Kunshan Gao

List of Publications by Year
in descending order

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242 papers	8,876 citations	46918 47 h-index	62479 80 g-index
276 all docs	276 docs citations	276 times ranked	6319 citing authors

#	Article	IF	Citations
1	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
2	Additive impacts of ocean acidification and ambient ultraviolet radiation threaten calcifying marine primary producers. Science of the Total Environment, 2022, 818, 151782.	3.9	4
3	Enhancement of diatom growth and phytoplankton productivity with reduced O2 availability is moderated by rising CO2. Communications Biology, 2022, 5, 54.	2.0	16
4	Elevated pCO2 changes community structure and function by affecting phytoplankton group-specific mortality. Marine Pollution Bulletin, 2022, 175, 113362.	2.3	5
5	Nitrogen Limitation Enhanced Calcification and Sinking Rate in the Coccolithophorid Gephyrocapsa oceanica Along With Its Growth Being Reduced. Frontiers in Marine Science, 2022, 9, .	1.2	3
6	Using macroalgae to address UN Sustainable Development goals through CO₂ remediation and improvement of the aquaculture environment. Applied Phycology, 2022, 3, 360-367.	0.6	4
7	Applying Dialysis Bags to Grow Microalgae and Measure Grazing Rates by Secondary Producers. Frontiers in Physiology, 2022, 13, .	1.3	0
8	Contrasting responses of phytoplankton productivity between coastal and offshore surface waters in the Taiwan Strait and the South China Sea to short-term seawater acidification. Biogeosciences, 2022, 19, 2795-2804.	1.3	5
9	Effects of climate change factors on marine macroalgae: A review. Advances in Marine Biology, 2021, 88, 91-136.	0.7	38
10	Nitrogen Limitation Decreases the Repair Capacity and Enhances Photoinhibition of Photosystem II in a Diatom. Photochemistry and Photobiology, 2021, 97, 745-752.	1.3	11
11	Ocean acidification interacts with growth light to suppress CO2 acquisition efficiency and enhance mitochondrial respiration in a coastal diatom. Marine Pollution Bulletin, 2021, 163, 112008.	2.3	7
12	Interactive Effects of Elevated CO2 Concentration and Light on the Picophytoplankton Synechococcus. Frontiers in Marine Science, 2021, 8, .	1.2	5
13	Diurnally fluctuatingpCO2 enhances growth of a coastal strain ofEmiliania huxleyiunder future-projected ocean acidification conditions. ICES Journal of Marine Science, 2021, 78, 1301-1310.	1.2	5
14	Ultraviolet Radiation Stimulates Activity of CO2 Concentrating Mechanisms in a Bloom-Forming Diatom Under Reduced CO2 Availability. Frontiers in Microbiology, 2021, 12, 651567.	1.5	12
15	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.	6.5	62
16	Photosynthesis and calcification of the coccolithophore Emiliania huxleyi are more sensitive to changed levels of light and CO2 under nutrient limitation. Journal of Photochemistry and Photobiology B: Biology, 2021, 217, 112145.	1.7	2
17	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
18	Elevated pCO2 Impedes Succession of Phytoplankton Community From Diatoms to Dinoflagellates Along With Increased Abundance of Viruses and Bacteria. Frontiers in Marine Science, 2021, 8, .	1.2	7

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19	Approaches and involved principles to control pH/pCO2 stability in algal cultures. Journal of Applied Phycology, 2021, 33, 3497-3505.	1.5	19
20	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.	1.6	6
21	Ocean acidification exacerbates copper toxicity in both juvenile and adult stages of the green tide alga Ulva linza. Marine Environmental Research, 2021, 170, 105447.	1.1	4
22	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.	1.7	3
23	Effects of Ocean Acidification on Marine Primary Producers and Related Ecological Processes Under Multiple Stressors. , 2021, , 401-426.		3
24	Manipulation of Seawater Carbonate Chemistry. , 2021, , 25-37.		1
25	Microalgae Continuous and Semi-continuous Cultures. , 2021, , 39-46.		1
26	Methods for Measuring Algal Carbon Fixation in Flow-Through Seawater. , 2021, , 179-185.		0
27	In Situ Measurement of Phytoplankton Photochemical Parameters. , 2021, , 245-251.		0
28	Phenolic Compounds and Other UV-Absorbing Compounds. , 2021, , 121-126.		0
29	Measurements of Calcification and Silicification. , 2021, , 269-276.		0
30	Biochemical Inhibitors for Algae. , 2021, , 255-257.		0
31	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
32	Acclimation to low ultravioletâ€B radiation increases photosystem I abundance and cyclic electron transfer with enhanced photosynthesis and growth in the cyanobacterium Nostoc sphaeroides. Environmental Microbiology, 2020, 22, 183-197.	1.8	14
33	Photosystems I and II in Ulva lactuca are well protected from high incident sunlight. Algal Research, 2020, 52, 102094.	2.4	9
34	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, .	1.2	7
35	Physiological and molecular responses to ocean acidification among strains of a model diatom. Limnology and Oceanography, 2020, 65, 2926-2936.	1.6	7
36	Role of C4 carbon fixation in Ulva prolifera, the macroalga responsible for the worldâ€™s largest green tides. Communications Biology, 2020, 3, 494.	2.0	30

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37	The Impacts of Ocean Acidification on Marine Food Quality and Its Potential Food Chain Consequences. Frontiers in Marine Science, 2020, 7, .	1.2	24
38	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.	1.7	6
39	Impacts of ocean acidification under multiple stressors on typical organisms and ecological processes. Marine Life Science and Technology, 2020, 2, 279-291.	1.8	38
40	Light availability modulates the effects of warming in a marine N₂ fixer. Biogeosciences, 2020, 17, 1169-1180.	1.3	7
41	Solar UV radiation exacerbates photoinhibition of a diatom by antifouling agents Irgarol 1051 and diuron. Journal of Applied Phycology, 2020, 32, 1243-1251.	1.5	6
42	Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. Journal of Hazardous Materials, 2020, 397, 122752.	6.5	81
43	Ocean acidification interacts with variable light to decrease growth but increase particulate organic nitrogen production in a diatom. Marine Environmental Research, 2020, 160, 104965.	1.1	7
44	Photosynthetic Performances of Marine Microalgae Under Influences of Rising CO2 and Solar UV Radiation. , 2020, , 139-150.		7
45	Using macroalgae as biofuel: current opportunities and challenges. Botanica Marina, 2020, 63, 355-370.	0.6	55
46	Reduced growth with increased quotas of particulate organic and inorganic carbon in the coccolithophore <i>Emiliania huxleyi</i> under future ocean climate change conditions. Biogeosciences, 2020, 17, 6357-6375.	1.3	9
47	Combined effects of CO2 level, light intensity, and nutrient availability on the coccolithophore Emiliania huxleyi. Hydrobiologia, 2019, 842, 127-141.	1.0	12
48	Physiological responses of a coccolithophore to multiple environmental drivers. Marine Pollution Bulletin, 2019, 146, 225-235.	2.3	8
49	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
50	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
51	Functional responses of smaller and larger diatoms to gradual CO2 rise. Science of the Total Environment, 2019, 680, 79-90.	3.9	15
52	Insensitivities of a subtropical productive coastal plankton community and trophic transfer to ocean acidification: Results from a microcosm study. Marine Pollution Bulletin, 2019, 141, 462-471.	2.3	3
53	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
54	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.	1.2	33

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55	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
56	Adaptive evolution in the coccolithophore Gephyrocapsa oceanica following 1,000 generations of selection under elevated <scp>CO</scp>₂. Global Change Biology, 2018, 24, 3055-3064.	4.2	40
57	Variation in cell size of the diatom Coscinodiscus granii influences photosynthetic performance and growth. Photosynthesis Research, 2018, 137, 41-52.	1.6	12
58	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.	1.3	4
59	Effects of increasing atmospheric CO2 on the marine phytoplankton and bacterial metabolism during a bloom: A coastal mesocosm study. Science of the Total Environment, 2018, 633, 618-629.	3.9	29
60	Water depth-dependant photosynthetic and growth rates of Gracilaria lemaneiformis, with special reference to effects of solar UV radiation. Aquaculture, 2018, 484, 28-31.	1.7	12
61	Individual and interactive effects of ocean acidification, global warming, and UV radiation on phytoplankton. Journal of Applied Phycology, 2018, 30, 743-759.	1.5	37
62	Effect of elevated <i>p</i>CO₂ on trace gas production during an ocean acidification mesocosm experiment. Biogeosciences, 2018, 15, 6649-6658.	1.3	3
63	Carbon pools and fluxes in the China Seas and adjacent oceans. Science China Earth Sciences, 2018, 61, 1535-1563.	2.3	51
64	Rising levels of temperature and CO2 antagonistically affect phytoplankton primary productivity in the South China Sea. Marine Environmental Research, 2018, 141, 159-166.	1.1	8
65	Interactive network configuration maintains bacterioplankton community structure under elevated CO₂ in a eutrophic coastal mesocosm experiment. Biogeosciences, 2018, 15, 551-565.	1.3	9
66	A Potential Role for Epigenetic Processes in the Acclimation Response to Elevated pCO2 in the Model Diatom Phaeodactylum tricornutum. Frontiers in Microbiology, 2018, 9, 3342.	1.5	39
67	Coccolith arrangement follows Eulerian mathematics in the coccolithophoreEmiliania huxleyi. PeerJ, 2018, 6, e4608.	0.9	6
68	Phytoplankton Responses to Ocean Climate Change Drivers: Interaction of Ocean Warming, Ocean Acidification and UV Exposure. , 2018, , 62-88.		1
69	UV-A induced delayed development in the larvae of coral Seriatopora caliendrum. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 249-255.	1.7	4
70	Diurnal pH fluctuations of seawater influence the responses of an economic red macroalga Gracilaria lemaneiformis to future CO2-induced seawater acidification. Aquaculture, 2017, 473, 383-388.	1.7	23
71	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
72	Increasing copper alters cellular elemental composition (MoÂand P) of marine diatom. Ecology and Evolution, 2017, 7, 3362-3371.	0.8	14

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73	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
74	Processes of coastal ecosystem carbon sequestration and approaches for increasing carbon sink. Science China Earth Sciences, 2017, 60, 809-820.	2.3	35
75	Short-term elevated CO2 exposure stimulated photochemical performance of a coastal marine diatom. Marine Environmental Research, 2017, 125, 42-48.	1.1	10
76	Effects of Ocean Acidification and UV Radiation on Marine Photosynthetic Carbon Fixation. , 2017, , 235-250.		7
77	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
78	The fatty acid content of plankton is changing in subtropical coastal waters as a result of OA: Results from a mesocosm study. Marine Environmental Research, 2017, 132, 51-62.	1.1	9
79	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.	1.7	14
80	Effects of seawater acidification on the growth rates of the diatom Thalassiosira (Conticribra) weissflogii under different nutrient, light, and UV radiation regimes. Journal of Applied Phycology, 2017, 29, 133-142.	1.5	27
81	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.	4.2	73
82	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
83	Ocean acidification modulates expression of genes and physiological performance of a marine diatom. PLoS ONE, 2017, 12, e0170970.	1.1	21
84	Changes in Bioenergetics Associated with Ocean Acidification and Climate Changes. Bioenergetics: Open Access, 2017, 06, .	0.1	2
85	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.	0.9	20
86	High levels of solar radiation offset impacts of ocean acidification on calcifying and non-calcifying strains of Emiliania huxleyi. Marine Ecology - Progress Series, 2017, 568, 47-58.	0.9	33
87	The role of coccoliths in protecting <i>Emiliania huxleyi</i> against stressful light and UV radiation. Biogeosciences, 2016, 13, 4637-4643.	1.3	27
88	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
89	Reviews and Syntheses: Ocean acidification and its potential impacts on marine ecosystems. Biogeosciences, 2016, 13, 1767-1786.	1.3	82
90	Contrasting Photophysiological Characteristics of Phytoplankton Assemblages in the Northern South China Sea. PLoS ONE, 2016, 11, e0153555.	1.1	10

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91	Ecophysiological responses of marine macroalgae to climate change factors. Journal of Applied Phycology, 2016, 28, 2953-2967.	1.5	75
92	Photosynthetic contribution of UV-A to carbon fixation by macroalgae. Phycologia, 2016, 55, 318-322.	0.6	13
93	Effects of varying growth irradiance and nitrogen sources on calcification and physiological performance of the coccolithophoreGephyrocapsa oceanicagrown under nitrogen limitation. Limnology and Oceanography, 2016, 61, 2234-2242.	1.6	17
94	Diurnal light utilization efficiency of phytoplankton is decreased by elevated CO2 concentration: a mesocosm experiment. Fundamental and Applied Limnology, 2016, 188, 83-92.	0.4	1
95	Incident Ultraviolet Irradiances Influence Physiology, Development and Settlement of Larva in the Coral Pocillopora damicornis. Photochemistry and Photobiology, 2016, 92, 293-300.	1.3	12
96	Escape responses of the Japanese anchovy Engraulis japonicus under elevated temperature and CO2 conditions. Fisheries Science, 2016, 82, 435-444.	0.7	9
97	Reduced resilience of a globally distributed coccolithophore to ocean acidification: Confirmed up to 2000 generations. Marine Pollution Bulletin, 2016, 103, 101-108.	2.3	14
98	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.	1.3	23
99	Photosynthetic Performance of the Red Alga Pyropia haitanensis During Emersion, With Special Reference to Effects of Solar UV Radiation, Dehydration and Elevated CO₂ Concentration. Photochemistry and Photobiology, 2015, 91, 1376-1381.	1.3	8
100	Interactions of anthropogenic stress factors on marine phytoplankton. Frontiers in Environmental Science, 2015, 3, .	1.5	66
101	Levels of Daily Light Doses Under Changed Day-Night Cycles Regulate Temporal Segregation of Photosynthesis and N2 Fixation in the Cyanobacterium Trichodesmium erythraeum IMS101. PLoS ONE, 2015, 10, e0135401.	1.1	12
102	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.	1.3	16
103	Effects of ultraviolet radiation on marine primary production with reference to satellite remote sensing. Frontiers of Earth Science, 2015, 9, 237-247.	0.9	7
104	Satellite remote sensing of ultraviolet irradiance on the ocean surface. Acta Oceanologica Sinica, 2015, 34, 101-112.	0.4	6
105	Environmental effects of ozone depletion and its interactions with climate change: 2014 assessment : Executive summary. Photochemical and Photobiological Sciences, 2015, 14, 14-18.	1.6	11
106	The impact of fluctuating light on the dinoflagellate Prorocentrum micans depends on NO3â^' and CO2 availability. Journal of Plant Physiology, 2015, 180, 18-26.	1.6	7
107	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
108	Ocean acidification increases the accumulation of toxic phenolic compounds across trophic levels. Nature Communications, 2015, 6, 8714.	5.8	91

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109	Combined effects of short-term ocean acidification and heat shock in a benthic copepod Tigriopus japonicus Mori. Marine Biology, 2015, 162, 1901-1912.	0.7	16
110	Physiological response of marine centric diatoms to ultraviolet radiation, with special reference to cell size. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 1-6.	1.7	24
111	Solar <scp>UV</scp> Irradiances Modulate Effects of Ocean Acidification on the Coccolithophorid Emiliania huxleyi. Photochemistry and Photobiology, 2015, 91, 92-101.	1.3	23
112	Viral attack exacerbates the susceptibility of a bloomâ€forming alga to ocean acidification. Global Change Biology, 2015, 21, 629-636.	4.2	21
113	Physiological Responses of a Model Marine Diatom to Fast pH Changes: Special Implications of Coastal Water Acidification. PLoS ONE, 2015, 10, e0141163.	1.1	9
114	Photochemical responses of the diatom Skeletonema costatum grown under elevated CO2 concentrations to short-term changes in pH. Aquatic Biology, 2015, 23, 109-118.	0.5	6
115	Light-Modulated Responses of Growth and Photosynthetic Performance to Ocean Acidification in the Model Diatom Phaeodactylum tricornutum. PLoS ONE, 2014, 9, e96173.	1.1	42
116	A red tide alga grown under ocean acidification upregulates its tolerance to lower pH by increasing its photophysiological functions. Biogeosciences, 2014, 11, 4829-4837.	1.3	16
117	Photophysiological responses of marine diatoms to elevated CO2 and decreased pH: a review. Functional Plant Biology, 2014, 41, 449.	1.1	169
118	Temperature response of photosynthetic lightâ€and carbonâ€use characteristics in the red seaweed Gracilariopsis lemaneiformis (<scp>G</scp>racilariales, <scp>R</scp>hodophyta). Journal of Phycology, 2014, 50, 366-375.	1.0	39
119	The photosynthetic and respiratory responses to temperature and nitrogen supply in the marine green macroalga Ulva conglobata (Chlorophyta). Phycologia, 2014, 53, 86-94.	0.6	33
120	Carbon limitation enhances CO2 concentrating mechanism but reduces trichome size in Arthrospira platensis (cyanobacterium). Journal of Applied Phycology, 2014, 26, 1465-1472.	1.5	8
121	Faster recovery of a diatom from UV damage under ocean acidification. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 249-254.	1.7	15
122	Effects of UV radiation on aquatic ecosystems and interactions with other environmental factors. Photochemical and Photobiological Sciences, 2014, 14, 108-126.	1.6	301
123	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.	0.5	62
124	Physiological and biochemical responses of diatoms to projected ocean changes. Marine Ecology - Progress Series, 2014, 515, 73-81.	0.9	16
125	Effects of solar UV radiation on photosynthetic performance of the diatom Skeletonema costatum grown under nitrate limited condition. Algae, 2014, 29, 27-34.	0.9	7
126	Effects of temperature, pH, and UV radiation on alkaline phosphatase activity in the terrestrial cyanobacterium Nostoc flagelliforme. Journal of Applied Phycology, 2013, 25, 1031-1038.	1.5	21

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127	Sources, factors, mechanisms and possible solutions to pollutants in marine ecosystems. Environmental Pollution, 2013, 182, 461-478.	3.7	45
128	Impacts of UV radiation on respiration, ammonia excretion, and survival of copepods with different feeding habits. Hydrobiologia, 2013, 701, 209-218.	1.0	9
129	Behavioral responses of zooplankton to solar radiation changes: in situ evidence. Hydrobiologia, 2013, 711, 155-163.	1.0	6
130	Cell Size-Dependent Effects of Solar UV Radiation on Primary Production in Coastal Waters of the South China Sea. Estuaries and Coasts, 2013, 36, 728-736.	1.0	28
131	Photosynthesis in Nature: A New Look. Environmental Science and Engineering, 2013, , 561-686.	0.1	6
132	Impacts of Global Warming on Biogeochemical Cycles in Natural Waters. Environmental Science and Engineering, 2013, , 851-914.	0.1	1
133	Ocean Acidification Alters the Photosynthetic Responses of a Coccolithophorid to Fluctuating Ultraviolet and Visible Radiation. Plant Physiology, 2013, 162, 2084-2094.	2.3	45
134	Thermal Acclimation of Respiration and Photosynthesis in the Marine Macroalga Gracilaria lemaneiformis (Gracilariales, Rhodophyta). Journal of Phycology, 2013, 49, 61-68.	1.0	44
135	EVOLUTIONARY RESPONSES OF A COCCOLITHOPHORIDGEPHYROCAPSA OCEANICATO OCEAN ACIDIFICATION. Evolution; International Journal of Organic Evolution, 2013, 67, 1869-1878.	1.1	77
136	The effects of ocean acidification on marine organisms and ecosystem. Chinese Science Bulletin, 2013, 58, 1307.	0.4	7
137	Photosynthetic carbon fixation by tropical coral reef phytoplankton assemblages: a UVR perspective. Algae, 2013, 28, 281-288.	0.9	9
138	Future CO2-Induced Ocean Acidification Mediates the Physiological Performance of a Green Tide Alga. Plant Physiology, 2012, 160, 1762-1769.	2.3	91
139	Rising CO2 and increased light exposure synergistically reduce marine primary productivity. Nature Climate Change, 2012, 2, 519-523.	8.1	307
140	Reduced Calcification Decreases Photoprotective Capability in the Coccolithophorid Emiliania huxleyi. Plant and Cell Physiology, 2012, 53, 1267-1274.	1.5	28
141	Growth and photosynthesis of a diatom grown under elevated CO2 in the presence of solar UV radiation. Fundamental and Applied Limnology, 2012, 180, 279-290.	0.4	32
142	Motility and photosynthetic responses of the green microalga Tetraselmis subcordiformis to visible and UV light levels. Journal of Applied Phycology, 2012, 24, 1613-1621.	1.5	24
143	Impacts of solar UV radiation on grazing, lipids oxidation and survival of Acartia pacifica Steuer (Copepod). Acta Oceanologica Sinica, 2012, 31, 126-134.	0.4	8
144	Variation in UV irradiance related to stratospheric ozone levels affects photosynthetic carbon fixation of winter phytoplankton assemblages from surface coastal water of the South China Sea. Marine Biology Research, 2012, 8, 670-676.	0.3	10

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145	CO₂-driven seawater acidification increases photochemical stress in a green alga. Phycologia, 2012, 51, 562-566.	0.6	21
146	Measurement of benthic photosynthesis and calcification in flowing-through seawater with stable carbonate chemistry. Limnology and Oceanography: Methods, 2012, 10, 555-559.	1.0	14
147	Physiological responses of the marine diatom Thalassiosira pseudonana to increased pCO2 and seawater acidity. Marine Environmental Research, 2012, 79, 142-151.	1.1	102
148	Interactive Effects of Ocean Acidification and Nitrogen-Limitation on the Diatom Phaeodactylum tricornutum. PLoS ONE, 2012, 7, e51590.	1.1	86
149	Semi-arid Regions and Deserts. , 2012, , 345-369.		30
150	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>NH</mml:mtext></mml:mrow><mml:mrow><mml:mn>4</m and UV radiation interact to affect the photosynthesis and nitrogen uptake of Gracilaria lemaneiformis (Rhodophyta). Marine Pollution Bulletin, 2012, 64, 99-105.	2.3	35
151	A marine secondary producer respires and feeds more in a high CO2 ocean. Marine Pollution Bulletin, 2012, 64, 699-703.	2.3	97
152	SHORTâ€•AND LONGâ€TERM EFFECTS OF ELEVATED CO₂ ON PHOTOSYNTHESIS AND RESPIRATION IN THE MARINE MACROALGA HIZIKIA FUSIFORMIS (SARGASSACEAE, PHAEOPHYTA) GROWN AT LOW AND HIGH N SUPPLIES¹. Journal of Phycology, 2011, 47, 87-97.	1.0	84
153	Differential Impacts of Solar UV Radiation on Photosynthetic Carbon Fixation from the Coastal to Offshore Surface Waters in the South China Sea. Photochemistry and Photobiology, 2011, 87, 329-334.	1.3	55
154	Impacts of chlorination and heat shocks on growth, pigments and photosynthesis of Phaeodactylum tricornutum (Bacillariophyceae). Journal of Experimental Marine Biology and Ecology, 2011, 397, 214-219.	0.7	21
155	Relationship of photosynthetic carbon fixation with environmental changes in the Jiulong River estuary of the South China Sea, with special reference to the effects of solar UV radiation. Marine Pollution Bulletin, 2011, 62, 1852-1858.	2.3	31
156	Solar ultraviolet radiation and CO2-induced ocean acidification interacts to influence the photosynthetic performance of the red tide alga Phaeocystis globosa (Prymnesiophyceae). Hydrobiologia, 2011, 675, 105-117.	1.0	58
157	Photosynthetic carbon acquisition in Sargassum henslowianum (Fucales, Phaeophyta), with special reference to the comparison between the vegetative and reproductive tissues. Photosynthesis Research, 2011, 107, 159-168.	1.6	16
158	Dark respiration in the light and in darkness of three marine macroalgal species grown under ambient and elevated CO2 concentrations. Acta Oceanologica Sinica, 2011, 30, 106-112.	0.4	19
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160	Combined effects of ocean acidification and solar UV radiation on photosynthesis, growth, pigmentation and calcification of the coralline alga Corallina sessilis (Rhodophyta). Global Change Biology, 2010, 16, 2388-2398.	4.2	178
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