

Kunshan Gao

List of Publications by Year in descending order

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242
papers

8,876
citations

47006

47
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62596

80
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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 <i>Gephyrocapsa oceanica</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112368.	3.8	4
2	Additive impacts of ocean acidification and ambient ultraviolet radiation threaten calcifying marine primary producers. <i>Science of the Total Environment</i> , 2022, 818, 151782.	8.0	4
3	Enhancement of diatom growth and phytoplankton productivity with reduced O ₂ availability is moderated by rising CO ₂ . <i>Communications Biology</i> , 2022, 5, 54.	4.4	16
4	Elevated pCO ₂ changes community structure and function by affecting phytoplankton group-specific mortality. <i>Marine Pollution Bulletin</i> , 2022, 175, 113362.	5.0	5
5	Nitrogen Limitation Enhanced Calcification and Sinking Rate in the Coccolithophorid <i>Gephyrocapsa oceanica</i> Along With Its Growth Being Reduced. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
6	Using macroalgae to address UN Sustainable Development goals through CO ₂ remediation and improvement of the aquaculture environment. <i>Applied Phycology</i> , 2022, 3, 360-367.	1.3	4
7	Applying Dialysis Bags to Grow Microalgae and Measure Grazing Rates by Secondary Producers. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	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. <i>Biogeosciences</i> , 2022, 19, 2795-2804.	3.3	5
9	Effects of climate change factors on marine macroalgae: A review. <i>Advances in Marine Biology</i> , 2021, 88, 91-136.	1.4	38
10	Nitrogen Limitation Decreases the Repair Capacity and Enhances Photoinhibition of Photosystem II in a Diatom. <i>Photochemistry and Photobiology</i> , 2021, 97, 745-752.	2.5	11
11	Ocean acidification interacts with growth light to suppress CO ₂ acquisition efficiency and enhance mitochondrial respiration in a coastal diatom. <i>Marine Pollution Bulletin</i> , 2021, 163, 112008.	5.0	7
12	Interactive Effects of Elevated CO ₂ Concentration and Light on the Picophytoplankton <i>Synechococcus</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
13	Diurnally fluctuating pCO ₂ enhances growth of a coastal strain of <i>Emiliana huxleyi</i> under future-projected ocean acidification conditions. <i>ICES Journal of Marine Science</i> , 2021, 78, 1301-1310.	2.5	5
14	Ultraviolet Radiation Stimulates Activity of CO ₂ Concentrating Mechanisms in a Bloom-Forming Diatom Under Reduced CO ₂ Availability. <i>Frontiers in Microbiology</i> , 2021, 12, 651567.	3.5	12
15	Current understanding and challenges for aquatic primary producers in a world with rising micro- and nano-plastic levels. <i>Journal of Hazardous Materials</i> , 2021, 406, 124685.	12.4	62
16	Photosynthesis and calcification of the coccolithophore <i>Emiliana huxleyi</i> are more sensitive to changed levels of light and CO ₂ under nutrient limitation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 217, 112145.	3.8	2
17	Interactions Between Ultraviolet B Radiation, Warming, and Changing Nitrogen Source May Reduce the Accumulation of Toxic <i>Pseudo-nitzschia multiseries</i> Biomass in Future Coastal Oceans. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
18	Elevated pCO ₂ Impedes Succession of Phytoplankton Community From Diatoms to Dinoflagellates Along With Increased Abundance of Viruses and Bacteria. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7

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19	Approaches and involved principles to control pH/pCO ₂ stability in algal cultures. <i>Journal of Applied Phycology</i> , 2021, 33, 3497-3505.	2.8	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. <i>Limnology and Oceanography</i> , 2021, 66, 3630.	3.1	6
21	Ocean acidification exacerbates copper toxicity in both juvenile and adult stages of the green tide alga <i>Ulva linza</i> . <i>Marine Environmental Research</i> , 2021, 170, 105447.	2.5	4
22	Increased CO ₂ 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. <i>Frontiers in Plant Science</i> , 2021, 12, 726538.	3.6	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 nitrogen-fixing cyanobacteria <i>Trichodesmium</i> and <i>Crocospaera</i> . <i>Limnology and Oceanography</i> , 2020, 65, 363-376.	3.1	13
32	Acclimation to low ultraviolet-B radiation increases photosystem I abundance and cyclic electron transfer with enhanced photosynthesis and growth in the cyanobacterium <i>Nostoc sphaeroides</i> . <i>Environmental Microbiology</i> , 2020, 22, 183-197.	3.8	14
33	Photosystems I and II in <i>Ulva lactuca</i> are well protected from high incident sunlight. <i>Algal Research</i> , 2020, 52, 102094.	4.6	9
34	Lower Salinity Leads to Improved Physiological Performance in the Coccolithophorid <i>Emiliana huxleyi</i> , Which Partly Ameliorates the Effects of Ocean Acidification. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
35	Physiological and molecular responses to ocean acidification among strains of a model diatom. <i>Limnology and Oceanography</i> , 2020, 65, 2926-2936.	3.1	7
36	Role of C ₄ carbon fixation in <i>Ulva prolifera</i> , the macroalga responsible for the world's largest green tides. <i>Communications Biology</i> , 2020, 3, 494.	4.4	30

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37	The Impacts of Ocean Acidification on Marine Food Quality and Its Potential Food Chain Consequences. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	24
38	Elevated CO ₂ concentration alleviates UVR-induced inhibition of photosynthetic light reactions and growth in an intertidal red macroalga. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 213, 112074.	3.8	6
39	Impacts of ocean acidification under multiple stressors on typical organisms and ecological processes. <i>Marine Life Science and Technology</i> , 2020, 2, 279-291.	4.6	38
40	Light availability modulates the effects of warming in a marine N-fixing cyanobacterium. <i>Biogeosciences</i> , 2020, 17, 1169-1180.	3.3	7
41	Solar UV radiation exacerbates photoinhibition of a diatom by antifouling agents Irgarol 1051 and diuron. <i>Journal of Applied Phycology</i> , 2020, 32, 1243-1251.	2.8	6
42	Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. <i>Journal of Hazardous Materials</i> , 2020, 397, 122752.	12.4	81
43	Ocean acidification interacts with variable light to decrease growth but increase particulate organic nitrogen production in a diatom. <i>Marine Environmental Research</i> , 2020, 160, 104965.	2.5	7
44	Photosynthetic Performances of Marine Microalgae Under Influences of Rising CO ₂ and Solar UV Radiation. , 2020, , 139-150.		7
45	Using macroalgae as biofuel: current opportunities and challenges. <i>Botanica Marina</i> , 2020, 63, 355-370.	1.2	55
46	Reduced growth with increased quotas of particulate organic and inorganic carbon in the coccolithophore <i>Emiliana huxleyi</i> under future ocean climate change conditions. <i>Biogeosciences</i> , 2020, 17, 6357-6375.	3.3	9
47	Combined effects of CO ₂ level, light intensity, and nutrient availability on the coccolithophore <i>Emiliana huxleyi</i> . <i>Hydrobiologia</i> , 2019, 842, 127-141.	2.0	12
48	Physiological responses of a coccolithophore to multiple environmental drivers. <i>Marine Pollution Bulletin</i> , 2019, 146, 225-235.	5.0	8
49	Physiological and biochemical responses of <i>Emiliana huxleyi</i> to ocean acidification and warming are modulated by UV radiation. <i>Biogeosciences</i> , 2019, 16, 561-572.	3.3	19
50	Effects of Ocean Acidification on Marine Photosynthetic Organisms Under the Concurrent Influences of Warming, UV Radiation, and Deoxygenation. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	136
51	Functional responses of smaller and larger diatoms to gradual CO ₂ rise. <i>Science of the Total Environment</i> , 2019, 680, 79-90.	8.0	15
52	Insensitivities of a subtropical productive coastal plankton community and trophic transfer to ocean acidification: Results from a microcosm study. <i>Marine Pollution Bulletin</i> , 2019, 141, 462-471.	5.0	3
53	Experimental strategies to assess the biological ramifications of multiple drivers of global ocean change—A review. <i>Global Change Biology</i> , 2018, 24, 2239-2261.	9.5	285
54	Diatom performance in a future ocean: interactions between nitrogen limitation, temperature, and CO ₂ -induced seawater acidification. <i>ICES Journal of Marine Science</i> , 2018, 75, 1451-1464.	2.5	33

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55	Interactive effects of temperature, CO ₂ and nitrogen source on a coastal California diatom assemblage. <i>Journal of Plankton Research</i> , 2018, 40, 151-164.	1.8	26
56	Adaptive evolution in the coccolithophore <i>Gephyrocapsa oceanica</i> following 1,000 generations of selection under elevated CO ₂ . <i>Global Change Biology</i> , 2018, 24, 3055-3064.	9.5	40
57	Variation in cell size of the diatom <i>Coscinodiscus granii</i> influences photosynthetic performance and growth. <i>Photosynthesis Research</i> , 2018, 137, 41-52.	2.9	12
58	Calcification Moderates the Increased Susceptibility to UV Radiation of the Coccolithophorid <i>Gephyrocapsa oceanica</i> Grown under Elevated CO ₂ Concentration: Evidence Based on Calcified and Non-calcified Cells. <i>Photochemistry and Photobiology</i> , 2018, 94, 994-1002.	2.5	4
59	Effects of increasing atmospheric CO ₂ on the marine phytoplankton and bacterial metabolism during a bloom: A coastal mesocosm study. <i>Science of the Total Environment</i> , 2018, 633, 618-629.	8.0	29
60	Water depth-dependant photosynthetic and growth rates of <i>Gracilaria lemaneiformis</i> , with special reference to effects of solar UV radiation. <i>Aquaculture</i> , 2018, 484, 28-31.	3.5	12
61	Individual and interactive effects of ocean acidification, global warming, and UV radiation on phytoplankton. <i>Journal of Applied Phycology</i> , 2018, 30, 743-759.	2.8	37
62	Effect of elevated CO ₂ on trace gas production during an ocean acidification mesocosm experiment. <i>Biogeosciences</i> , 2018, 15, 6649-6658.	3.3	3
63	Carbon pools and fluxes in the China Seas and adjacent oceans. <i>Science China Earth Sciences</i> , 2018, 61, 1535-1563.	5.2	51
64	Rising levels of temperature and CO ₂ antagonistically affect phytoplankton primary productivity in the South China Sea. <i>Marine Environmental Research</i> , 2018, 141, 159-166.	2.5	8
65	Interactive network configuration maintains bacterioplankton community structure under elevated CO ₂ in a eutrophic coastal mesocosm experiment. <i>Biogeosciences</i> , 2018, 15, 551-565.	3.3	9
66	A Potential Role for Epigenetic Processes in the Acclimation Response to Elevated pCO ₂ in the Model Diatom <i>Phaeodactylum tricornutum</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3342.	3.5	39
67	Coccolith arrangement follows Eulerian mathematics in the coccolithophore <i>Emiliania huxleyi</i> . <i>PeerJ</i> , 2018, 6, e4608.	2.0	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 <i>Seriatopora caliendrum</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 249-255.	3.8	4
70	Diurnal pH fluctuations of seawater influence the responses of an economic red macroalga <i>Gracilaria lemaneiformis</i> to future CO ₂ -induced seawater acidification. <i>Aquaculture</i> , 2017, 473, 383-388.	3.5	23
71	The acclimation process of phytoplankton biomass, carbon fixation and respiration to the combined effects of elevated temperature and pCO ₂ in the northern South China Sea. <i>Marine Pollution Bulletin</i> , 2017, 118, 213-220.	5.0	40
72	Increasing copper alters cellular elemental composition (Mo and P) of marine diatom. <i>Ecology and Evolution</i> , 2017, 7, 3362-3371.	1.9	14

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73	Carbon assimilation and losses during an ocean acidification mesocosm experiment, with special reference to algal blooms. <i>Marine Environmental Research</i> , 2017, 129, 229-235.	2.5	28
74	Processes of coastal ecosystem carbon sequestration and approaches for increasing carbon sink. <i>Science China Earth Sciences</i> , 2017, 60, 809-820.	5.2	35
75	Short-term elevated CO ₂ exposure stimulated photochemical performance of a coastal marine diatom. <i>Marine Environmental Research</i> , 2017, 125, 42-48.	2.5	10
76	Effects of Ocean Acidification and UV Radiation on Marine Photosynthetic Carbon Fixation. , 2017, , 235-250.		7
77	Effects of elevated CO ₂ on phytoplankton during a mesocosm experiment in the southern eutrophicated coastal water of China. <i>Scientific Reports</i> , 2017, 7, 6868.	3.3	17
78	The fatty acid content of plankton is changing in subtropical coastal waters as a result of OA: Results from a mesocosm study. <i>Marine Environmental Research</i> , 2017, 132, 51-62.	2.5	9
79	Effect of UV radiation on the expulsion of Symbiodinium from the coral <i>Pocillopora damicornis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 12-17.	3.8	14
80	Effects of seawater acidification on the growth rates of the diatom <i>Thalassiosira (Conticribra) weissflogii</i> under different nutrient, light, and UV radiation regimes. <i>Journal of Applied Phycology</i> , 2017, 29, 133-142.	2.8	27
81	Decreased photosynthesis and growth with reduced respiration in the model diatom <i>Phaeodactylum tricornutum</i> grown under elevated CO ₂ over 1800 generations. <i>Global Change Biology</i> , 2017, 23, 127-137.	9.5	73
82	Effects of ultraviolet radiation on photosynthetic performance and N ₂ fixation in <i>Trichodesmium erythraeum</i> IMS 101. <i>Biogeosciences</i> , 2017, 14, 4455-4466.	3.3	9
83	Ocean acidification modulates expression of genes and physiological performance of a marine diatom. <i>PLoS ONE</i> , 2017, 12, e0170970.	2.5	21
84	Changes in Bioenergetics Associated with Ocean Acidification and Climate Changes. <i>Bioenergetics: Open Access</i> , 2017, 06, .	0.1	2
85	Elevated CO ₂ and associated seawater chemistry do not benefit a model diatom grown with increased availability of light. <i>Aquatic Microbial Ecology</i> , 2017, 79, 137-147.	1.8	20
86	High levels of solar radiation offset impacts of ocean acidification on calcifying and non-calcifying strains of <i>Emiliana huxleyi</i> . <i>Marine Ecology - Progress Series</i> , 2017, 568, 47-58.	1.9	33
87	The role of coccoliths in protecting <i>Emiliana huxleyi</i> against stressful light and UV radiation. <i>Biogeosciences</i> , 2016, 13, 4637-4643.	3.3	27
88	Physiological responses of coastal and oceanic diatoms to diurnal fluctuations in seawater carbonate chemistry under two CO ₂ concentrations. <i>Biogeosciences</i> , 2016, 13, 6247-6259.	3.3	50
89	Reviews and Syntheses: Ocean acidification and its potential impacts on marine ecosystems. <i>Biogeosciences</i> , 2016, 13, 1767-1786.	3.3	82
90	Contrasting Photophysiological Characteristics of Phytoplankton Assemblages in the Northern South China Sea. <i>PLoS ONE</i> , 2016, 11, e0153555.	2.5	10

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91	Ecophysiological responses of marine macroalgae to climate change factors. <i>Journal of Applied Phycology</i> , 2016, 28, 2953-2967.	2.8	75
92	Photosynthetic contribution of UV-A to carbon fixation by macroalgae. <i>Phycologia</i> , 2016, 55, 318-322.	1.4	13
93	Effects of varying growth irradiance and nitrogen sources on calcification and physiological performance of the coccolithophore <i>Gephyrocapsa oceanica</i> grown under nitrogen limitation. <i>Limnology and Oceanography</i> , 2016, 61, 2234-2242.	3.1	17
94	Diurnal light utilization efficiency of phytoplankton is decreased by elevated CO ₂ concentration: a mesocosm experiment. <i>Fundamental and Applied Limnology</i> , 2016, 188, 83-92.	0.7	1
95	Incident Ultraviolet Irradiances Influence Physiology, Development and Settlement of Larva in the Coral <i>Pocillopora damicornis</i> . <i>Photochemistry and Photobiology</i> , 2016, 92, 293-300.	2.5	12
96	Escape responses of the Japanese anchovy <i>Engraulis japonicus</i> under elevated temperature and CO ₂ conditions. <i>Fisheries Science</i> , 2016, 82, 435-444.	1.6	9
97	Reduced resilience of a globally distributed coccolithophore to ocean acidification: Confirmed up to 2000 generations. <i>Marine Pollution Bulletin</i> , 2016, 103, 101-108.	5.0	14
98	Nitrate limitation and ocean acidification interact with UV-B to reduce photosynthetic performance in the diatom <i>Phaeodactylum tricorutum</i> . <i>Biogeosciences</i> , 2015, 12, 2383-2393.	3.3	23
99	Photosynthetic Performance of the Red Alga <i>Pyropia haitanensis</i> During Emersion, With Special Reference to Effects of Solar UV Radiation, Dehydration and Elevated CO ₂ Concentration. <i>Photochemistry and Photobiology</i> , 2015, 91, 1376-1381.	2.5	8
100	Interactions of anthropogenic stress factors on marine phytoplankton. <i>Frontiers in Environmental Science</i> , 2015, 3, .	3.3	66
101	Levels of Daily Light Doses Under Changed Day-Night Cycles Regulate Temporal Segregation of Photosynthesis and N ₂ Fixation in the Cyanobacterium <i>Trichodesmium erythraeum</i> IMS101. <i>PLoS ONE</i> , 2015, 10, e0135401.	2.5	12
102	Response of Growth and Photosynthesis of <i>Emiliana huxleyi</i> to Visible and UV Irradiances under Different Light Regimes. <i>Photochemistry and Photobiology</i> , 2015, 91, 343-349.	2.5	16
103	Effects of ultraviolet radiation on marine primary production with reference to satellite remote sensing. <i>Frontiers of Earth Science</i> , 2015, 9, 237-247.	2.1	7
104	Satellite remote sensing of ultraviolet irradiance on the ocean surface. <i>Acta Oceanologica Sinica</i> , 2015, 34, 101-112.	1.0	6
105	Environmental effects of ozone depletion and its interactions with climate change: 2014 assessment : Executive summary. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 14-18.	2.9	11
106	The impact of fluctuating light on the dinoflagellate <i>Prorocentrum micans</i> depends on NO ₃ ⁻ and CO ₂ availability. <i>Journal of Plant Physiology</i> , 2015, 180, 18-26.	3.5	7
107	Electron transport kinetics in the diazotrophic cyanobacterium <i>Trichodesmium</i> spp. grown across a range of light levels. <i>Photosynthesis Research</i> , 2015, 124, 45-56.	2.9	10
108	Ocean acidification increases the accumulation of toxic phenolic compounds across trophic levels. <i>Nature Communications</i> , 2015, 6, 8714.	12.8	91

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109	Combined effects of short-term ocean acidification and heat shock in a benthic copepod <i>Tigriopus japonicus</i> Mori. <i>Marine Biology</i> , 2015, 162, 1901-1912.	1.5	16
110	Physiological response of marine centric diatoms to ultraviolet radiation, with special reference to cell size. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 1-6.	3.8	24
111	Solar <sc>UV</sc> Irradiances Modulate Effects of Ocean Acidification on the Coccolithophorid <i>Emiliana huxleyi</i>. <i>Photochemistry and Photobiology</i> , 2015, 91, 92-101.	2.5	23
112	Viral attack exacerbates the susceptibility of a bloom-forming alga to ocean acidification. <i>Global Change Biology</i> , 2015, 21, 629-636.	9.5	21
113	Physiological Responses of a Model Marine Diatom to Fast pH Changes: Special Implications of Coastal Water Acidification. <i>PLoS ONE</i> , 2015, 10, e0141163.	2.5	9
114	Photochemical responses of the diatom <i>Skeletonema costatum</i> grown under elevated CO ₂ concentrations to short-term changes in pH. <i>Aquatic Biology</i> , 2015, 23, 109-118.	1.4	6
115	Light-Modulated Responses of Growth and Photosynthetic Performance to Ocean Acidification in the Model Diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2014, 9, e96173.	2.5	42
116	A red tide alga grown under ocean acidification upregulates its tolerance to lower pH by increasing its photophysiological functions. <i>Biogeosciences</i> , 2014, 11, 4829-4837.	3.3	16
117	Photophysiological responses of marine diatoms to elevated CO ₂ and decreased pH: a review. <i>Functional Plant Biology</i> , 2014, 41, 449.	2.1	169
118	Temperature response of photosynthetic light-use and carbon-use characteristics in the red seaweed <i>Gracilaria lemaneiformis</i> (<sc>Gracilariales</sc>, <sc>Rhodophyta</sc>). <i>Journal of Phycology</i> , 2014, 50, 366-375.	2.3	39
119	The photosynthetic and respiratory responses to temperature and nitrogen supply in the marine green macroalga <i>Ulva conglobata</i> (Chlorophyta). <i>Phycologia</i> , 2014, 53, 86-94.	1.4	33
120	Carbon limitation enhances CO ₂ concentrating mechanism but reduces trichome size in <i>Arthrospira platensis</i> (cyanobacterium). <i>Journal of Applied Phycology</i> , 2014, 26, 1465-1472.	2.8	8
121	Faster recovery of a diatom from UV damage under ocean acidification. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 140, 249-254.	3.8	15
122	Effects of UV radiation on aquatic ecosystems and interactions with other environmental factors. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 108-126.	2.9	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. <i>Aquatic Biology</i> , 2014, 22, 5-23.	1.4	62
124	Physiological and biochemical responses of diatoms to projected ocean changes. <i>Marine Ecology - Progress Series</i> , 2014, 515, 73-81.	1.9	16
125	Effects of solar UV radiation on photosynthetic performance of the diatom <i>Skeletonema costatum</i> grown under nitrate limited condition. <i>Algae</i> , 2014, 29, 27-34.	2.3	7
126	Effects of temperature, pH, and UV radiation on alkaline phosphatase activity in the terrestrial cyanobacterium <i>Nostoc flagelliforme</i> . <i>Journal of Applied Phycology</i> , 2013, 25, 1031-1038.	2.8	21

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127	Sources, factors, mechanisms and possible solutions to pollutants in marine ecosystems. Environmental Pollution, 2013, 182, 461-478.	7.5	45
128	Impacts of UV radiation on respiration, ammonia excretion, and survival of copepods with different feeding habits. Hydrobiologia, 2013, 701, 209-218.	2.0	9
129	Behavioral responses of zooplankton to solar radiation changes: in situ evidence. Hydrobiologia, 2013, 711, 155-163.	2.0	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.	2.2	28
131	Photosynthesis in Nature: A New Look. Environmental Science and Engineering, 2013, , 561-686.	0.2	6
132	Impacts of Global Warming on Biogeochemical Cycles in Natural Waters. Environmental Science and Engineering, 2013, , 851-914.	0.2	1
133	Ocean Acidification Alters the Photosynthetic Responses of a Coccolithophorid to Fluctuating Ultraviolet and Visible Radiation. Plant Physiology, 2013, 162, 2084-2094.	4.8	45
134	Thermal Acclimation of Respiration and Photosynthesis in the Marine Macroalga <i>Gracilaria lemaneiformis</i> (Gracilariales, Rhodophyta). Journal of Phycology, 2013, 49, 61-68.	2.3	44
135	EVOLUTIONARY RESPONSES OF A COCCOLITHOPHORID <i>GEPHYROCAPSA OCEANICA</i> TO OCEAN ACIDIFICATION. Evolution; International Journal of Organic Evolution, 2013, 67, 1869-1878.	2.3	77
136	The effects of ocean acidification on marine organisms and ecosystem. Chinese Science Bulletin, 2013, 58, 1307.	0.7	7
137	Photosynthetic carbon fixation by tropical coral reef phytoplankton assemblages: a UVR perspective. Algae, 2013, 28, 281-288.	2.3	9
138	Future CO ₂ -Induced Ocean Acidification Mediates the Physiological Performance of a Green Tide Alga. Plant Physiology, 2012, 160, 1762-1769.	4.8	91
139	Rising CO ₂ and increased light exposure synergistically reduce marine primary productivity. Nature Climate Change, 2012, 2, 519-523.	18.8	307
140	Reduced Calcification Decreases Photoprotective Capability in the Coccolithophorid <i>Emiliana huxleyi</i> . Plant and Cell Physiology, 2012, 53, 1267-1274.	3.1	28
141	Growth and photosynthesis of a diatom grown under elevated CO ₂ in the presence of solar UV radiation. Fundamental and Applied Limnology, 2012, 180, 279-290.	0.7	32
142	Motility and photosynthetic responses of the green microalga <i>Tetraselmis subcordiformis</i> to visible and UV light levels. Journal of Applied Phycology, 2012, 24, 1613-1621.	2.8	24
143	Impacts of solar UV radiation on grazing, lipids oxidation and survival of <i>Acartia pacifica</i> Steuer (Copepod). Acta Oceanologica Sinica, 2012, 31, 126-134.	1.0	8
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