

Gang Li

List of Publications by Year in descending order

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79
papers

2,185
citations

236925

25
h-index

254184

43
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83
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83
docs citations

83
times ranked

2283
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar UV Radiation Drives CO ₂ Fixation in Marine Phytoplankton: A Double-Edged Sword. <i>Plant Physiology</i> , 2007, 144, 54-59.	4.8	189
2	The seahorse genome and the evolution of its specialized morphology. <i>Nature</i> , 2016, 540, 395-399.	27.8	186
3	<i>Ulva prolifera</i> green-tide outbreaks and their environmental impact in the Yellow Sea, China. <i>National Science Review</i> , 2019, 6, 825-838.	9.5	142
4	Enhanced catalytic degradation of ciprofloxacin with FeS ₂ /SiO ₂ microspheres as heterogeneous Fenton catalyst: Kinetics, reaction pathways and mechanism. <i>Journal of Hazardous Materials</i> , 2017, 327, 108-115.	12.4	122
5	Rising CO ₂ Interacts with Growth Light and Growth Rate to Alter Photosystem II Photoinactivation of the Coastal Diatom <i>Thalassiosira pseudonana</i> . <i>PLoS ONE</i> , 2013, 8, e55562.	2.5	85
6	Simultaneous photocatalytic Cr(VI) reduction and ciprofloxacin oxidation over TiO ₂ /Fe ₀ composite under aerobic conditions: Performance, durability, pathway and mechanism. <i>Chemical Engineering Journal</i> , 2017, 315, 167-176.	12.7	78
7	Effect of salinity on growth, biochemical composition, and lipid productivity of <i>Nannochloropsis oculata</i> . <i>Engineering in Life Sciences</i> , 2012, 12, 631-637.	3.6	71
8	The nitrogen costs of photosynthesis in a diatom under current and future pCO ₂ . <i>New Phytologist</i> , 2015, 205, 533-543.	7.3	59
9	Carbon sequestration processes and mechanisms in coastal mariculture environments in China. <i>Science China Earth Sciences</i> , 2017, 60, 2097-2107.	5.2	58
10	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
11	Spatial and seasonal distributions of bacterioplankton in the Pearl River Estuary: The combined effects of riverine inputs, temperature, and phytoplankton. <i>Marine Pollution Bulletin</i> , 2017, 125, 199-207.	5.0	50
12	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
13	Distribution of picoplankton in the northeastern South China Sea with special reference to the effects of the Kuroshio intrusion and the associated mesoscale eddies. <i>Science of the Total Environment</i> , 2017, 589, 1-10.	8.0	48
14	Spatio-temporal variability of phytoplankton assemblages in the Pearl River estuary, with special reference to the influence of turbidity and temperature. <i>Continental Shelf Research</i> , 2011, 31, 1672-1681.	1.8	47
15	Effect of Salinity Change on Biomass and Biochemical Composition of <i>Nannochloropsis oculata</i> . <i>Journal of the World Aquaculture Society</i> , 2012, 43, 97-106.	2.4	44
16	Photosystem II protein clearance and FtsH function in the diatom <i>Thalassiosira pseudonana</i> . <i>Photosynthesis Research</i> , 2013, 115, 43-54.	2.9	42
17	Arctic <i>Micromonas</i> uses protein pools and non-photochemical quenching to cope with temperature restrictions on Photosystem II protein turnover. <i>Photosynthesis Research</i> , 2017, 131, 203-220.	2.9	42
18	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

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19	Effects of inorganic carbon concentration on carbon formation, nitrate utilization, biomass and oil accumulation of <i>Nannochloropsis oculata</i> CS 179. <i>Bioresource Technology</i> , 2012, 111, 353-359.	9.6	34
20	Carbon sequestration capacity of shifting sand dune after establishing new vegetation in the Tengger Desert, northern China. <i>Science of the Total Environment</i> , 2014, 478, 1-11.	8.0	34
21	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
22	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
23	The dynamics of reproductive rate, offspring survivorship and growth in the lined seahorse, <i>Hippocampus erectus</i> Perry, 1810. <i>Biology Open</i> , 2012, 1, 391-396.	1.2	29
24	Synechococcus bloom in the Pearl River Estuary and adjacent coastal area—With special focus on flooding during wet seasons. <i>Science of the Total Environment</i> , 2019, 692, 769-783.	8.0	29
25	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
26	A Hard Day's Night: Diatoms Continue Recycling Photosystem II in the Dark. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	28
27	The key to dinoflagellate (<i>Noctiluca scintillans</i>) blooming and outcompeting diatoms in winter off Pakistan, northern Arabian Sea. <i>Science of the Total Environment</i> , 2019, 694, 133396.	8.0	27
28	Quantitating active photosystem II reaction center content from fluorescence induction transients. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 54-69.	2.0	26
29	Subsurface low dissolved oxygen occurred at fresh- and saline-water intersection of the Pearl River estuary during the summer period. <i>Marine Pollution Bulletin</i> , 2018, 126, 585-591.	5.0	26
30	Environmental gradients regulate the spatial variations of phytoplankton biomass and community structure in surface water of the Pearl River estuary. <i>Acta Ecologica Sinica</i> , 2014, 34, 129-133.	1.9	25
31	Bacterioplankton Metacommunity Processes across Thermal Gradients: Weaker Species Sorting but Stronger Niche Segregation in Summer than in Winter in a Subtropical Bay. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	24
32	Latitudinal variability (6°S–20°N) of early summer phytoplankton species compositions and size-fractionated productivity from Java Sea to South China Sea. <i>Marine Biology Research</i> , 2012, 8, 163-171.	0.7	22
33	Diatom growth responses to photoperiod and light are predictable from diel reductant generation. <i>Journal of Phycology</i> , 2017, 53, 95-107.	2.3	21
34	Oxygen availability driven trends in DOM molecular composition and reactivity in a seasonally stratified fjord. <i>Water Research</i> , 2022, 220, 118690.	11.3	21
35	Does microzooplankton grazing contribute to the pico-phytoplankton dominance in subtropical and tropical oligotrophic waters?. <i>Acta Ecologica Sinica</i> , 2015, 35, 29-38.	1.9	19
36	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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37	Interactive effects of nitrogen and light on growth rates and RUBISCO content of small and large centric diatoms. <i>Photosynthesis Research</i> , 2017, 131, 93-103.	2.9	17
38	Effects of elevated CO ₂ and nitrogen supply on the growth and photosynthetic physiology of a marine cyanobacterium, <i>Synechococcus</i> sp. PCC7002. <i>Journal of Applied Phycology</i> , 2017, 29, 1755-1763.	2.8	17
39	Beneficial effects of aluminum enrichment on nitrogen-fixing cyanobacteria in the South China Sea. <i>Marine Pollution Bulletin</i> , 2018, 129, 142-150.	5.0	16
40	The increasing aluminum content affects the growth, cellular chlorophyll a and oxidation stress of cyanobacteria <i>Synechococcus</i> sp. WH7803. <i>Oceanological and Hydrobiological Studies</i> , 2015, 44, 343-351.	0.7	14
41	Transcriptomic responses of the marine cyanobacterium <i>Prochlorococcus</i> to viral lysis products. <i>Environmental Microbiology</i> , 2019, 21, 2015-2028.	3.8	14
42	High antioxidant capability interacts with respiration to mediate two <i>Alexandrium</i> species growth exploitation of photoperiods and light intensities. <i>Harmful Algae</i> , 2019, 82, 26-34.	4.8	14
43	The relationship between two <i>Synechococcus</i> strains and heterotrophic bacterial communities and its associated carbon flow. <i>Journal of Applied Phycology</i> , 2021, 33, 953-966.	2.8	14
44	The in-situ release of algal bloom populations and the role of prokaryotic communities in their establishment and growth. <i>Water Research</i> , 2022, 219, 118565.	11.3	13
45	Vertical Patterns of Early Summer Chlorophyll a Concentration in the Indian Ocean with Special Reference to the Variation of Deep Chlorophyll Maximum. <i>Journal of Marine Biology</i> , 2012, 2012, 1-6.	1.0	11
46	Longitudinal patterns of spring-intermonsoon phytoplankton biomass, species compositions and size structure in the Bay of Bengal. <i>Acta Oceanologica Sinica</i> , 2012, 31, 121-128.	1.0	11
47	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. <i>Marine Biology Research</i> , 2012, 8, 670-676.	0.7	10
48	Algal density mediates the photosynthetic responses of a marine macroalga <i>Ulva conglobata</i> (Chlorophyta) to temperature and pH changes. <i>Algal Research</i> , 2020, 46, 101797.	4.6	10
49	Distribution of harmful dinoflagellate cysts in the surface sediments of Daya Bay of the South China Sea and their relationship to environmental factors. <i>International Biodeterioration and Biodegradation</i> , 2019, 139, 44-53.	3.9	9
50	Photosynthetic carbon fixation by tropical coral reef phytoplankton assemblages: a UVR perspective. <i>Algae</i> , 2013, 28, 281-288.	2.3	9
51	Differential physiological responses of the coastal cyanobacterium <i>Synechococcus</i> sp. PCC7002 to elevated pCO ₂ at lag, exponential, and stationary growth phases. <i>Science China Earth Sciences</i> , 2018, 61, 1397-1405.	5.2	8
52	Is phosphorus a limiting factor to regulate the growth of phytoplankton in Daya Bay, northern South China Sea: a mesocosm experiment. <i>Ecotoxicology</i> , 2019, 28, 559-568.	2.4	8
53	Diel Rhythm in Photosynthetic Performance of Phytoplankton Assemblages Is Predicted to Be Light-Dependent from in situ and Mesocosm Chlorophyll Fluorescence. <i>Journal of Coastal Research</i> , 2020, 104, .	0.3	8
54	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

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55	Fast acclimation of phytoplankton assemblies to acute salinity stress in the Jiulong River Estuary. <i>Acta Oceanologica Sinica</i> , 2019, 38, 78-85.	1.0	7
56	Phosphorus deficiency induced by aluminum in a marine nitrogen-fixing cyanobacterium <i>Crocospaera watsonii</i> WH0003. <i>Chemosphere</i> , 2020, 246, 125641.	8.2	7
57	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
58	Photosynthetic Characteristics of Three Cohabitated Macroalgae in the Daya Bay, and Their Responses to Temperature Rises. <i>Plants</i> , 2021, 10, 2441.	3.5	7
59	Latitudinal changes (6°S-20°N) of summer ciliate abundance and species compositions in surface waters from the Java Sea to the South China Sea. <i>Acta Oceanologica Sinica</i> , 2013, 32, 66-70.	1.0	6
60	Satellite remote sensing of ultraviolet irradiance on the ocean surface. <i>Acta Oceanologica Sinica</i> , 2015, 34, 101-112.	1.0	6
61	Dimethylsulfide and dimethylsulfoniopropionate production along coastal waters of the northern South China Sea. <i>Continental Shelf Research</i> , 2016, 117, 118-125.	1.8	6
62	Lowering pO ₂ Interacts with Photoperiod to Alter Physiological Performance of the Coastal Diatom <i>Thalassiosira pseudonana</i> . <i>Microorganisms</i> , 2021, 9, 2541.	3.6	6
63	Photoperiod mediates the differential physiological responses of smaller <i>Thalassiosira pseudonana</i> and larger <i>Thalassiosira punctigera</i> to temperature changes. <i>Journal of Applied Phycology</i> , 2020, 32, 2863-2874.	2.8	5
64	Rising nutrient nitrogen reverses the impact of temperature on photosynthesis and respiration of a macroalga <i>Caulerpa lentillifera</i> (Ulvophyceae, Caulerpacaeae). <i>Journal of Applied Phycology</i> , 2021, 33, 1115-1123.	2.8	5
65	Variations in silicate concentration affecting photosynthetic carbon fixation by spring phytoplankton assemblages in surface water of the Strait of Malacca. <i>Acta Oceanologica Sinica</i> , 2013, 32, 77-81.	1.0	4
66	Inhibitory effects of <i>Prorocentrum donghaiense</i> allelochemicals on <i>Sargassum fusiformis</i> zygotes probed by JIP-test based on fast chlorophyll fluorescence kinetics. <i>Marine Environmental Research</i> , 2021, 170, 105453.	2.5	4
67	Photosynthetic Characteristics of Smaller and Larger Cell Size-Fractioned Phytoplankton Assemblies in the Daya Bay, Northern South China Sea. <i>Microorganisms</i> , 2022, 10, 16.	3.6	4
68	High temperature stress might hamper the success of sexual reproduction in <i>Hizikia fusiformis</i> from Shantou, China: a photosynthetic perspective. <i>Phycologia</i> , 2018, 57, 394-400.	1.4	3
69	Algal density alleviates the elevated CO ₂ caused reduction on growth of <i>Porphyra haitanensis</i> (Bangiales, Rhodophyta), a species farmed in China. <i>Aquaculture Research</i> , 2020, 51, 3879-3887.	1.8	3
70	Nitrogen and phosphorus enrichments alter the dynamics of the plankton community in Daya Bay, northern South China Sea: results of mesocosm studies. <i>Marine and Freshwater Research</i> , 2021, , .	1.3	3
71	Differential Physiological Responses of Small <i>Thalassiosira pseudonana</i> and Large <i>Thalassiosira punctigera</i> to the Shifted-High Light and Nitrogen. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 450.	2.6	3
72	Cell Size Dependent Responses of Phytoplankton Assemblages to Nitrate and Phosphate Additions in Surface Waters of the Northern South China Sea. <i>Open Journal of Marine Science</i> , 2014, 04, 61-67.	0.5	3

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73	Response of a Coastal Microbial Community to Olivine Addition in the Muping Marine Ranch, Yantai. <i>Frontiers in Microbiology</i> , 2021, 12, 805361.	3.5	3
74	Rising pCO ₂ interacts with algal density to reversely alter physiological responses of <i>Gracilaria lemaneiformis</i> and <i>Ulva conglobata</i> . <i>Algal Research</i> , 2021, 54, 102231.	4.6	2
75	Acutely Rising Temperature Reduces Photosynthetic Capacity of Phytoplankton Assemblages in Tropical Oceans: A Large-Scale Investigation. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	2
76	Photosynthetic Characteristics of Macroalgae <i>Ulva fasciata</i> and <i>Sargassum thunbergii</i> in the Daya Bay of the South China Sea, with Special Reference to the Effects of Light Quality. <i>Sustainability</i> , 2022, 14, 8063.	3.2	2
77	Measurements of Photoinactivation and Repair of Photosystem II. , 2021, , 207-217.		1
78	Photosynthetic Carbon Fixation. , 2021, , 139-147.		0
79	Photobleaching and Recovery of Symbiodiniaceae <i>Effrenium voratum</i> SCS01 Reveals Life Form Transformation Under Thermal Stress. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	0