Matthew Alkire

List of Publications by Year
in descending order

24	1,394	567144 15	610775 24
papers	citations	h-index	g-index

28	28	28	2118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Greater role for Atlantic inflows on sea-ice loss in the Eurasian Basin of the Arctic Ocean. Science, 2017, 356, 285-291.	6.0	576
2	Borealization of the Arctic Ocean in Response to Anomalous Advection From Sub-Arctic Seas. Frontiers in Marine Science, 2020, 7, .	1.2	174
3	Estimates of net community production and export using high-resolution, Lagrangian measurements of O2, NO3â^', and POC through the evolution of a spring diatom bloom in the North Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 64, 157-174.	0.6	93
4	Pan-Arctic Ocean Primary Production Constrained by Turbulent Nitrate Fluxes. Frontiers in Marine Science, 2020, 7, .	1.2	82
5	Weakening of Cold Halocline Layer Exposes Sea Ice to Oceanic Heat in the Eastern Arctic Ocean. Journal of Climate, 2020, 33, 8107-8123.	1.2	82
6	The return of Pacific waters to the upper layers of the central Arctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1509-1529.	0.6	42
7	Tracerâ€derived freshwater composition of the Siberian continental shelf and slope following the extreme Arctic summer of 2007. Geophysical Research Letters, 2009, 36, .	1.5	42
8	Net community production and export from <scp>S</scp>eaglider measurements in the <scp>N</scp>orth <scp>A</scp>tlantic after the spring bloom. Journal of Geophysical Research: Oceans, 2014, 119, 6121-6139.	1.0	37
9	Variability in the meteoric water, seaâ€ice melt, and <scp>P</scp>acific water contributions to the central <scp>A</scp>rctic <scp>O</scp>cean, 2000â€“2014. Journal of Geophysical Research: Oceans, 2015, 120, 1573-1598.	1.0	37
10	Sensor-based profiles of the NO parameter in the central Arctic and southern Canada Basin: New insights regarding the cold halocline. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1432-1443.	0.6	35
11	Discrepancy in the Identification of the Atlantic/Pacific Front in the Central Arctic Ocean: NO Versus Nutrient Relationships. Geophysical Research Letters, 2019, 46, 3843-3852.	1.5	35
12	On the geochemical heterogeneity of rivers draining into the straits and channels of the Canadian Arctic Archipelago. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2527-2547.	1.3	23
13	Heat, salt, and volume transports in the eastern Eurasian Basin of the Arctic Ocean from 2Âyears of mooring observations. Ocean Science, 2018, 14, 1349-1371.	1.3	22
14	On the Seasonal Cycles Observed at the Continental Slope of the Eastern Eurasian Basin of the Arctic Ocean. Journal of Physical Oceanography, 2018, 48, 1451-1470.	0.7	19
15	Sea ice melt and meteoric water distributions in Nares Strait, Baffin Bay, and the Canadian Arctic Archipelago. Journal of Marine Research, 2010, 68, 767-798.	0.3	18
16	Transport of spring floodwater from rivers under ice to the Alaskan Beaufort Sea. Journal of Geophysical Research, 2006, 111, .	3.3	15
17	A Meteoric Water Budget for the Arctic Ocean. Journal of Geophysical Research: Oceans, 2017, 122, 10020-10041.	1.0	15
18	On the waters upstream of Nares Strait, Arctic Ocean, from 1991 to 2012. Continental Shelf Research, 2014, 73, 83-96.	0.9	14

#	Article	IF	Citations
19	Tracing sources of freshwater contributions to first-year sea ice in Svalbard fjords. Continental Shelf Research, 2015, 101, 85-97.	0.9	10
20	Combining physical and geochemical methods to investigate lower halocline water formation and modification along the Siberian continental slope. Ocean Science, 2017, 13, 983-995.	1.3	10
21	Increasing Nutrient Fluxes and Mixing Regime Changes in the Eastern Arctic Ocean. Geophysical Research Letters, 2022, 49, .	1.5	6
22	Assessing the Contributions of Atmospheric/Meteoric Water and Sea Ice Meltwater and Their Influences on Geochemical Properties in Estuaries of the Canadian Arctic Archipelago. Estuaries and Coasts, 2019, 42, 1226-1248.	1.0	2
23	The North Pole Region as an Indicator of the Changing Arctic Ocean: The Need for Sustaining Observations. Arctic, 2018, 71, .	0.2	2
24	The Pacific-Atlantic Front in the East Siberian Sea of the Arctic Ocean. Handbook of Environmental Chemistry, 2021, , 1.	0.2	1