

SinhuÃ© Torres-ValdÃ©s

List of Publications by Year in descending order

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Version: 2024-02-01

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	Phosphorus cycling in the North and South Atlantic Ocean subtropical gyres. <i>Nature Geoscience</i> , 2008, 1, 439-443.	12.9	212
2	Export of nutrients from the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1625-1644.	2.6	130
3	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. <i>Reviews of Geophysics</i> , 2019, 57, 623-708.	23.0	105
4	Distribution of dissolved organic nutrients and their effect on export production over the Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	88
5	Origin of freshwater and polynya water in the Arctic Ocean halocline in summer 2007. <i>Progress in Oceanography</i> , 2011, 91, 482-495.	3.2	87
6	Vertical mixing at intermediate depths in the Arctic boundary current. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	66
7	The contribution of the Weddell Gyre to the lower limb of the Global Overturning Circulation. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3357-3377.	2.6	61
8	The Arctic Ocean carbon sink. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 86, 39-55.	1.4	60
9	Nutrient streams in the North Atlantic: Advective pathways of inorganic and dissolved organic nutrients. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	57
10	Overview of the MOSAiC expedition: Physical oceanography. <i>Elementa</i> , 2022, 10, .	3.2	54
11	Cadmium enrichment in the Gulf of California. <i>Marine Chemistry</i> , 2001, 75, 109-122.	2.3	49
12	Tracer-derived freshwater composition of the Siberian continental shelf and slope following the extreme Arctic summer of 2007. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	42
13	Halocline water modification and along-slope advection at the Laptev Sea continental margin. <i>Ocean Science</i> , 2014, 10, 141-154.	3.4	35
14	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	35
15	Sea-ice derived meltwater stratification slows the biological carbon pump: results from continuous observations. <i>Nature Communications</i> , 2021, 12, 7309.	12.8	31
16	The polar night shift: seasonal dynamics and drivers of Arctic Ocean microbiomes revealed by autonomous sampling. <i>ISME Communications</i> , 2021, 1, .	4.2	27
17	Reframing the carbon cycle of the subpolar Southern Ocean. <i>Science Advances</i> , 2019, 5, eaav6410.	10.3	25
18	Impact of physical and biological processes on temporal variations of the ocean carbon sink in the mid-latitude North Atlantic (2002–2016). <i>Progress in Oceanography</i> , 2020, 180, 102223.	3.2	25

#	ARTICLE	IF	CITATIONS
19	Circulation, Heat, and Freshwater Transport at 36°N in the Atlantic. <i>Journal of Physical Oceanography</i> , 2010, 40, 2661-2678.	1.7	24
20	Carbon dynamics of the Weddell Gyre, Southern Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 288-306.	4.9	24
21	Properties of the Atlantic derived halocline waters over the Laptev Sea continental margin: Evidence from 2002 to 2009. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	23
22	Urea distribution and uptake in the Atlantic Ocean between 50°N and 50°S. <i>Marine Ecology - Progress Series</i> , 2008, 368, 53-63.	1.9	22
23	Estimating the recharge properties of the deep ocean using noble gases and helium isotopes. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5959-5979.	2.6	21
24	Picoeukaryote distribution in relation to nitrate uptake in the oceanic nitracline. <i>Aquatic Microbial Ecology</i> , 2014, 72, 195-213.	1.8	21
25	Evaluating the balance between vertical diffusive nitrate supply and nitrogen fixation with reference to nitrate uptake in the eastern subtropical North Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5732-5749.	2.6	20
26	A warm jet in a cold ocean. <i>Nature Communications</i> , 2021, 12, 2418.	12.8	20
27	Nitrogen removal by phytoplankton uptake through a temperate non-turbid estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 473-486.	2.1	18
28	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
29	Relevance of dissolved organic nutrients for the Arctic Ocean nutrient budget. <i>Geophysical Research Letters</i> , 2016, 43, 6418-6426.	4.0	13
30	Composition of freshwater in the spring of 2014 on the southern Labrador shelf and slope. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1102-1121.	2.6	13
31	Freshwater fluxes in the Weddell Gyre: results from <i>ICES</i> ¹⁸ O. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130298.	3.4	12
32	Arctic freshwater fluxes: sources, tracer budgets and inconsistencies. <i>Cryosphere</i> , 2019, 13, 2111-2131.	3.9	7
33	Temporal Variability in the Nutrient Biogeochemistry of the Surface North Atlantic: 15 Years of Ship of Opportunity Data. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1674-1692.	4.9	6
34	Addressing Arctic Challenges Requires a Synoptic Ocean Survey. <i>Eos</i> , 2019, 100, .	0.1	6
35	Increasing Nutrient Fluxes and Mixing Regime Changes in the Eastern Arctic Ocean. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
36	Sources and Distribution of Fresh Water Around Cape Farewell in 2014. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9404-9416.	2.6	5

#	ARTICLE	IF	CITATIONS
37	Counteracting Contributions of the Upper and Lower Meridional Overturning Limbs to the North Atlantic Nutrient Budgets: Enhanced Imbalance in 2010. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006898.	4.9	4
38	Summertime Amino Acid and Carbohydrate Patterns in Particulate and Dissolved Organic Carbon Across Fram Strait. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
39	Substantial Sub-Surface Chlorophyll Patch Sustained by Vertical Nutrient Fluxes in Fram Strait Observed With an Autonomous Underwater Vehicle. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3