigma akashiwo and Prorocentrum minimum. Harmful Algae, 2008, 7, 76-90.	2.2	116
121	Interactive effects of increased pCO₂, temperature and irradiance on the marine coccolithophore<i>Emiliania huxleyi</i>(Prymnesiophyceae). European Journal of Phycology, 2008, 43, 87-98.	0.9	248
122	Interactions between changing pCO2, N2 fixation, and Fe limitation in the marine unicellular cyanobacterium Crocosphaera. Limnology and Oceanography, 2008, 53, 2472-2484.	1.6	143
123	Linking the Oceanic Biogeochemistry of Iron and Phosphorus with the Marine Nitrogen Cycle. , 2008, , 1627-1666.		13
124	EFFECTS OF INCREASED TEMPERATURE AND CO2ON PHOTOSYNTHESIS, GROWTH, AND ELEMENTAL RATIOS IN MARINESYNECHOCOCCUSANDPROCHLOROCOCCUS(CYANOBACTERIA). Journal of Phycology, 2007, 43, 485-496.	1.0	370
125	Bottom-up controls on a mixed-species HAB assemblage: A comparison of sympatric Chattonella subsalsa and Heterosigma akashiwo (Raphidophyceae) isolates from the Delaware Inland Bays, USA. Harmful Algae, 2006, 5, 310-320.	2.2	94
126	Simultaneous enumeration of multiple raphidophyte species by quantitative real-time PCR: capabilities and limitations. Limnology and Oceanography: Methods, 2006, 4, 193-204.	1.0	41

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127	The biological and biogeochemical consequences of phosphate scavenging onto phytoplankton cell surfaces. Limnology and Oceanography, 2005, 50, 1459-1472.	1.6	65
128	Improved quantitative realâ€time PCR assays for enumeration of harmful algal species in field samples using an exogenous DNA reference standard. Limnology and Oceanography: Methods, 2005, 3, 381-391.	1.0	130
129	PHOSPHATE UPTAKE AND GROWTH KINETICS OFTRICHODESMIUM(CYANOBACTERIA) ISOLATES FROM THE NORTH ATLANTIC OCEAN AND THE GREAT BARRIER REEF, AUSTRALIA. Journal of Phycology, 2005, 41, 62-73.	1.0	82
130	Transport of the Harmful Bloom Alga Aureococcus anophagefferens by Oceangoing Ships and Coastal Boats. Applied and Environmental Microbiology, 2004, 70, 6495-6500.	1.4	49
131	Viral release of iron and its bioavailability to marine plankton. Limnology and Oceanography, 2004, 49, 1734-1741.	1.6	191
132	A trace metal clean reagent to remove surface-bound iron from marine phytoplankton. Marine Chemistry, 2003, 82, 91-99.	0.9	178
133	Spatial and temporal variability in phytoplankton iron limitation along the California coast and consequences for Si, N, and C biogeochemistry. Global Biogeochemical Cycles, 2003, 17, .	1.9	93
134	A shipboard natural community continuous culture system for ecologically relevant lowâ€level nutrient enrichment experiments. Limnology and Oceanography: Methods, 2003, 1, 82-91.	1.0	30
135	Phosphorus limitation of nitrogen fixation by Trichodesmium in the central Atlantic Ocean. Nature, 2001, 411, 66-69.	13.7	588
136	Competition among marine phytoplankton for different chelated iron species. Nature, 1999, 400, 858-861.	13.7	429
137	Iron-limited diatom growth and Si:N uptake ratios in a coastal upwelling regime. Nature, 1998, 393, 561-564.	13.7	917
138	Iron and regenerated production: Evidence for biological iron recycling in two marine environments. Limnology and Oceanography, 1993, 38, 1242-1255.	1.6	119
139	Iron nutrition of Trichodesmium. , 1992, , 289-306.		88