

# Adrian Martin

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,410  
citations

394421

19  
h-index

345221

36  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Landscape controls on riverine export of dissolved organic carbon from Great Britain. <i>Biogeochemistry</i> , 2023, 164, 163-184.	3.5	26
2	Influence of Seasonal Variability in Flux Attenuation on Global Organic Carbon Fluxes and Nutrient Distributions. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	5
3	Biological Carbon Pump Sequestration Efficiency in the North Atlantic: A Leaky or a Longâ€Term Sink?. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	14
4	Future intensification of extreme Aleutian low events and their climate impacts. <i>Scientific Reports</i> , 2021, 11, 18395.	3.3	11
5	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Humanâ€Impacted Landscapes. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007023.	4.9	12
6	Quantifying carbon fluxes from primary production to mesopelagic fish using a simple food web model. <i>ICES Journal of Marine Science</i> , 2019, 76, 690-701.	2.5	66
7	Windâ€Forced Symmetric Instability at a Transient Midâ€Ocean Front. <i>Geophysical Research Letters</i> , 2019, 46, 11281-11291.	4.0	29
8	An Annual Cycle of Submesoscale Vertical Flow and Restratification in the Upper Ocean. <i>Journal of Physical Oceanography</i> , 2019, 49, 1439-1461.	1.7	97
9	Detection of climate changeâ€driven trends in phytoplankton phenology. <i>Global Change Biology</i> , 2018, 24, e101-e111.	9.5	70
10	Annual Cycle of Turbulent Dissipation Estimated from Seagliders. <i>Geophysical Research Letters</i> , 2018, 45, 10,560.	4.0	18
11	Signatures of the 1976â€1977 Regime Shift in the North Pacific Revealed by Statistical Analysis. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4388-4397.	2.6	9
12	Particle flux in the oceans: Challenging the steady state assumption. <i>Global Biogeochemical Cycles</i> , 2017, 31, 159-171.	4.9	39
13	Big in the benthos: Future change of seafloor community biomass in a global, body sizeâ€resolved model. <i>Global Change Biology</i> , 2017, 23, 3554-3566.	9.5	43
14	Testing Munk's hypothesis for submesoscale eddy generation using observations in the North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6725-6745.	2.6	22
15	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	35
16	Plankton patchiness investigated using simultaneous nitrate and chlorophyll observations. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4149-4156.	2.6	12
17	Quantifying mesoscaleâ€driven nitrate supply: A case study. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1206-1223.	4.9	6
18	High export via small particles before the onset of the <sc>N</sc> orth <sc>A</sc>tlantic spring bloom. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6929-6945.	2.6	41

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19	Seasonality, phytoplankton succession and the biogeochemical impacts of an autumn storm in the northeast Atlantic Ocean. <i>Progress in Oceanography</i> , 2016, 142, 72-104.	3.2	13
20	Estimating Oceanic Primary Production Using Vertical Irradiance and Chlorophyll Profiles from Ocean Gliders in the North Atlantic. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11612-11621.	10.0	46
21	An observational assessment of the influence of mesoscale and submesoscale heterogeneity on ocean biogeochemical reactions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1421-1438.	4.9	12
22	Characterizing horizontal variability and energy spectra in the <scp>A</scp>rctic <scp>O</scp>cean halocline. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 436-450.	2.6	6
23	Dominant oceanic bacteria secure phosphate using a large extracellular buffer. <i>Nature Communications</i> , 2015, 6, 7878.	12.8	17
24	Ocean nutrient pathways associated with the passage of a storm. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1179-1189.	4.9	34
25	The Biological Carbon Pump in the North Atlantic. <i>Progress in Oceanography</i> , 2014, 129, 200-218.	3.2	130
26	Modelling dinoflagellates as an approach to the seasonal forecasting of bioluminescence in the North Atlantic. <i>Journal of Marine Systems</i> , 2014, 139, 261-275.	2.1	5
27	Data compilation of fluxes of sedimenting material from sediment traps in the Atlantic Ocean. <i>Earth System Science Data</i> , 2014, 6, 123-145.	9.9	15
28	Elemental composition of natural populations of key microbial groups in <scp>A</scp>tlantic waters. <i>Environmental Microbiology</i> , 2013, 15, 3054-3064.	3.8	22
29	A new observationally motivated Richardson number based mixing parametrization for oceanic mesoscale flow. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1405-1419.	2.6	17
30	Bringing physics to life at the submesoscale. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	327
31	The Seasonal Smorgasbord of the Seas. <i>Science</i> , 2012, 337, 46-47.	12.6	12
32	On the proportion of ballast versus nonâ€ballast associated carbon export in the surface ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	39
33	Mind the gap: The impact of missing data on the calculation of phytoplankton phenology metrics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	79
34	A Novel Integration of an Ultraviolet Nitrate Sensor On Board a Towed Vehicle for Mapping Open-Ocean Submesoscale Nitrate Variability. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1410-1416.	1.3	23
35	New primary production and nitrification in the western subtropical North Atlantic: A modeling study. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	24
36	Extreme spatial variability in marine picoplankton and its consequences for interpreting Eulerian time-series. <i>Biology Letters</i> , 2005, 1, 366-369.	2.3	34