Adrian Martin

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2970873/publications.pdf Version: 2024-02-01



Δηριαν Μαρτιν

#	Article	IF	CITATIONS
1	Bringing physics to life at the submesoscale. Geophysical Research Letters, 2012, 39, .	4.0	327
2	The Biological Carbon Pump in the North Atlantic. Progress in Oceanography, 2014, 129, 200-218.	3.2	130
3	An Annual Cycle of Submesoscale Vertical Flow and Restratification in the Upper Ocean. Journal of Physical Oceanography, 2019, 49, 1439-1461.	1.7	97
4	Mind the gap: The impact of missing data on the calculation of phytoplankton phenology metrics. Journal of Geophysical Research, 2012, 117, .	3.3	79
5	Detection of climate changeâ€driven trends in phytoplankton phenology. Global Change Biology, 2018, 24, e101-e111.	9.5	70
6	Quantifying carbon fluxes from primary production to mesopelagic fish using a simple food web model. ICES Journal of Marine Science, 2019, 76, 690-701.	2.5	66
7	Estimating Oceanic Primary Production Using Vertical Irradiance and Chlorophyll Profiles from Ocean Gliders in the North Atlantic. Environmental Science & Technology, 2015, 49, 11612-11621.	10.0	46
8	Big in the benthos: Future change of seafloor community biomass in a global, body sizeâ€resolved model. Global Change Biology, 2017, 23, 3554-3566.	9.5	43
9	High export via small particles before the onset of the <scp>N</scp> orth <scp>A</scp> tlantic spring bloom. Journal of Geophysical Research: Oceans, 2016, 121, 6929-6945.	2.6	41
10	On the proportion of ballast versus nonâ€ballast associated carbon export in the surface ocean. Geophysical Research Letters, 2012, 39, .	4.0	39
11	Particle flux in the oceans: Challenging the steady state assumption. Global Biogeochemical Cycles, 2017, 31, 159-171.	4.9	39
12	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. Frontiers in Marine Science, 2016, 3, .	2.5	35
13	Extreme spatial variability in marine picoplankton and its consequences for interpreting Eulerian time-series. Biology Letters, 2005, 1, 366-369.	2.3	34
14	Ocean nutrient pathways associated with the passage of a storm. Global Biogeochemical Cycles, 2015, 29, 1179-1189.	4.9	34
15	Windâ€Forced Symmetric Instability at a Transient Midâ€Ocean Front. Geophysical Research Letters, 2019, 46, 11281-11291.	4.0	29
16	Landscape controls on riverine export of dissolved organic carbon from Great Britain. Biogeochemistry, 2023, 164, 163-184.	3.5	26
17	New primary production and nitrification in the western subtropical North Atlantic: A modeling study. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	24
18	A Novel Integration of an Ultraviolet Nitrate Sensor On Board a Towed Vehicle for Mapping Open-Ocean Submesoscale Nitrate Variability. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1410-1416.	1.3	23

Adrian Martin

#	Article	IF	CITATIONS
19	Elemental composition of natural populations of key microbial groups in <scp>A</scp> tlantic waters. Environmental Microbiology, 2013, 15, 3054-3064.	3.8	22
20	Testing Munk's hypothesis for submesoscale eddy generation using observations in the North Atlantic. Journal of Geophysical Research: Oceans, 2017, 122, 6725-6745.	2.6	22
21	Annual Cycle of Turbulent Dissipation Estimated from Seagliders. Geophysical Research Letters, 2018, 45, 10,560.	4.0	18
22	A new observationally motivated Richardson number based mixing parametrization for oceanic mesoscale flow. Journal of Geophysical Research: Oceans, 2013, 118, 1405-1419.	2.6	17
23	Dominant oceanic bacteria secure phosphate using a large extracellular buffer. Nature Communications, 2015, 6, 7878.	12.8	17
24	Data compilation of fluxes of sedimenting material from sediment traps in the Atlantic Ocean. Earth System Science Data, 2014, 6, 123-145.	9.9	15
25	Biological Carbon Pump Sequestration Efficiency in the North Atlantic: A Leaky or a Longâ€Term Sink?. Global Biogeochemical Cycles, 2022, 36, .	4.9	14
26	Seasonality, phytoplankton succession and the biogeochemical impacts of an autumn storm in the northeast Atlantic Ocean. Progress in Oceanography, 2016, 142, 72-104.	3.2	13
27	The Seasonal Smorgasbord of the Seas. Science, 2012, 337, 46-47.	12.6	12
28	An observational assessment of the influence of mesoscale and submesoscale heterogeneity on ocean biogeochemical reactions. Global Biogeochemical Cycles, 2015, 29, 1421-1438.	4.9	12
29	Plankton patchiness investigated using simultaneous nitrate and chlorophyll observations. Journal of Geophysical Research: Oceans, 2016, 121, 4149-4156.	2.6	12
30	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Humanâ€Impacted Landscapes. Global Biogeochemical Cycles, 2021, 35, e2021GB007023.	4.9	12
31	Future intensification of extreme Aleutian low events and their climate impacts. Scientific Reports, 2021, 11, 18395.	3.3	11
32	Signatures of the 1976–1977 Regime Shift in the North Pacific Revealed by Statistical Analysis. Journal of Geophysical Research: Oceans, 2018, 123, 4388-4397.	2.6	9
33	Characterizing horizontal variability and energy spectra in the <scp>A</scp> rctic <scp>O</scp> cean halocline. Journal of Geophysical Research: Oceans, 2015, 120, 436-450.	2.6	6
34	Quantifying mesoscaleâ€driven nitrate supply: A case study. Global Biogeochemical Cycles, 2016, 30, 1206-1223.	4.9	6
35	Modelling dinoflagellates as an approach to the seasonal forecasting of bioluminescence in the North Atlantic. Journal of Marine Systems, 2014, 139, 261-275.	2.1	5
36	Influence of Seasonal Variability in Flux Attenuation on Global Organic Carbon Fluxes and Nutrient Distributions. Global Biogeochemical Cycles, 2022, 36, .	4.9	5