

# Fabrizio D'Ortenzio

## List of Publications by Year in descending order

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73  
papers

4,545  
citations

87843

38  
h-index

110317

64  
g-index

76  
all docs

76  
docs citations

76  
times ranked

4075  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Biogeosciences</i> , 2022, 19, 1165-1194.	1.3	4
2	CDOM Spatiotemporal Variability in the Mediterranean Sea: A Modelling Study. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 176.	1.2	6
3	Deep Chlorophyll Maxima in the Global Ocean: Occurrences, Drivers and Characteristics. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006759.	1.9	69
4	BGC-Argo Floats Observe Nitrate Injection and Spring Phytoplankton Increase in the Surface Layer of Levantine Sea (Eastern Mediterranean). <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091649.	1.5	5
5	Seasonal and Interannual Variability of the CO <sub>2</sub> System in the Eastern Mediterranean Sea: A Case Study in the North Western Levantine Basin. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	9
6	Assessment of the spectral downward irradiance at the surface of the Mediterranean Sea using the radiative Ocean-Atmosphere Spectral Irradiance Model (OASIM). <i>Ocean Science</i> , 2021, 17, 675-697.	1.3	6
7	Correction of Biogeochemical-Argo Radiometry for Sensor Temperature-Dependence and Drift: Protocols for a Delayed-Mode Quality Control. <i>Sensors</i> , 2021, 21, 6217.	2.1	4
8	Radiative Transfer Modeling With Biogeochemical-Argo Float Data in the Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017690.	1.0	7
9	Arctic mid-winter phytoplankton growth revealed by autonomous profilers. <i>Science Advances</i> , 2020, 6, .	4.7	33
10	A Regional Neural Network Approach to Estimate Water-Column Nutrient Concentrations and Carbonate System Variables in the Mediterranean Sea: CANYON-MED. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	25
11	Abrupt warming and salinification of intermediate waters interplays with decline of deep convection in the Northwestern Mediterranean Sea. <i>Scientific Reports</i> , 2020, 10, 20923.	1.6	55
12	Preparing the New Phase of Argo: Scientific Achievements of the NAOS Project. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	10
13	Biogeochemical Argo: The Test Case of the NAOS Mediterranean Array. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	16
14	On the Future of Argo: A Global, Full-Depth, Multi-Disciplinary Array. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	235
15	Global Variability of Optical Backscattering by Non-algal particles From a Biogeochemical-Argo Data Set. <i>Geophysical Research Letters</i> , 2019, 46, 9767-9776.	1.5	41
16	Quantifying the Impact of Linear Regression Model in Deriving Bio-Optical Relationships: The Implications on Ocean Carbon Estimations. <i>Sensors</i> , 2019, 19, 3032.	2.1	16
17	Merging bio-optical data from Biogeochemical-Argo floats and models in marine biogeochemistry. <i>Biogeosciences</i> , 2019, 16, 2527-2542.	1.3	34
18	Challenges for Sustained Observing and Forecasting Systems in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	47

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19	Bio-optical characterization of subsurface chlorophyll maxima in the Mediterranean Sea from a Biogeochemical-Argo float database. <i>Biogeosciences</i> , 2019, 16, 1321-1342.	1.3	43
20	Discerning dominant temporal patterns of bio-optical properties in the northwestern Mediterranean Sea (BOUSSOLE site). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 148, 12-24.	0.6	2
21	Quantifying Observational Errors in Biogeochemical-Argo Oxygen, Nitrate, and Chlorophyll Concentrations. <i>Geophysical Research Letters</i> , 2019, 46, 4330-4337.	1.5	16
22	Towards operational 3D-Var assimilation of chlorophyll Biogeochemical-Argo float data into a biogeochemical model of the Mediterranean Sea. <i>Ocean Modelling</i> , 2019, 133, 112-128.	1.0	39
23	Vertical Mixing Effects on Phytoplankton Dynamics and Organic Carbon Export in the Western Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1647-1669.	1.0	34
24	Assessing the Variability in the Relationship Between the Particulate Backscattering Coefficient and the Chlorophyll Concentration From a Global Biogeochemical-Argo Database. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1229-1250.	1.0	55
25	Multiscale Observations of Deep Convection in the Northwestern Mediterranean Sea During Winter 2012-2013 Using Multiple Platforms. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1745-1776.	1.0	71
26	Regionalisation of the Mediterranean basin, a MERMEX synthesis. <i>Progress in Oceanography</i> , 2018, 163, 7-20.	1.5	65
27	Impact of decadal reversals of the north Ionian circulation on phytoplankton phenology. <i>Biogeosciences</i> , 2018, 15, 4431-4445.	1.3	18
28	ProVal: A New Autonomous Profiling Float for High Quality Radiometric Measurements. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	29
29	Preface to the Special Section: Dense Water Formations in the Northwestern Mediterranean: From the Physical Forcings to the Biogeochemical Consequences. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6983-6995.	1.0	6
30	Hydrography and biogeochemistry dedicated to the Mediterranean BGC-Argo network during a cruise with RV <i>Thetys 2</i> in May 2015. <i>Earth System Science Data</i> , 2018, 10, 627-641.	3.7	18
31	Physical and Biogeochemical Controls of the Phytoplankton Blooms in North Western Mediterranean Sea: A Multiplatform Approach Over a Complete Annual Cycle (2012-2013 DEWEX Experiment). <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9999-10019.	1.0	56
32	Delineating environmental control of phytoplankton biomass and phenology in the Southern Ocean. <i>Geophysical Research Letters</i> , 2017, 44, 5016-5024.	1.5	79
33	A submesoscale coherent vortex in the Ligurian Sea: From dynamical barriers to biological implications. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6196-6217.	1.0	39
34	Bio-optical anomalies in the world's oceans: An investigation on the diffuse attenuation coefficients for downward irradiance derived from Biogeochemical-Argo float measurements. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3543-3564.	1.0	44
35	Influence of the Phytoplankton Community Structure on the Spring and Annual Primary Production in the Northwestern Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9918-9936.	1.0	40
36	Recommendations for obtaining unbiased chlorophyll estimates from in situ chlorophyll fluorometers: A global analysis of WET Labs ECO sensors. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 572-585.	1.0	191

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37	Trophic pathways of phytoplankton size classes through the zooplankton food web over the spring transition period in the northwestern Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6309-6324.	1.0	24
38	Correction of profiles of in situ chlorophyll fluorometry for the contribution of fluorescence originating from nonalgal matter. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 80-93.	1.0	44
39	Nitrogen and Phosphorus Budgets in the Northwestern Mediterranean Deep Convection Region. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9429-9454.	1.0	18
40	Open-ocean convection process: A driver of the winter nutrient supply and the spring phytoplankton distribution in the northwestern Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4587-4601.	1.0	19
41	Two databases derived from BGC-Argo float measurements for marine biogeochemical and bio-optical applications. <i>Earth System Science Data</i> , 2017, 9, 861-880.	3.7	42
42	HyMeX-SOP2: The Field Campaign Dedicated to Dense Water Formation in the Northwestern Mediterranean. , 2016, 29, 196-206.		33
43	Interannual variability of the Mediterranean trophic regimes from ocean color satellites. <i>Biogeosciences</i> , 2016, 13, 1901-1917.	1.3	63
44	Scales and dynamics of submesoscale coherent vortices formed by deep convection in the northwestern Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7716-7742.	1.0	65
45	High resolution modeling of dense water formation in the northwestern Mediterranean during winter 2012-2013: Processes and budget. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5367-5392.	1.0	46
46	Observations of open-ocean deep convection in the northwestern Mediterranean Sea: Seasonal and interannual variability of mixing and deep water masses for the 2007-2013 Period. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8139-8171.	1.0	108
47	A Novel Near-Real-Time Quality-Control Procedure for Radiometric Profiles Measured by Bio-Argo Floats: Protocols and Performances. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 937-951.	0.5	57
48	Seasonal variability of nutrient concentrations in the Mediterranean Sea: Contribution of BioArgo floats. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 8528-8550.	1.0	59
49	Phytoplankton biomass cycles in the North Atlantic subpolar gyre: A similar mechanism for two different blooms in the Labrador Sea. <i>Geophysical Research Letters</i> , 2015, 42, 5403-5410.	1.5	37
50	On the vertical distribution of the chlorophyll <i>a</i> concentration in the Mediterranean Sea: a basin-scale and seasonal approach. <i>Biogeosciences</i> , 2015, 12, 5021-5039.	1.3	90
51	Spreading of Levantine Intermediate Waters by submesoscale coherent vortices in the northwestern Mediterranean Sea as observed with gliders. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1599-1622.	1.0	80
52	Observing mixed layer depth, nitrate and chlorophyll concentrations in the northwestern Mediterranean: A combined satellite and NO <sub>3</sub> profiling floats experiment. <i>Geophysical Research Letters</i> , 2014, 41, 6443-6451.	1.5	57
53	Understanding the seasonal dynamics of phytoplankton biomass and the deep chlorophyll maximum in oligotrophic environments: A BioArgo float investigation. <i>Global Biogeochemical Cycles</i> , 2014, 28, 856-876.	1.9	167
54	Interaction of dense shelf water cascading and open-sea convection in the northwestern Mediterranean during winter 2012. <i>Geophysical Research Letters</i> , 2013, 40, 1379-1385.	1.5	136

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55	Temporal variability of vertical export flux at the DYFAMED time-series station (Northwestern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.5	40
56	Enhancing the comprehension of mixed layer depth control on the Mediterranean phytoplankton phenology. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3416-3430.	1.0	65
57	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. <i>PLoS ONE</i> , 2013, 8, e67523.	1.1	58
58	Carbon fluxes in the mixed layer of the Mediterranean Sea in the 1980s and the 2000s. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 65, 73-84.	0.6	19
59	Estimates of phytoplankton class-specific and total primary production in the Mediterranean Sea from satellite ocean color observations. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	79
60	Phenological changes of oceanic phytoplankton in the 1980s and 2000s as revealed by remotely sensed ocean-color observations. <i>Global Biogeochemical Cycles</i> , 2012, 26, n/a-n/a.	1.9	29
61	Towards a merged satellite and in situ fluorescence ocean chlorophyll product. <i>Biogeosciences</i> , 2012, 9, 2111-2125.	1.3	37
62	Quenching correction for in vivo chlorophyll fluorescence acquired by autonomous platforms: A case study with instrumented elephant seals in the Kerguelen region (Southern Ocean). <i>Limnology and Oceanography: Methods</i> , 2012, 10, 483-495.	1.0	128
63	Combined processing and mutual interpretation of radiometry and fluorimetry from autonomous profiling Bio-Argo floats: Chlorophyll retrieval. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	85
64	From the shape of the vertical profile of in vivo fluorescence to Chlorophyll concentration. <i>Biogeosciences</i> , 2011, 8, 2391-2406.	1.3	58
65	On the trophic regimes of the Mediterranean Sea: a satellite analysis. <i>Biogeosciences</i> , 2009, 6, 139-148.	1.3	427
66	Assessment of uncertainty in the ocean reflectance determined by three satellite ocean color sensors (MERIS, SeaWiFS and MODIS-A) at an offshore site in the Mediterranean Sea (BOUSSOLE project). <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	185
67	Satellite-driven modeling of the upper ocean mixed layer and air-sea CO2 flux in the Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 405-434.	0.6	46
68	Submesoscale physical-biogeochemical coupling across the Ligurian current (northwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.6	101
69	The colour of the Mediterranean Sea: Global versus regional bio-optical algorithms evaluation and implication for satellite chlorophyll estimates. <i>Remote Sensing of Environment</i> , 2007, 107, 625-638.	4.6	210
70	Seasonal variability of the mixed layer depth in the Mediterranean Sea as derived from in situ profiles. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	170
71	Did biological activity in the Ionian Sea change after the Eastern Mediterranean Transient? Results from the analysis of remote sensing observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	46
72	Validation of empirical SeaWiFS algorithms for chlorophyll-a retrieval in the Mediterranean Sea. <i>Remote Sensing of Environment</i> , 2002, 82, 79-94.	4.6	106

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73	Validation of AVHRR Pathfinder SST's over the Mediterranean Sea. Geophysical Research Letters, 2000, 27, 241-244.	1.5	23