

Catherine Lalande

List of Publications by Year in descending order

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31
papers

1,504
citations

394421

19
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1471
citing authors

#	ARTICLE	IF	CITATIONS
1	Export of Algal Biomass from the Melting Arctic Sea Ice. <i>Science</i> , 2013, 339, 1430-1432.	12.6	383
2	Natural variability or anthropogenically-induced variation? Insights from 15 years of multidisciplinary observations at the arctic marine LTER site HAUSGARTEN. <i>Ecological Indicators</i> , 2016, 65, 89-102.	6.3	129
3	Summertime plankton ecology in Fram Strait—a compilation of long- and short-term observations. <i>Polar Research</i> , 2015, 34, 233-49.	1.6	122
4	Impact of a warm anomaly on export fluxes of biogenic matter in the eastern Fram Strait. <i>Progress in Oceanography</i> , 2013, 109, 70-77.	3.2	78
5	Variability in under-ice export fluxes of biogenic matter in the Arctic Ocean. <i>Global Biogeochemical Cycles</i> , 2014, 28, 571-583.	4.9	75
6	Variability in the annual cycle of vertical particulate organic carbon export on Arctic shelves: Contrasting the Laptev Sea, Northern Baffin Bay and the Beaufort Sea. <i>Continental Shelf Research</i> , 2009, 29, 2157-2165.	1.8	66
7	Export fluxes of biogenic matter in the presence and absence of seasonal sea ice cover in the Chukchi Sea. <i>Continental Shelf Research</i> , 2007, 27, 2051-2065.	1.8	61
8	Impact of a decreasing sea ice cover on the vertical export of particulate organic carbon in the northern Laptev Sea, Siberian Arctic Ocean. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	51
9	Algal Export in the Arctic Ocean in Times of Global Warming. <i>Geophysical Research Letters</i> , 2019, 46, 5959-5967.	4.0	51
10	Three-year assessment of particulate organic carbon fluxes in Amundsen Gulf (Beaufort Sea): Satellite observations and sediment trap measurements. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 125-142.	1.4	50
11	Lateral supply and downward export of particulate matter from upper waters to the seafloor in the deep eastern Fram Strait. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 114, 78-89.	1.4	41
12	Spatial and temporal variability in export fluxes of biogenic matter in Kongsfjorden. <i>Polar Biology</i> , 2016, 39, 1725-1738.	1.2	39
13	Export fluxes of particulate organic carbon in the Chukchi Sea: A comparative study using ²³⁴ Th/ ²³⁸ U disequilibria and drifting sediment traps. <i>Marine Chemistry</i> , 2007, 103, 185-196.	2.3	36
14	Mismatch between microalgae and herbivorous copepods due to the record sea ice minimum extent of 2012 and the late sea ice break-up of 2013 in the Beaufort Sea. <i>Progress in Oceanography</i> , 2019, 173, 66-77.	3.2	33
15	Annual cycle of export fluxes of biogenic matter near Hanna Shoal in the northeast Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 177, 104730.	1.4	33
16	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. <i>Earth System Science Data</i> , 2020, 12, 151-176.	9.9	32
17	²³⁴ Th-derived particulate organic carbon fluxes in the northern Barents Sea with comparison to drifting sediment trap fluxes. <i>Journal of Marine Systems</i> , 2008, 73, 103-113.	2.1	31
18	Seasonal and latitudinal variations in sea ice algae deposition in the Northern Bering and Chukchi Seas determined by algal biomarkers. <i>PLoS ONE</i> , 2020, 15, e0231178.	2.5	27

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19	Summertime Chlorophyll a and Particulate Organic Carbon Standing Stocks in Surface Waters of the Fram Strait and the Arctic Ocean (1991–2015). <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	26
20	Seasonal and decadal shifts in particulate organic matter processing and sedimentation in the Bering Strait Shelf region. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1316-1325.	1.4	25
21	Annual cycle of downward particle fluxes on each side of the Gakkel Ridge in the central Arctic Ocean. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190368.	3.4	16
22	Downward particulate organic carbon export and jellyfish blooms in southeastern Hudson Bay. <i>Journal of Marine Systems</i> , 2011, 88, 446-450.	2.1	15
23	From sea ice to seals: a moored marine ecosystem observatory in the Arctic. <i>Ocean Science</i> , 2018, 14, 1423-1433.	3.4	15
24	Early snowmelt and sea ice breakup enhance algal export in the Beaufort Sea. <i>Progress in Oceanography</i> , 2021, 190, 102479.	3.2	14
25	Seasonal variations in downward particle fluxes in Norwegian fjords. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 241, 106811.	2.1	12
26	Impact of a warm anomaly in the Pacific Arctic region derived from time-series export fluxes. <i>PLoS ONE</i> , 2021, 16, e0255837.	2.5	10
27	Use of palmitoleic acid and its oxidation products for monitoring the degradation of ice algae in Arctic waters and bottom sediments. <i>Organic Geochemistry</i> , 2018, 124, 88-102.	1.8	9
28	Extraordinary Carbon Fluxes on the Shallow Pacific Arctic Shelf During a Remarkably Warm and Low Sea Ice Period. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
29	Seasonal and interannual variability of the Queen Maud Gulf ecosystem derived from sediment trap measurements. <i>Limnology and Oceanography</i> , 2021, 66, S411.	3.1	7
30	Carbon biomass, elemental ratios (C:N) and stable isotopic composition ($\delta^{13}C$, $\delta^{15}N$) of dominant calanoid copepods during the winter-to-summer transition in the Amundsen Gulf (Arctic Ocean). <i>Journal of Plankton Research</i> , 2011, 33, 547-547.	1.8	4
31	Annual cycle of biogenic carbon export in the Gulf of St. Lawrence. <i>Continental Shelf Research</i> , 2021, 221, 104418.	1.8	4