Xiaogang Xing

List of Publications by Year in descending order

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42 papers	1,579 citations	331538 21 h-index	315616 38 g-index
44 all docs	44 docs citations	44 times ranked	1767 citing authors

#	Article	IF	Citations
1	Improved Perceptron of Subsurface Chlorophyll Maxima by a Deep Neural Network: A Case Study with BGC-Argo Float Data in the Northwestern Pacific Ocean. Remote Sensing, 2022, 14, 632.	1.8	9
2	Biogeochemical Model Optimization by Using Satellite-Derived Phytoplankton Functional Type Data and BGC-Argo Observations in the Northern South China Sea. Remote Sensing, 2022, 14, 1297.	1.8	3
3	Oceanic Fronts Structure Phytoplankton Distributions in the Central South Indian Ocean. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	3
4	A limited effect of sub-tropical typhoons on phytoplankton dynamics. Biogeosciences, 2021, 18, 849-859.	1.3	29
5	Influence of multi-scale dynamics on the vertical nitrate distribution around the Kuroshio Extension: An investigation based on BGC-Argo and satellite data. Progress in Oceanography, 2021, 193, 102543.	1.5	9
6	Far-Field Impacts of a Super Typhoon on Upper Ocean Phytoplankton Dynamics. Frontiers in Marine Science, 2021, 8, .	1.2	13
7	Chlorophyllâ€Based Model to Estimate Underwater Photosynthetically Available Radiation for Modeling, Inâ€Situ , and Remoteâ€Sensing Applications. Geophysical Research Letters, 2021, 48, e2020GL092189.	1.5	12
8	Relationships between optical backscattering, particulate organic carbon, and phytoplankton carbon in the oligotrophic South China Sea basin. Optics Express, 2021, 29, 15159.	1.7	9
9	Correction of Biogeochemical-Argo Radiometry for Sensor Temperature-Dependence and Drift: Protocols for a Delayed-Mode Quality Control. Sensors, 2021, 21, 6217.	2.1	4
10	Seasonal and Dailyâ€Scale Photoacclimation Modulating the Phytoplankton Chlorophyllâ€Carbon Coupling Relationship in the Midâ€Latitude Northwest Pacific. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017717.	1.0	8
11	A blockchain index structure based on subchain query. Journal of Cloud Computing: Advances, Systems and Applications, 2021, 10, .	2.1	10
12	An Inherent Optical Properties Data Processing System for Achieving Consistent Ocean Color Products From Different Ocean Color Satellites. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015811.	1.0	8
13	Arctic mid-winter phytoplankton growth revealed by autonomous profilers. Science Advances, 2020, 6, .	4.7	33
14	Enhanced Winter Carbon Export Observed by BGCâ€Argo in the Northwest Pacific Ocean. Geophysical Research Letters, 2020, 47, e2020GL089847.	1.5	14
15	Evaluation of Ocean Color Remote Sensing Algorithms for Diffuse Attenuation Coefficients and Optical Depths with Data Collected on BGC-Argo Floats. Remote Sensing, 2020, 12, 2367.	1.8	16
16	Preparing the New Phase of Argo: Scientific Achievements of the NAOS Project. Frontiers in Marine Science, 2020, 7, .	1.2	10
17	Monitoring ocean biogeochemistry with autonomous platforms. Nature Reviews Earth & Environment, 2020, 1, 315-326.	12.2	114
18	The Effects of Pheophytin a on Absorption Properties of Phytoplankton in Dalian Bay, China. IOP Conference Series: Earth and Environmental Science, 2020, 428, 012048.	0.2	3

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19	The variability of chlorophyll-a and its relationship with dynamic factors in the basin of the South China Sea. Journal of Marine Systems, 2019, 200, 103230.	0.9	50
20	A BGC-Argo Guide: Planning, Deployment, Data Handling and Usage. Frontiers in Marine Science, 2019, 6, .	1.2	86
21	Temporal and Vertical Variations of Particulate and Dissolved Optical Properties in the South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 3779-3795.	1.0	21
22	Toward deeper development of Biogeochemical-Argo floats. Atmospheric and Oceanic Science Letters, 2018, 11, 287-290.	0.5	4
23	Improved correction for non-photochemical quenching of in situ chlorophyll fluorescence based on a synchronous irradiance profile. Optics Express, 2018, 26, 24734.	1.7	50
24	Laboratory results on the dependence of dark current upon environmental temperature variability for Satlanticâ€™s OCR504 radiometers. , 2018, , .		1
25	Recommendations for obtaining unbiased chlorophyll estimates from in situ chlorophyll fluorometers: A global analysis of WET Labs ECO sensors. Limnology and Oceanography: Methods, 2017, 15, 572-585.	1.0	191
26	Correction of profiles of inâ€situ chlorophyll fluorometry for the contribution of fluorescence originating from nonâ€algal matter. Limnology and Oceanography: Methods, 2017, 15, 80-93.	1.0	44
27	A Spectrally Selective Attenuation Mechanismâ€Based K par Algorithm for Biomass Heating Effect Simulation in the Open Ocean. Journal of Geophysical Research: Oceans, 2017, 122, 9370-9386.	1.0	8
28	Two databases derived from BGC-Argo float measurements for marine biogeochemical and bio-optical applications. Earth System Science Data, 2017, 9, 861-880.	3.7	42
29	A Novel Near-Real-Time Quality-Control Procedure for Radiometric Profiles Measured by Bio-Argo Floats: Protocols and Performances. Journal of Atmospheric and Oceanic Technology, 2016, 33, 937-951.	0.5	57
30	Seasonal dynamics in colored dissolved organic matter in the Mediterranean Sea: Patterns and drivers. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 83, 93-101.	0.6	25
31	Understanding the seasonal dynamics of phytoplankton biomass and the deep chlorophyll maximum in oligotrophic environments: A Bioâ€Argo float investigation. Global Biogeochemical Cycles, 2014, 28, 856-876.	1.9	167
32	Seasonal variations of bioâ€optical properties and their interrelationships observed by <scp>B</scp>ioâ€<scp>A</scp>rgo floats in the subpolar <scp>N</scp>orth <scp>A</scp>tlantic. Journal of Geophysical Research: Oceans, 2014, 119, 7372-7388.	1.0	29
33	Instrumented elephant seals reveal the seasonality in chlorophyll and lightâ€mixing regime in the ironâ€fertilized Southern Ocean. Geophysical Research Letters, 2013, 40, 6368-6372.	1.5	32
34	Calibration procedures and first dataset of Southern Ocean chlorophyll <i>a</i> profiles collected by elephant seals equipped with a newly developed CTD-fluorescence tags. Earth System Science Data, 2013, 5, 15-29.	3.7	51
35	Combined processing and mutual interpretation of radiometry and fluorometry from autonomous profiling Bioâ€Argo floats: 2. Colored dissolved organic matter absorption retrieval. Journal of Geophysical Research, 2012, 117, .	3.3	43
36	Quenching correction for in vivo chlorophyll fluorescence acquired by autonomous platforms: A case study with instrumented elephant seals in the Kerguelen region (Southern Ocean). Limnology and Oceanography: Methods, 2012, 10, 483-495.	1.0	128

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37	Combined processing and mutual interpretation of radiometry and fluorimetry from autonomous profiling Bio-Argo floats: Chlorophyllaretrieval. Journal of Geophysical Research, 2011, 116, .	3.3	85
38	From the shape of the vertical profile of in vivo fluorescence to Chlorophyll-<i>a</i> concentration. Biogeosciences, 2011, 8, 2391-2406.	1.3	58
39	The relation of chlorophyll-a concentration with the reflectance peak near 700 nm in algae-dominated waters and sensitivity of fluorescence algorithms for detecting algal bloom. International Journal of Remote Sensing, 2010, 31, 39-48.	1.3	35
40	In situ determination of sunâ€induced chlorophyll a fluorescence quantum yield in the North China Sea. International Journal of Remote Sensing, 2008, 29, 851-865.	1.3	4
41	An overview of remote sensing of chlorophyll fluorescence. Ocean Science Journal, 2007, 42, 49-59.	0.6	51
42	Comparison of chlorophyll algorithms in the bohai sea of China. Ocean Science Journal, 2007, 42, 199-209.	0.6	7