

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
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276
all docs

276
docs citations

276
times ranked

6319
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of macroalgae for marine biomass production and CO ₂ remediation: a review. <i>Journal of Applied Phycology</i> , 1994, 6, 45-60.	1.5	314
2	Rising CO ₂ and increased light exposure synergistically reduce marine primary productivity. <i>Nature Climate Change</i> , 2012, 2, 519-523.	8.1	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.	1.6	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.	4.2	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.	1.0	216
6	Solar UV Radiation Drives CO ₂ Fixation in Marine Phytoplankton: A Double-Edged Sword. <i>Plant Physiology</i> , 2007, 144, 54-59.	2.3	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.	1.5	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.	4.2	178
9	Photophysiological responses of marine diatoms to elevated CO ₂ and decreased pH: a review. <i>Functional Plant Biology</i> , 2014, 41, 449.	1.1	169
10	Response of Growth and Fatty Acid Compositions of <i>Nannochloropsis</i> sp. to Environmental Factors Under Elevated CO ₂ Concentration. <i>Biotechnology Letters</i> , 2006, 28, 987-992.	1.1	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.	1.4	139
12	Enhanced growth of the red alga <i>Porphyra yezoensis</i> Ueda in high CO ₂ concentrations. <i>Journal of Applied Phycology</i> , 1991, 3, 355-362.	1.5	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.	1.1	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, .	1.2	136
15	Title is missing!. <i>Journal of Applied Phycology</i> , 2003, 15, 379-389.	1.5	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.	1.6	115
17	Physiological responses of the marine diatom <i>Thalassiosira pseudonana</i> to increased pCO ₂ and seawater acidity. <i>Marine Environmental Research</i> , 2012, 79, 142-151.	1.1	102
18	Effects of elevated CO ₂ on the red seaweed <i>Gracilaria lemaneiformis</i> (Gigartinales). <i>Trends in Biotechnology</i> , 2006, 24, 100-106.	0.6	97

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19	A marine secondary producer respire and feeds more in a high CO ₂ ocean. <i>Marine Pollution Bulletin</i> , 2012, 64, 699-703.	2.3	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) ¹ . <i>Journal of Phycology</i> , 2008, 44, 777-786.	1.0	95
21	Solar PAR and UV radiation affects the physiology and morphology of the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 89, 117-124.	1.7	94
22	Future CO ₂ -Induced Ocean Acidification Mediates the Physiological Performance of a Green Tide Alga. <i>Plant Physiology</i> , 2012, 160, 1762-1769.	2.3	91
23	Ocean acidification increases the accumulation of toxic phenolic compounds across trophic levels. <i>Nature Communications</i> , 2015, 6, 8714.	5.8	91
24	Impacts of increased atmospheric CO ₂ concentration on photosynthesis and growth of micro- and macro-algae. <i>Science in China Series C: Life Sciences</i> , 2008, 51, 1144-1150.	1.3	89
25	Interactive Effects of Ocean Acidification and Nitrogen-Limitation on the Diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2012, 7, e51590.	1.1	86
26	Effects of desiccation and CO ₂ concentrations on emersed photosynthesis in <i>Porphyra haitanensis</i> (Bangiales, Rhodophyta), a species farmed in China. <i>European Journal of Phycology</i> , 2002, 37, 587-592.	0.9	85
27	SHORT- AND LONG-TERM EFFECTS OF ELEVATED CO ₂ ON PHOTOSYNTHESIS AND RESPIRATION IN THE MARINE MACROALGA <i>HIZIKIA FUSIFORMIS</i> (SARGASSACEAE, PHAEOPHYTA) GROWN AT LOW AND HIGH N SUPPLIES ¹ . <i>Journal of Phycology</i> , 2011, 47, 87-97.	1.0	84
28	Reviews and Syntheses: Ocean acidification and its potential impacts on marine ecosystems. <i>Biogeosciences</i> , 2016, 13, 1767-1786.	1.3	82
29	Effects of elevated CO ₂ and phosphorus supply on growth, photosynthesis and nutrient uptake in the marine macroalga <i>Gracilaria lemaneiformis</i> (Rhodophyta). <i>Botanica Marina</i> , 2010, 53, 123-129.	0.6	81
30	Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. <i>Journal of Hazardous Materials</i> , 2020, 397, 122752.	6.5	81
31	EFFECTS OF CO ₂ ENRICHMENT ON THE BLOOM-FORMING CYANOBACTERIUM <i>MICROCYSTIS AERUGINOSA</i> (CYANOPHYCEAE): PHYSIOLOGICAL RESPONSES AND RELATIONSHIPS WITH THE AVAILABILITY OF DISSOLVED INORGANIC CARBON ¹ . <i>Journal of Phycology</i> , 2002, 38, 721-729.	1.0	78
32	EVOLUTIONARY RESPONSES OF A COCCOLITHOPHORID <i>GEPHYROCAPSA OCEANICA</i> TO OCEAN ACIDIFICATION. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 1869-1878.	1.1	77
33	Ecophysiological responses of marine macroalgae to climate change factors. <i>Journal of Applied Phycology</i> , 2016, 28, 2953-2967.	1.5	75
34	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.	4.2	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 ¹ . <i>Journal of Phycology</i> , 2009, 45, 314-323.	1.0	66
36	Interactions of anthropogenic stress factors on marine phytoplankton. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	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.	6.5	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.	0.5	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.	0.9	60
40	Solar ultraviolet radiation and CO ₂ -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.	1.0	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.	2.0	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.	1.3	55
43	Using macroalgae as biofuel: current opportunities and challenges. <i>Botanica Marina</i> , 2020, 63, 355-370.	0.6	55
44	Photosynthetic characteristics of the terrestrial blue-green alga, <i>Nostoc flagelliforme</i> . <i>European Journal of Phycology</i> , 2001, 36, 147-156.	0.9	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.	1.0	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.	0.9	51
47	Carbon pools and fluxes in the China Seas and adjacent oceans. <i>Science China Earth Sciences</i> , 2018, 61, 1535-1563.	2.3	51
48	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.	1.3	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.	1.3	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.	1.7	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.	1.7	45
52	Sources, factors, mechanisms and possible solutions to pollutants in marine ecosystems. <i>Environmental Pollution</i> , 2013, 182, 461-478.	3.7	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.	2.3	45
54	CULTURE OF THE TERRESTRIAL CYANOBACTERIUM, <i>NOSTOC FLAGELLIFORME</i> (CYANOPHYCEAE), UNDER AQUATIC CONDITIONS1. <i>Journal of Phycology</i> , 2003, 39, 617-623.	1.0	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.	1.0	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.	1.1	43
57	Light dependency of the photosynthetic recovery of <i>Nostoc flagelliforme</i> . <i>Journal of Applied Phycology</i> , 1998, 10, 51-53.	1.5	42
58	Relationship of CO ₂ concentrations to photosynthesis of intertidal macroalgae during emersion. <i>Hydrobiologia</i> , 1999, 398/399, 355-359.	1.0	42
59	Title is missing!. <i>Journal of Applied Phycology</i> , 1999, 11, 535-541.	1.5	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.	1.5	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.	1.1	42
62	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.	2.3	40
63	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.	4.2	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.	1.5	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.	1.0	39
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.	1.5	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.	1.6	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.	1.8	38
69	Effects of climate change factors on marine macroalgae: A review. <i>Advances in Marine Biology</i> , 2021, 88, 91-136.	0.7	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.	2.0	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.	1.5	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.	2.3	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.	2.3	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.	1.5	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.	1.3	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.	0.6	33
78	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.	1.2	33
79	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.	0.9	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.	1.7	32
81	RESPONSES TO SOLAR UV RADIATION OF THE DIATOM <i>SKELETONEMA COSTATUM</i> (BACILLARIOPHYCEAE) GROWN AT DIFFERENT Zn ²⁺ CONCENTRATIONS ¹ . <i>Journal of Phycology</i> , 2009, 45, 119-129.	1.0	32
82	Growth and photosynthesis of a diatom grown under elevated CO ₂ in the presence of solar UV radiation. <i>Fundamental and Applied Limnology</i> , 2012, 180, 279-290.	0.4	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.	2.0	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.	1.1	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.	1.5	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.	2.3	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.	1.2	30
88	Semi-arid Regions and Deserts. , 2012, , 345-369.		30
89	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.	2.0	30
90	PHOTOSYNTHETIC INSENSITIVITY OF THE TERRESTRIAL CYANOBACTERIUM <i>NOSTOC FLAGELLIFORME</i> TO SOLAR UV RADIATION WHILE REHYDRATED OR DESICCATED ¹ . <i>Journal of Phycology</i> , 2007, 43, 628-635.	1.0	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.	1.7	29
92	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.	3.9	29
93	Reduced Calcification Decreases Photoprotective Capability in the Coccolithophorid <i>Emiliana huxleyi</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1267-1274.	1.5	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.	1.0	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.	1.1	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.	1.5	27
97	The role of coccoliths in protecting <i>Emiliana huxleyi</i> against stressful light and UV radiation. <i>Biogeosciences</i> , 2016, 13, 4637-4643.	1.3	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.	1.5	27
99	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.	0.8	26
100	PHOTOSYNTHETIC BICARBONATE UTILIZATION BY A TERRESTRIAL CYANOBACTERIUM, <i>NOSTOC FLAGELLIFORME</i> (CYANOPHYCEAE). <i>Journal of Phycology</i> , 2001, 37, 768-771.	1.0	25
101	Characterization of diurnal photosynthetic rhythms in the marine diatom <i>Skeletonema costatum</i> grown in synchronous culture under ambient and elevated CO ₂ . <i>Functional Plant Biology</i> , 2004, 31, 399.	1.1	25
102	RELATIONSHIP OF GROWTH AND PHOTOSYNTHESIS WITH COLONY SIZE IN AN EDIBLE CYANOBACTERIUM, <i>GEËXIANÀ€MI <i>NOSTOC</i></i> (CYANOPHYCEAE) ¹ . <i>Journal of Phycology</i> , 2004, 40, 523-526.	1.0	25
103	Photosynthetic characteristics of the economic brown seaweed <i>Hizikia fusiforme</i> (Sargassaceae,) Tj ETQq1 1 0.784314 rgBT /Overloc 255-259.	1.5	25
104	Influence of CO ₂ , light and watering on growth of <i>Nostoc flagelliforme</i> mats. <i>Journal of Applied Phycology</i> , 2000, 12, 185-189.	1.5	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.	1.5	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.	1.7	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, .	1.2	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.	1.1	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.	0.7	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.	1.7	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.	1.3	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.	1.3	23
113	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.	1.7	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.	0.7	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.	0.7	21
116	CO ₂ -driven seawater acidification increases photochemical stress in a green alga. <i>Phycologia</i> , 2012, 51, 562-566.	0.6	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.	1.5	21
118	Viral attack exacerbates the susceptibility of a bloom-forming alga to ocean acidification. <i>Global Change Biology</i> , 2015, 21, 629-636.	4.2	21
119	Ocean acidification modulates expression of genes and physiological performance of a marine diatom. <i>PLoS ONE</i> , 2017, 12, e0170970.	1.1	21
120	In situ growth rates of <i>Sargassum horneri</i> (Fucales, Phaeophyta). <i>Phycological Research</i> , 1997, 45, 55-57.	0.8	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.	1.8	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.	2.0	20
123	Physiological Responses of Seaweeds to Elevated Atmospheric CO ₂ Concentrations. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010, , 115-126.	0.3	20
124	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.	0.9	20
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