Antoine Poteau

List of Publications by Year
in descending order

40	1,971	257357 24	315616 38
papers	citations	h-index	g-index

58	58	58	1994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Spectral dependency of optical backscattering by marine particles from satellite remote sensing of the global ocean. Journal of Geophysical Research, 2006, 111, .	3.3	156
4	Investigation of the optical backscattering to scattering ratio of marine particles in relation to their biogeochemical composition in the eastern English Channel and southern North Sea. Limnology and Oceanography, 2007, 52, 739-752.	1.6	155
5	A BGC-Argo Guide: Planning, Deployment, Data Handling and Usage. Frontiers in Marine Science, 2019, 6, .	1.2	86
6	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
7	Retrieval of the seawater reflectance for suspended solids monitoring in the East China Sea using MODIS, MERIS and GOCI satellite data. Remote Sensing of Environment, 2014, 146, 36-48.	4.6	73
8	Deep Chlorophyll Maxima in the Global Ocean: Occurrences, Drivers and Characteristics. Global Biogeochemical Cycles, 2021, 35, e2020GB006759.	1.9	69
9	Seasonal variability of nutrient concentrations in the <scp>M</scp>editerranean <scp>S</scp>ea: Contribution of <scp>B</scp>ioâ€<scp>A</scp>rgo floats. Journal of Geophysical Research: Oceans, 2015, 120, 8528-8550.	1.0	59
10	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
11	Observing mixed layer depth, nitrate and chlorophyll concentrations in the northwestern Mediterranean: A combined satellite and NO₃ profiling floats experiment. Geophysical Research Letters, 2014, 41, 6443-6451.	1.5	57
12	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
13	Assessing the Variability in the Relationship Between the Particulate Backscattering Coefficient and the Chlorophyll a Concentration From a Global Biogeochemicalâ€Argo Database. Journal of Geophysical Research: Oceans, 2018, 123, 1229-1250.	1.0	55
14	Unexpected winter phytoplankton blooms in the North Atlantic subpolar gyre. Nature Geoscience, 2017, 10, 836-839.	5.4	52
15	A neural networkâ€based method for merging ocean color and Argo data to extend surface bioâ€optical properties to depth: Retrieval of the particulate backscattering coefficient. Journal of Geophysical Research: Oceans, 2016, 121, 2552-2571.	1.0	50
16	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
17	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
18	Bio-optical characterization of subsurface chlorophyll maxima in the Mediterranean Sea from a Biogeochemical-Argo float database. Biogeosciences, 2019, 16, 1321-1342.	1.3	43

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19	Plankton Assemblage Estimated with BGCâ€Argo Floats in the Southern Ocean: Implications for Seasonal Successions and Particle Export. Journal of Geophysical Research: Oceans, 2017, 122, 8278-8292.	1.0	42
20	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
21	Global Variability of Optical Backscattering by Nonâ€algal particles From a Biogeochemicalâ€Argo Data Set. Geophysical Research Letters, 2019, 46, 9767-9776.	1.5	41
22	Towards a merged satellite and in situ fluorescence ocean chlorophyll product. Biogeosciences, 2012, 9, 2111-2125.	1.3	37
23	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
24	Particulate concentration and seasonal dynamics in the mesopelagic ocean based on the backscattering coefficient measured with Biogeochemicalâ€Argo floats. Geophysical Research Letters, 2017, 44, 6933-6939.	1.5	27
25	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
26	Water intrusions and particle signatures in the Black Sea: a Biogeochemical-Argo float investigation. Ocean Dynamics, 2017, 67, 1119-1136.	0.9	23
27	Hydrography and biogeochemistry dedicated to the Mediterranean BGC-Argo network during a cruise with RV <i>Tethys 2</i> in May 2015. Earth System Science Data, 2018, 10, 627-641.	3.7	18
28	Organic Carbon Export and Loss Rates in the Red Sea. Global Biogeochemical Cycles, 2020, 34, e2020GB006650.	1.9	17
29	Biogeochemical Argo: The Test Case of the NAOS Mediterranean Array. Frontiers in Marine Science, 2020, 7, .	1.2	16
30	Comparison of spectral radiance calibrations at oceanographic and atmospheric research laboratories. Metrologia, 2003, 40, S93-S96.	0.6	11
31	Preparing the New Phase of Argo: Scientific Achievements of the NAOS Project. Frontiers in Marine Science, 2020, 7, .	1.2	10
32	Preparing the New Phase of Argo: Technological Developments on Profiling Floats in the NAOS Project. Frontiers in Marine Science, 2020, 7, .	1.2	9
33	Enhancement of phytoplankton biomass leeward of Tahiti as observed by Biogeochemical-Argo floats. Journal of Marine Systems, 2020, 204, 103284.	0.9	5
34	BGCâ€Argo Floats Observe Nitrate Injection and Spring Phytoplankton Increase in the Surface Layer of Levantine Sea (Eastern Mediterranean). Geophysical Research Letters, 2021, 48, e2020GL091649.	1.5	5
35	The suspended small-particle layer in the oxygen-poor Black Sea: a proxy for delineating the effective N₂-yielding section. Biogeosciences, 2020, 17, 6491-6505.	1.3	5
36	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

#	Article	IF	Citations
37	Biological production in two contrasted regions of the Mediterranean Sea during the oligotrophic period: an estimate based on the diel cycle of optical properties measured by BioGeoChemical-Argo profiling floats. Biogeosciences, 2022, 19, 1165-1194.	1.3	4
38	<title>Measurements and computations of polarized marine reflectance</title>. , 2000, 4133, 191.		3
39	Challenges to identify phytoplankton species in coastal waters by remote sensing. , 2005, 5885, 235.		1
40	Evaluation of SIMBADA measurements of marine reflectance and aerosol optical thickness during ACE-Asia and AOPEX. Proceedings of SPIE, 2010, , .	0.8	0