

Adrian Martin

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,410
citations

393982

19
h-index

344852

36
g-index

36
all docs

36
docs citations

36
times ranked

2299
citing authors

#	ARTICLE	IF	CITATIONS
1	Bringing physics to life at the submesoscale. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	327
2	The Biological Carbon Pump in the North Atlantic. <i>Progress in Oceanography</i> , 2014, 129, 200-218.	1.5	130
3	An Annual Cycle of Submesoscale Vertical Flow and Restratification in the Upper Ocean. <i>Journal of Physical Oceanography</i> , 2019, 49, 1439-1461.	0.7	97
4	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
5	Detection of climate changeâ€driven trends in phytoplankton phenology. <i>Global Change Biology</i> , 2018, 24, e101-e111.	4.2	70
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.	1.2	66
7	Estimating Oceanic Primary Production Using Vertical Irradiance and Chlorophyll Profiles from Ocean Gliders in the North Atlantic. <i>Environmental Science & Technology</i> , 2015, 49, 11612-11621.	4.6	46
8	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.	4.2	43
9	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.	1.0	41
10	On the proportion of ballast versus nonâ€ballast associated carbon export in the surface ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	39
11	Particle flux in the oceans: Challenging the steady state assumption. <i>Global Biogeochemical Cycles</i> , 2017, 31, 159-171.	1.9	39
12	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	35
13	Extreme spatial variability in marine picoplankton and its consequences for interpreting Eulerian time-series. <i>Biology Letters</i> , 2005, 1, 366-369.	1.0	34
14	Ocean nutrient pathways associated with the passage of a storm. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1179-1189.	1.9	34
15	Windâ€Forced Symmetric Instability at a Transient Midâ€Ocean Front. <i>Geophysical Research Letters</i> , 2019, 46, 11281-11291.	1.5	29
16	Landscape controls on riverine export of dissolved organic carbon from Great Britain. <i>Biogeochemistry</i> , 2023, 164, 163-184.	1.7	26
17	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.	1.9	24
18	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.	0.5	23

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19	Elemental composition of natural populations of key microbial groups in Atlantic waters. <i>Environmental Microbiology</i> , 2013, 15, 3054-3064.	1.8	22
20	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.	1.0	22
21	Annual Cycle of Turbulent Dissipation Estimated from Seagliders. <i>Geophysical Research Letters</i> , 2018, 45, 10,560.	1.5	18
22	A new observationally motivated Richardson number based mixing parametrization for oceanic mesoscale flow. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1405-1419.	1.0	17
23	Dominant oceanic bacteria secure phosphate using a large extracellular buffer. <i>Nature Communications</i> , 2015, 6, 7878.	5.8	17
24	Data compilation of fluxes of sedimenting material from sediment traps in the Atlantic Ocean. <i>Earth System Science Data</i> , 2014, 6, 123-145.	3.7	15
25	Biological Carbon Pump Sequestration Efficiency in the North Atlantic: A Leaky or a Long-Term Sink?. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	14
26	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.	1.5	13
27	The Seasonal Smorgasbord of the Seas. <i>Science</i> , 2012, 337, 46-47.	6.0	12
28	An observational assessment of the influence of mesoscale and submesoscale heterogeneity on ocean biogeochemical reactions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1421-1438.	1.9	12
29	Plankton patchiness investigated using simultaneous nitrate and chlorophyll observations. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4149-4156.	1.0	12
30	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Human-Impacted Landscapes. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007023.	1.9	12
31	Future intensification of extreme Aleutian low events and their climate impacts. <i>Scientific Reports</i> , 2021, 11, 18395.	1.6	11
32	Signatures of the 1976-1977 Regime Shift in the North Pacific Revealed by Statistical Analysis. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4388-4397.	1.0	9
33	Characterizing horizontal variability and energy spectra in the Arctic Ocean halocline. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 436-450.	1.0	6
34	Quantifying mesoscale-driven nitrate supply: A case study. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1206-1223.	1.9	6
35	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.	0.9	5
36	Influence of Seasonal Variability in Flux Attenuation on Global Organic Carbon Fluxes and Nutrient Distributions. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	5