SinhuÃ© Torres-ValdÃ©s

List of Publications by Year
in descending order

39 papers	1,481 citations	361413 20 h-index	330143 37 g-index
44 all docs	44 docs citations	44 times ranked	2307 citing authors

#	Article	IF	Citations
1	Overview of the MOSAiC expedition: Physical oceanography. Elementa, 2022, 10, .	3.2	54
2	Increasing Nutrient Fluxes and Mixing Regime Changes in the Eastern Arctic Ocean. Geophysical Research Letters, 2022, 49, .	4.0	6
3	A warm jet in a cold ocean. Nature Communications, 2021, 12, 2418.	12.8	20
4	Counteracting Contributions of the Upper and Lower Meridional Overturning Limbs to the North Atlantic Nutrient Budgets: Enhanced Imbalance in 2010. Global Biogeochemical Cycles, 2021, 35, e2020GB006898.	4.9	4
5	Summertime Amino Acid and Carbohydrate Patterns in Particulate and Dissolved Organic Carbon Across Fram Strait. Frontiers in Marine Science, 2021, 8, .	2.5	3
6	Substantial Sub-Surface Chlorophyll Patch Sustained by Vertical Nutrient Fluxes in Fram Strait Observed With an Autonomous Underwater Vehicle. Frontiers in Marine Science, 2021, 8, .	2.5	3
7	Sea-ice derived meltwater stratification slows the biological carbon pump: results from continuous observations. Nature Communications, 2021, 12, 7309.	12.8	31
8	The polar night shift: seasonal dynamics and drivers of Arctic Ocean microbiomes revealed by autonomous sampling. ISME Communications, 2021, 1, .	4.2	27
9	Impact of physical and biological processes on temporal variations of the ocean carbon sink in the mid-latitude North Atlantic (2002â€“2016). Progress in Oceanography, 2020, 180, 102223.	3.2	25
10	Temporal Variability in the Nutrient Biogeochemistry of the Surface North Atlantic: 15 Years of Ship of Opportunity Data. Global Biogeochemical Cycles, 2019, 33, 1674-1692.	4.9	6
11	Arctic freshwater fluxes: sources, tracer budgets and inconsistencies. Cryosphere, 2019, 13, 2111-2131.	3.9	7
12	Reframing the carbon cycle of the subpolar Southern Ocean. Science Advances, 2019, 5, eaav6410.	10.3	25
13	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
14	Sources and Distribution of Fresh Water Around Cape Farewell in 2014. Journal of Geophysical Research: Oceans, 2019, 124, 9404-9416.	2.6	5
15	Addressing Arctic Challenges Requires a Synoptic Ocean Survey. Eos, 2019, 100, .	0.1	6
16	Composition of freshwater in the spring of 2014 on the southern Labrador shelf and slope. Journal of Geophysical Research: Oceans, 2017, 122, 1102-1121.	2.6	13
17	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. Frontiers in Marine Science, 2016, 3, .	2.5	35
18	Relevance of dissolved organic nutrients for the Arctic Ocean nutrient budget. Geophysical Research Letters, 2016, 43, 6418-6426.	4.0	13

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19	Estimating the recharge properties of the deep ocean using noble gases and helium isotopes. Journal of Geophysical Research: Oceans, 2016, 121, 5959-5979.	2.6	21
20	Carbon dynamics of the Weddell Gyre, Southern Ocean. Global Biogeochemical Cycles, 2015, 29, 288-306.	4.9	24
21	Halocline water modification and along-slope advection at the Laptev Sea continental margin. Ocean Science, 2014, 10, 141-154.	3.4	35
22	The Arctic Ocean carbon sink. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 86, 39-55.	1.4	60
23	The contribution of the Weddell Gyre to the lower limb of the Global Overturning Circulation. Journal of Geophysical Research: Oceans, 2014, 119, 3357-3377.	2.6	61
24	Freshwater fluxes in the Weddell Gyre: results from Î´ ¹⁸ O. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130298.	3.4	12
25	Picoeukaryote distribution in relation to nitrate uptake in the oceanic nitracline. Aquatic Microbial Ecology, 2014, 72, 195-213.	1.8	21
26	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
27	Export of nutrients from the Arctic Ocean. Journal of Geophysical Research: Oceans, 2013, 118, 1625-1644.	2.6	130
28	Evaluating the balance between vertical diffusive nitrate supply and nitrogen fixation with reference to nitrate uptake in the eastern subtropical North Atlantic Ocean. Journal of Geophysical Research: Oceans, 2013, 118, 5732-5749.	2.6	20
29	Nutrient streams in the North Atlantic: Advective pathways of inorganic and dissolved organic nutrients. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	57
30	Properties of the Atlantic derived halocline waters over the Laptev Sea continental margin: Evidence from 2002 to 2009. Journal of Geophysical Research, 2011, 116, .	3.3	23
31	Origin of freshwater and polynya water in the Arctic Ocean halocline in summer 2007. Progress in Oceanography, 2011, 91, 482-495.	3.2	87
32	Circulation, Heat, and Freshwater Transport at 36Â°N in the Atlantic. Journal of Physical Oceanography, 2010, 40, 2661-2678.	1.7	24
33	Vertical mixing at intermediate depths in the Arctic boundary current. Geophysical Research Letters, 2009, 36, .	4.0	66
34	Distribution of dissolved organic nutrients and their effect on export production over the Atlantic Ocean. Global Biogeochemical Cycles, 2009, 23, .	4.9	88
35	Tracerâ€derived freshwater composition of the Siberian continental shelf and slope following the extreme Arctic summer of 2007. Geophysical Research Letters, 2009, 36, .	4.0	42
36	Phosphorus cycling in the North and South Atlantic Ocean subtropical gyres. Nature Geoscience, 2008, 1, 439-443.	12.9	212

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37	Urea distribution and uptake in the Atlantic Ocean between 50Â°N and 50Â°S. Marine Ecology - Progress Series, 2008, 368, 53-63.	1.9	22
38	Nitrogen removal by phytoplankton uptake through a temperate non-turbid estuary. Estuarine, Coastal and Shelf Science, 2006, 70, 473-486.	2.1	18
39	Cadmium enrichment in the Gulf of California. Marine Chemistry, 2001, 75, 109-122.	2.3	49