

# Kunshan Gao

## List of Publications by Year in descending order

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242  
papers

8,876  
citations

47006

47  
h-index

62596

80  
g-index

276  
all docs

276  
docs citations

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times ranked

6319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of macroalgae for marine biomass production and CO <sub>2</sub> remediation: a review. <i>Journal of Applied Phycology</i> , 1994, 6, 45-60.	2.8	314
2	Rising CO <sub>2</sub> and increased light exposure synergistically reduce marine primary productivity. <i>Nature Climate Change</i> , 2012, 2, 519-523.	18.8	307
3	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
4	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
5	EFFECTS OF LOWERING TEMPERATURE DURING CULTURE ON THE PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN THE MARINE DIATOM PHAEODACTYLUM TRICORNUTUM (BACILLARIOPHYCEAE) 1. <i>Journal of Phycology</i> , 2004, 40, 651-654.	2.3	216
6	Solar UV Radiation Drives CO <sub>2</sub> Fixation in Marine Phytoplankton: A Double-Edged Sword. <i>Plant Physiology</i> , 2007, 144, 54-59.	4.8	189
7	Chinese studies on the edible blue-green alga, <i>Nostoc flagelliforme</i> : a review. <i>Journal of Applied Phycology</i> , 1998, 10, 37-49.	2.8	180
8	Combined effects of ocean acidification and solar UV radiation on photosynthesis, growth, pigmentation and calcification of the coralline alga <i>Corallina sessilis</i> (Rhodophyta). <i>Global Change Biology</i> , 2010, 16, 2388-2398.	9.5	178
9	Photophysiological responses of marine diatoms to elevated CO <sub>2</sub> and decreased pH: a review. <i>Functional Plant Biology</i> , 2014, 41, 449.	2.1	169
10	Response of Growth and Fatty Acid Compositions of <i>Nannochloropsis</i> sp. to Environmental Factors Under Elevated CO <sub>2</sub> Concentration. <i>Biotechnology Letters</i> , 2006, 28, 987-992.	2.2	155
11	Effects of Solar UV Radiation on Morphology and Photosynthesis of Filamentous Cyanobacterium <i>Arthrospira platensis</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 5004-5013.	3.1	139
12	Enhanced growth of the red alga <i>Porphyra yezoensis</i> Ueda in high CO <sub>2</sub> concentrations. <i>Journal of Applied Phycology</i> , 1991, 3, 355-362.	2.8	138
13	Optimization of growth and fatty acid composition of a unicellular marine picoplankton, <i>Nannochloropsis</i> sp., with enriched carbon sources. <i>Biotechnology Letters</i> , 2003, 25, 421-425.	2.2	137
14	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
15	Title is missing!. <i>Journal of Applied Phycology</i> , 2003, 15, 379-389.	2.8	131
16	Ocean acidification exacerbates the effect of UV radiation on the calcifying phytoplankter <i>Emiliana huxleyi</i> . <i>Limnology and Oceanography</i> , 2009, 54, 1855-1862.	3.1	115
17	Physiological responses of the marine diatom <i>Thalassiosira pseudonana</i> to increased pCO <sub>2</sub> and seawater acidity. <i>Marine Environmental Research</i> , 2012, 79, 142-151.	2.5	102
18	Effects of elevated CO <sub>2</sub> on the red seaweed <i>Gracilaria lemaneiformis</i> (Gigartinales). <i>Trends in Biotechnology</i> , 2014, 33, 14-19.	1.4	97

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19	A marine secondary producer respire and feeds more in a high CO <sub>2</sub> ocean. Marine Pollution Bulletin, 2012, 64, 699-703.	5.0	97
20	COMBINED EFFECTS OF ULTRAVIOLET RADIATION AND TEMPERATURE ON MORPHOLOGY, PHOTOSYNTHESIS, AND DNA OF <i>ARTHROSPIRA</i> ( <i>SPIRULINA</i> ) <i>PLATENSIS</i> (CYANOPHYTA) <sup>1</sup> . Journal of Phycology, 2008, 44, 777-786.	2.3	95
21	Solar PAR and UV radiation affects the physiology and morphology of the cyanobacterium <i>Anabaena</i> sp. PCC 7120. Journal of Photochemistry and Photobiology B: Biology, 2007, 89, 117-124.	3.8	94
22	Future CO <sub>2</sub> -Induced Ocean Acidification Mediates the Physiological Performance of a Green Tide Alga. Plant Physiology, 2012, 160, 1762-1769.	4.8	91
23	Ocean acidification increases the accumulation of toxic phenolic compounds across trophic levels. Nature Communications, 2015, 6, 8714.	12.8	91
24	Impacts of increased atmospheric CO <sub>2</sub> concentration on photosynthesis and growth of micro- and macro-algae. Science in China Series C: Life Sciences, 2008, 51, 1144-1150.	1.3	89
25	Interactive Effects of Ocean Acidification and Nitrogen-Limitation on the Diatom <i>Phaeodactylum tricornutum</i> . PLoS ONE, 2012, 7, e51590.	2.5	86
26	Effects of desiccation and CO <sub>2</sub> concentrations on emersed photosynthesis in <i>Porphyra haitanensis</i> (Bangiales, Rhodophyta), a species farmed in China. European Journal of Phycology, 2002, 37, 587-592.	2.0	85
27	SHORT- AND LONG-TERM EFFECTS OF ELEVATED CO <sub>2</sub> ON PHOTOSYNTHESIS AND RESPIRATION IN THE MARINE MACROALGA <i>HIZIKIA FUSIFORMIS</i> (SARGASSACEAE, PHAEOPHYTA) GROWN AT LOW AND HIGH N SUPPLIES <sup>1</sup> . Journal of Phycology, 2011, 47, 87-97.	2.3	84
28	Reviews and Syntheses: Ocean acidification and its potential impacts on marine ecosystems. Biogeosciences, 2016, 13, 1767-1786.	3.3	82
29	Effects of elevated CO <sub>2</sub> and phosphorus supply on growth, photosynthesis and nutrient uptake in the marine macroalga <i>Gracilaria lemaneiformis</i> (Rhodophyta). Botanica Marina, 2010, 53, 123-129.	1.2	81
30	Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. Journal of Hazardous Materials, 2020, 397, 122752.	12.4	81
31	EFFECTS OF CO <sub>2</sub> ENRICHMENT ON THE BLOOM-FORMING CYANOBACTERIUM <i>MICROCYSTIS AERUGINOSA</i> (CYANOPHYCEAE): PHYSIOLOGICAL RESPONSES AND RELATIONSHIPS WITH THE AVAILABILITY OF DISSOLVED INORGANIC CARBON <sup>1</sup> . Journal of Phycology, 2002, 38, 721-729.	2.3	78
32	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
33	Ecophysiological responses of marine macroalgae to climate change factors. Journal of Applied Phycology, 2016, 28, 2953-2967.	2.8	75
34	Decreased photosynthesis and growth with reduced respiration in the model diatom <i>Phaeodactylum tricornutum</i> grown under elevated CO <sub>2</sub> over 1800 generations. Global Change Biology, 2017, 23, 127-137.	9.5	73
35	IMPACTS OF SOLAR UV RADIATION ON THE PHOTOSYNTHESIS, GROWTH, AND UV-ABSORBING COMPOUNDS IN <i>GRACILARIA LEMANEIFORMIS</i> (RHODOPHYTA) GROWN AT DIFFERENT NITRATE CONCENTRATIONS <sup>1</sup> . Journal of Phycology, 2009, 45, 314-323.	2.3	66
36	Interactions of anthropogenic stress factors on marine phytoplankton. Frontiers in Environmental Science, 2015, 3, .	3.3	66

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37	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
38	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
39	Effects of solar UV radiation on diurnal photosynthetic performance and growth of <i>Gracilaria lemaneiformis</i> (Rhodophyta). <i>European Journal of Phycology</i> , 2008, 43, 297-307.	2.0	60
40	Solar ultraviolet radiation and CO <sub>2</sub> -induced ocean acidification interacts to influence the photosynthetic performance of the red tide alga <i>Phaeocystis globosa</i> (Prymnesiophyceae). <i>Hydrobiologia</i> , 2011, 675, 105-117.	2.0	58
41	Impacts of UV radiation on photosynthesis and growth of the coccolithophore <i>Emiliania huxleyi</i> (Haptophyceae). <i>Environmental and Experimental Botany</i> , 2010, 67, 502-508.	4.2	55
42	Differential Impacts of Solar UV Radiation on Photosynthetic Carbon Fixation from the Coastal to Offshore Surface Waters in the South China Sea. <i>Photochemistry and Photobiology</i> , 2011, 87, 329-334.	2.5	55
43	Using macroalgae as biofuel: current opportunities and challenges. <i>Botanica Marina</i> , 2020, 63, 355-370.	1.2	55
44	Photosynthetic characteristics of the terrestrial blue-green alga, <i>Nostoc flagelliforme</i> . <i>European Journal of Phycology</i> , 2001, 36, 147-156.	2.0	52
45	PHOTOSYNTHETIC UTILIZATION OF INORGANIC CARBON IN THE ECONOMIC BROWN ALGA, <i>HIZIKIA FUSIFORME</i> (SARGASSACEAE) FROM THE SOUTH CHINA SEA1. <i>Journal of Phycology</i> , 2003, 39, 1095-1100.	2.3	51
46	Photosynthetic physiology and growth as a function of colony size in the cyanobacterium <i>Nostoc sphaeroides</i> . <i>European Journal of Phycology</i> , 2004, 39, 9-15.	2.0	51
47	Carbon pools and fluxes in the China Seas and adjacent oceans. <i>Science China Earth Sciences</i> , 2018, 61, 1535-1563.	5.2	51
48	Physiological responses of coastal and oceanic diatoms to diurnal fluctuations in seawater carbonate chemistry under two CO <sub>2</sub> concentrations. <i>Biogeosciences</i> , 2016, 13, 6247-6259.	3.3	50
49	Variability of UVR Effects on Photosynthesis of Summer Phytoplankton Assemblages from a Tropical Coastal Area of the South China Sea. <i>Photochemistry and Photobiology</i> , 2007, 83, 802-809.	2.5	49
50	UV-A enhanced growth and UV-B induced positive effects in the recovery of photochemical yield in <i>Gracilaria lemaneiformis</i> (Rhodophyta). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 100, 117-122.	3.8	47
51	Effects of solar ultraviolet radiation on photosynthesis of the marine red tide alga <i>Heterosigma akashiwo</i> (Raphidophyceae). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 86, 140-148.	3.8	45
52	Sources, factors, mechanisms and possible solutions to pollutants in marine ecosystems. <i>Environmental Pollution</i> , 2013, 182, 461-478.	7.5	45
53	Ocean Acidification Alters the Photosynthetic Responses of a Coccolithophorid to Fluctuating Ultraviolet and Visible Radiation. <i>Plant Physiology</i> , 2013, 162, 2084-2094.	4.8	45
54	CULTURE OF THE TERRESTRIAL CYANOBACTERIUM, <i>NOSTOC FLAGELLIFORME</i> (CYANOPHYCEAE), UNDER AQUATIC CONDITIONS1. <i>Journal of Phycology</i> , 2003, 39, 617-623.	2.3	44

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55	Thermal Acclimation of Respiration and Photosynthesis in the Marine Macroalga <i>Gracilaria lemaneiformis</i> (Gracilariales, Rhodophyta). <i>Journal of Phycology</i> , 2013, 49, 61-68.	2.3	44
56	Ultraviolet radiation stimulated activity of extracellular carbonic anhydrase in the marine diatom <i>Skeletonema costatum</i> . <i>Functional Plant Biology</i> , 2009, 36, 137.	2.1	43
57	Light dependency of the photosynthetic recovery of <i>Nostoc flagelliforme</i> . <i>Journal of Applied Phycology</i> , 1998, 10, 51-53.	2.8	42
58	Relationship of CO <sub>2</sub> concentrations to photosynthesis of intertidal macroalgae during emersion. <i>Hydrobiologia</i> , 1999, 398/399, 355-359.	2.0	42
59	Title is missing!. <i>Journal of Applied Phycology</i> , 1999, 11, 535-541.	2.8	42
60	Growth, pigments, UV-absorbing compounds and agar yield of the economic red seaweed <i>Gracilaria lemaneiformis</i> (Rhodophyta) grown at different depths in the coastal waters of the South China Sea. <i>Journal of Applied Phycology</i> , 2008, 20, 681-686.	2.8	42
61	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
62	The acclimation process of phytoplankton biomass, carbon fixation and respiration to the combined effects of elevated temperature and pCO <sub>2</sub> in the northern South China Sea. <i>Marine Pollution Bulletin</i> , 2017, 118, 213-220.	5.0	40
63	Adaptive evolution in the coccolithophore <i>Gephyrocapsa oceanica</i> following 1,000 generations of selection under elevated CO <sub>2</sub> . <i>Global Change Biology</i> , 2018, 24, 3055-3064.	9.5	40
64	UV-absorbing compounds in <i>Porphyra haitanensis</i> (Rhodophyta) with special reference to effects of desiccation. <i>Journal of Applied Phycology</i> , 2008, 20, 387-395.	2.8	39
65	Temperature response of photosynthetic light and carbon use characteristics in the red seaweed <i>Gracilariopsis lemaneiformis</i> (Gracilariales, Rhodophyta). <i>Journal of Phycology</i> , 2014, 50, 366-375.	2.3	39
66	A Potential Role for Epigenetic Processes in the Acclimation Response to Elevated pCO <sub>2</sub> in the Model Diatom <i>Phaeodactylum tricornutum</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3342.	3.5	39
67	Photoregulation of morphological structure and its physiological relevance in the cyanobacterium <i>Arthrospira (Spirulina) platensis</i> . <i>Planta</i> , 2009, 230, 329-337.	3.2	38
68	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
69	Effects of climate change factors on marine macroalgae: A review. <i>Advances in Marine Biology</i> , 2021, 88, 91-136.	1.4	38
70	Spiral breakage and photoinhibition of <i>Arthrospira platensis</i> (Cyanophyta) caused by accumulation of reactive oxygen species under solar radiation. <i>Environmental and Experimental Botany</i> , 2010, 68, 208-213.	4.2	37
71	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
72	and UV radiation interact to affect the photosynthesis and nitrogen uptake of <i>Gracilaria lemaneiformis</i> (Rhodophyta). <i>Marine Pollution Bulletin</i> , 2012, 64, 99-105.	5.0	35

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73	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
74	Effects of Typhoon Kaemi on coastal phytoplankton assemblages in the South China Sea, with special reference to the effects of solar UV radiation. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	34
75	Differential responses of <i>Nostoc sphaeroides</i> and <i>Arthrospira platensis</i> to solar ultraviolet radiation exposure. <i>Journal of Applied Phycology</i> , 2006, 18, 57-66.	2.8	33
76	Use of UV-A Energy for Photosynthesis in the Red Macroalga <i>Gracilaria lemaneiformis</i> . <i>Photochemistry and Photobiology</i> , 2010, 86, 580-585.	2.5	33
77	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
78	Diatom performance in a future ocean: interactions between nitrogen limitation, temperature, and CO <sub>2</sub> -induced seawater acidification. <i>ICES Journal of Marine Science</i> , 2018, 75, 1451-1464.	2.5	33
79	High levels of solar radiation offset impacts of ocean acidification on calcifying and non-calcifying strains of <i>Emiliania huxleyi</i> . <i>Marine Ecology - Progress Series</i> , 2017, 568, 47-58.	1.9	33
80	Light histories influence the impacts of solar ultraviolet radiation on photosynthesis and growth in a marine diatom, <i>Skeletonema costatum</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008, 91, 151-156.	3.8	32
81	RESPONSES TO SOLAR UV RADIATION OF THE DIATOM <i>SKELETONEMA COSTATUM</i> (BACILLARIOPHYCEAE) GROWN AT DIFFERENT Zn <sup>2+</sup> CONCENTRATIONS <sup>1</sup> . <i>Journal of Phycology</i> , 2009, 45, 119-129.	2.3	32
82	Growth and photosynthesis of a diatom grown under elevated CO <sub>2</sub> in the presence of solar UV radiation. <i>Fundamental and Applied Limnology</i> , 2012, 180, 279-290.	0.7	32
83	Photosynthesis and growth of <i>Arthrospira</i> ( <i>Spirulina</i> ) <i>platensis</i> (Cyanophyta) in response to solar UV radiation, with special reference to its minor variant. <i>Environmental and Experimental Botany</i> , 2008, 63, 123-129.	4.2	31
84	Impacts of UV radiation on growth and photosynthetic carbon acquisition in <i>Gracilaria lemaneiformis</i> (Rhodophyta) under phosphorus-limited and replete conditions. <i>Functional Plant Biology</i> , 2009, 36, 1057.	2.1	31
85	Photosynthetic acclimation to different light levels in the brown marine macroalga, <i>Hizikia fusiformis</i> (Sargassaceae, Phaeophyta). <i>Journal of Applied Phycology</i> , 2010, 22, 395-404.	2.8	31
86	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. <i>Marine Pollution Bulletin</i> , 2011, 62, 1852-1858.	5.0	31
87	Vertical mixing within the epilimnion modulates UVR-induced photoinhibition in tropical freshwater phytoplankton from southern China. <i>Freshwater Biology</i> , 2007, 52, 1260-1270.	2.4	30
88	Semi-arid Regions and Deserts. , 2012, , 345-369.		30
89	Role of C <sub>4</sub> 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
90	PHOTOSYNTHETIC INSENSITIVITY OF THE TERRESTRIAL CYANOBACTERIUM <i>NOSTOC FLAGELLIFORME</i> TO SOLAR UV RADIATION WHILE REHYDRATED OR DESICCATED <sup>1</sup> . <i>Journal of Phycology</i> , 2007, 43, 628-635.	2.3	29

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91	Responses of a marine red tide alga <i>Skeletonema costatum</i> (Bacillariophyceae) to long-term UV radiation exposures. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 94, 82-86.	3.8	29
92	Effects of increasing atmospheric CO <sub>2</sub> 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
93	Reduced Calcification Decreases Photoprotective Capability in the Coccolithophorid <i>Emiliana huxleyi</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1267-1274.	3.1	28
94	Cell Size-Dependent Effects of Solar UV Radiation on Primary Production in Coastal Waters of the South China Sea. <i>Estuaries and Coasts</i> , 2013, 36, 728-736.	2.2	28
95	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
96	Seasonal Pattern of Reproduction Of <i>Hizikia Fusiformis</i> (Sargassaceae, Phaeophyta) from Nanao Island, Shantou, China. <i>Journal of Applied Phycology</i> , 2006, 18, 195-201.	2.8	27
97	The role of coccoliths in protecting &lt;i>Emiliana huxleyi&lt;/i> against stressful light and UV radiation. <i>Biogeosciences</i> , 2016, 13, 4637-4643.	3.3	27
98	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
99	Interactive effects of temperature, CO <sub>2</sub> and nitrogen source on a coastal California diatom assemblage. <i>Journal of Plankton Research</i> , 2018, 40, 151-164.	1.8	26
100	PHOTOSYNTHETIC BICARBONATE UTILIZATION BY A TERRESTRIAL CYANOBACTERIUM, <i>NOSTOC FLAGELLIFORME</i> (CYANOPHYCEAE). <i>Journal of Phycology</i> , 2001, 37, 768-771.	2.3	25
101	Characterization of diurnal photosynthetic rhythms in the marine diatom <i>Skeletonema costatum</i> grown in synchronous culture under ambient and elevated CO <sub>2</sub> . <i>Functional Plant Biology</i> , 2004, 31, 399.	2.1	25
102	RELATIONSHIP OF GROWTH AND PHOTOSYNTHESIS WITH COLONY SIZE IN AN EDIBLE CYANOBACTERIUM, <i>GEA€XIANá€MI &lt;i&gt;NOSTOC&lt;/i&gt;</i> (CYANOPHYCEAE)<sup>1</sup>. <i>Journal of Phycology</i> , 2004, 40, 523-526.	2.3	25
103	Photosynthetic characteristics of the economic brown seaweed <i>Hizikia fusiforme</i> (Sargassaceae,) Tj ETQq1 1 0.784314 rgBT /Overloc 255-259.	2.8	25
104	Influence of CO <sub>2</sub> , light and watering on growth of <i>Nostoc flagelliforme</i> mats. <i>Journal of Applied Phycology</i> , 2000, 12, 185-189.	2.8	24
105	Motility and photosynthetic responses of the green microalga <i>Tetraselmis subcordiformis</i> to visible and UV light levels. <i>Journal of Applied Phycology</i> , 2012, 24, 1613-1621.	2.8	24
106	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
107	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
108	Photosynthetic utilisation of inorganic carbon and its regulation in the marine diatom <i>Skeletonema costatum</i> . <i>Functional Plant Biology</i> , 2004, 31, 1027.	2.1	24

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109	Effects of solar UV radiation on germination of conchospores and morphogenesis of sporelings in <i>Porphyra haitanensis</i> (Rhodophyta). <i>Marine Biology</i> , 2007, 151, 1751-1759.	1.5	23
110	D1 protein turnover is involved in protection of Photosystem II against UV-B induced damage in the cyanobacterium <i>Arthrospira</i> ( <i>Spirulina</i> ) <i>platensis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 104, 320-325.	3.8	23
111	Nitrate limitation and ocean acidification interact with UV-B to reduce photosynthetic performance in the diatom <i>Phaeodactylum tricornutum</i> . <i>Biogeosciences</i> , 2015, 12, 2383-2393.	3.3	23
112	Solar UV 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
113	Diurnal pH fluctuations of seawater influence the responses of an economic red macroalga <i>Gracilaria lemaneiformis</i> to future CO <sub>2</sub> -induced seawater acidification. <i>Aquaculture</i> , 2017, 473, 383-388.	3.5	23
114	Effects of solar ultraviolet radiation on biomass production and pigment contents of <i>Spirulina platensis</i> in commercial operations under sunny and cloudy weather conditions. <i>Fisheries Science</i> , 2005, 71, 454-456.	1.6	22
115	Impacts of chlorination and heat shocks on growth, pigments and photosynthesis of <i>Phaeodactylum tricornutum</i> (Bacillariophyceae). <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 397, 214-219.	1.5	21
116	CO <sub>2</sub> -driven seawater acidification increases photochemical stress in a green alga. <i>Phycologia</i> , 2012, 51, 562-566.	1.4	21
117	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
118	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
119	Ocean acidification modulates expression of genes and physiological performance of a marine diatom. <i>PLoS ONE</i> , 2017, 12, e0170970.	2.5	21
120	In situ growth rates of <i>Sargassum horneri</i> (Fucales, Phaeophyta). <i>Phycological Research</i> , 1997, 45, 55-57.	1.6	20
121	The odd behaviour of carbonic anhydrase in the terrestrial cyanobacterium <i>Nostoc flagelliforme</i> during hydration-dehydration cycles. <i>Environmental Microbiology</i> , 2008, 10, 1018-1023.	3.8	20
122	Photosynthetically active and UV radiation act in an antagonistic way in regulating buoyancy of <i>Arthrospira</i> ( <i>Spirulina</i> ) <i>platensis</i> (cyanobacterium). <i>Environmental and Experimental Botany</i> , 2009, 66, 265-269.	4.2	20
123	Physiological Responses of Seaweeds to Elevated Atmospheric CO <sub>2</sub> Concentrations. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010, , 115-126.	0.3	20
124	Elevated CO <sub>2</sub> 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
125	Title is missing!. <i>Journal of Applied Phycology</i> , 2002, 14, 77-83.	2.8	19
126	Acquisition of inorganic carbon by <i>Enderachne binghamiae</i> (Scytosiphonales, Phaeophyceae). <i>European Journal of Phycology</i> , 2010, 45, 117-126.	2.0	19

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129	Approaches and involved principles to control pH/pCO <sub>2</sub> stability in algal cultures. <i>Journal of Applied Phycology</i> , 2021, 33, 3497-3505.	2.8	19
130	Seasonal Impacts of Solar UV Radiation on Photosynthesis of Phytoplankton Assemblages in the Coastal Waters of the South China Sea. <i>Photochemistry and Photobiology</i> , 2010, 86, 586-592.	2.5	18
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139	Physiological and biochemical responses of diatoms to projected ocean changes. <i>Marine Ecology - Progress Series</i> , 2014, 515, 73-81.	1.9	16
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141	Responses of dark respiration in the light to desiccation and temperature in the intertidal macroalga, <i>Ulva lactuca</i> (Chlorophyta) during emersion. <i>Phycologia</i> , 2007, 46, 363-370.	1.4	15
142	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
143	Functional responses of smaller and larger diatoms to gradual CO <sub>2</sub> rise. <i>Science of the Total Environment</i> , 2019, 680, 79-90.	8.0	15
144	Impacts of CO <sub>2</sub> enrichment on growth and photosynthesis in freshwater and marine diatoms. <i>Chinese Journal of Oceanology and Limnology</i> , 2008, 26, 407-414.	0.7	14

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182	THE CONCHOCELIS OF <i>PORPHYRA HAITANENSIS</i> (RHODOPHYTA) IS PROTECTED FROM HARMFUL UV RADIATION BY THE COVERING CALCAREOUS MATRIX <sup>1</sup> . Journal of Phycology, 2009, 45, 1270-1277.	2.3	8
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