

# Lisa A Miller

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,088  
citations

516710

16  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1569  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Future? Big Questions about Feedbacks between Anthropogenic Change in the Cryosphere and Atmospheric Chemistry. , 2022, , 831-865.		0
2	Anthropogenic and Climatic Contributions to Observed Carbon System Trends in the Northeast Pacific. Global Biogeochemical Cycles, 2021, 35, e2020GB006829.	4.9	13
3	Climate change impacts on sea-ice ecosystems and associated ecosystem services. Elementa, 2021, 9, .	3.2	26
4	Underestimation of surface $\text{CO}_2$ and air-sea $\text{CO}_2$ fluxes due to freshwater stratification in an Arctic shelf sea, Hudson Bay. Elementa, 2020, 8, .	3.2	13
5	Overview paper: New insights into aerosol and climate in the Arctic. Atmospheric Chemistry and Physics, 2019, 19, 2527-2560.	4.9	134
6	Air-Sea $\text{CO}_2$ Flux Estimates in Stratified Arctic Coastal Waters: How Wrong Can We Be?. Geophysical Research Letters, 2019, 46, 235-243.	4.0	16
7	Carbon Dynamics During the Formation of Sea Ice at Different Growth Rates. Frontiers in Earth Science, 2018, 6, .	1.8	10
8	A Model-Based Analysis of Physical and Biogeochemical Controls on Carbon Exchange in the Upper Water Column, Sea Ice, and Atmosphere in a Seasonally Ice-Covered Arctic Strait. Journal of Geophysical Research: Oceans, 2018, 123, 7529-7549.	2.6	7
9	Microlayer source of oxygenated volatile organic compounds in the summertime marine Arctic boundary layer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6203-6208.	7.1	97
10	Surface Water $\text{CO}_2$ Variations and Sea-Air $\text{CO}_2$ Fluxes During Summer in the Eastern Canadian Arctic. Journal of Geophysical Research: Oceans, 2017, 122, 9663-9678.	2.6	20
11	Inorganic carbon cycling and biogeochemical processes in an Arctic inland sea (Hudson Bay). Biogeosciences, 2016, 13, 4659-4671.	3.3	16
12	Inorganic carbon system dynamics in landfast Arctic sea ice during the early-melt period. Journal of Geophysical Research: Oceans, 2015, 120, 3542-3566.	2.6	20
13	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. Elementa, 2015, 3, .	3.2	77
14	Over-determination of the carbonate system in natural sea-ice brine and assessment of carbonic acid dissociation constants under low temperature, high salinity conditions. Marine Chemistry, 2014, 165, 36-45.	2.3	17
15	Changes in the marine carbonate system of the western Arctic: patterns in a rescued data set. Polar Research, 2014, 33, 20577.	1.6	19
16	Impact of sea-ice processes on the carbonate system and ocean acidification at the ice-water interface of the Amundsen Gulf, Arctic Ocean. Journal of Geophysical Research: Oceans, 2013, 118, 7001-7023.	2.6	55
17	Annual cycles of $\text{CO}_2$ in the southeastern Beaufort Sea: New understandings of air-sea $\text{CO}_2$ exchange in arctic polynya regions. Journal of Geophysical Research, 2012, 117, .	3.3	39
18	Seasonal variability of water mass distribution in the southeastern Beaufort Sea determined by total alkalinity and $\text{O}_2$ . Journal of Geophysical Research, 2012, 117, .	3.3	73

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19	Sea surface $\text{CO}_2$ cycles and $\text{CO}_2$ fluxes at landfast sea ice edges in Amundsen Gulf, Canada. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
20	Carbon dynamics in sea ice: A winter flux time series. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	129
21	Wintertime $\text{CO}_2$ fluxes in an Arctic polynya using eddy covariance: Evidence for enhanced air-sea gas transfer during ice formation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	76
22	Seasonal variability of the inorganic carbon system in the Amundsen Gulf region of the southeastern Beaufort Sea. <i>Limnology and Oceanography</i> , 2011, 56, 303-322.	3.1	78
23	Carbonate system evolution at the Arctic Ocean surface during autumn freeze-up. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
24	$\text{CO}_2$ fluxes across the air-sea interface in the southeastern Beaufort Sea: Ice-free period. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	50
25	$^{234}\text{Th}$ distributions in coastal and open ocean waters by non-destructive $\beta^2$ -counting. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 256, 431-444.	1.5	4
26	Carbon distributions and fluxes in the North Water, 1998 and 1999. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 5151-5170.	1.4	51