

Brent Else

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,496
citations

331670

21
h-index

315739

38
g-index

44
all docs

44
docs citations

44
times ranked

2239
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea ice concentration impacts dissolved organic gases in the Canadian Arctic. <i>Biogeosciences</i> , 2022, 19, 1021-1045.	3.3	9
2	Biophysical indicators and Indigenous and Local Knowledge reveal climatic and ecological shifts with implications for Arctic Char fisheries. <i>Global Environmental Change</i> , 2022, 74, 102469.	7.8	15
3	Seasonal marine carbon system processes in an Arctic coastal landfast sea ice environment observed with an innovative underwater sensor platform. <i>Elementa</i> , 2021, 9, .	3.2	7
4	On the impact of wastewater effluent on phytoplankton in the Arctic coastal zone: A case study in the Kitikmeot Sea of the Canadian Arctic. <i>Science of the Total Environment</i> , 2021, 764, 143861.	8.0	15
5	Widespread surface water CO_2 undersaturation during ice-melt season in an Arctic continental shelf sea (Hudson Bay, Canada). <i>Elementa</i> , 2021, 9, .	3.2	3
6	The future of Arctic sea-ice biogeochemistry and ice-associated ecosystems. <i>Nature Climate Change</i> , 2020, 10, 983-992.	18.8	96
7	River Inflow Dominates Methane Emissions in an Arctic Coastal System. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087669.	4.0	18
8	Underestimation of surface CO_2 and air-sea CO_2 fluxes due to freshwater stratification in an Arctic shelf sea, Hudson Bay. <i>Elementa</i> , 2020, 8, .	3.2	13
9	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
10	Saroma-ko Lagoon Observations for sea ice Physico-chemistry and Ecosystems 2019 (SLOPE2019). <i>Bulletin of Glaciological Research</i> , 2020, 38, 1-12.	1.0	7
11	Estimates of net community production from multiple approaches surrounding the spring ice-edge bloom in Baffin Bay. <i>Elementa</i> , 2020, 8, .	3.2	5
12	The Ocean CO_2 Sink in the Canadian Arctic Archipelago: A Present-Day Budget and Past Trends Due to Climate Change. <i>Geophysical Research Letters</i> , 2019, 46, 9777-9785.	4.0	7
13	Physical length scales of wind-blown snow redistribution and accumulation on relatively smooth Arctic first-year sea ice. <i>Environmental Research Letters</i> , 2019, 14, 104003.	5.2	11
14	Segmented flow coil equilibrator coupled to a proton-transfer-reaction mass spectrometer for measurements of a broad range of volatile organic compounds in seawater. <i>Ocean Science</i> , 2019, 15, 925-940.	3.4	10
15	Response of the Arctic Marine Inorganic Carbon System to Ice Algae and Under-Ice Phytoplankton Blooms: A Case Study Along the Fast-Ice Edge of Baffin Bay. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1277-1293.	2.6	6
16	Variability of Surface Water CO_2 in the Canadian Arctic Archipelago From 2010 to 2016. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1876-1896.	2.6	16
17	Enhanced bottom-ice algal biomass across a tidal strait in the Kitikmeot Sea of the Canadian Arctic. <i>Elementa</i> , 2019, 7, .	3.2	23
18	Dried, closed-path eddy covariance method for measuring carbon dioxide flux over sea ice. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6075-6090.	3.1	17

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19	The Energetics of Extensive Meltwater Flooding of Level Arctic Sea Ice. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8730-8748.	2.6	7
20	Dynamic response of NDVI to soil moisture variations during different hydrological regimes in the Sahel region. <i>International Journal of Remote Sensing</i> , 2017, 38, 5408-5429.	2.9	35
21	A synthesis of the arctic terrestrial and marine carbon cycles under pressure from a dwindling cryosphere. <i>Ambio</i> , 2017, 46, 53-69.	5.5	56
22	Surface Water CO_2 Variations and Sea-Air CO_2 Fluxes During Summer in the Eastern Canadian Arctic. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9663-9678.	2.6	20
23	Effect of Snow Salinity on CryoSat-2 Arctic First-Year Sea Ice Freeboard Measurements. <i>Geophysical Research Letters</i> , 2017, 44, 10,419.	4.0	63
24	Estimates of ikaite export from sea ice to the underlying seawater in a sea ice-seawater mesocosm. <i>Cryosphere</i> , 2016, 10, 2173-2189.	3.9	20
25	Imaging air volume fraction in sea ice using non-destructive X-ray tomography. <i>Cryosphere</i> , 2016, 10, 1125-1145.	3.9	33
26	Replacement of multiyear sea ice and changes in the open water season duration in the Beaufort Sea since 2004. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1806-1823.	2.6	47
27	Under-ice eddy covariance flux measurements of heat, salt, momentum, and dissolved oxygen in an artificial sea ice pool. <i>Cold Regions Science and Technology</i> , 2015, 119, 158-169.	3.5	12
28	Selected physical, biological and biogeochemical implications of a rapidly changing Arctic Marginal Ice Zone. <i>Progress in Oceanography</i> , 2015, 139, 122-150.	3.2	140
29	Sea-Air CO_2 exchange in the western Arctic coastal ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1190-1209.	4.9	39
30	Implications of fractured Arctic perennial ice cover on thermodynamic and dynamic sea ice processes. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2327-2343.	2.6	29
31	Surface energy budget of landfast sea ice during the transitions from winter to snowmelt and melt pond onset: The importance of net longwave radiation and cyclone forcings. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3679-3693.	2.6	19
32	Temporal dynamics of ikaite in experimental sea ice. <i>Cryosphere</i> , 2014, 8, 1469-1478.	3.9	32
33	Annual cycle of air-sea CO_2 exchange in an Arctic Polynya Region. <i>Global Biogeochemical Cycles</i> , 2013, 27, 388-398.	4.9	24
34	Annual cycles of CO_2 in the southeastern Beaufort Sea: New understandings of air-sea CO_2 exchange in arctic polynya regions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
35	Consequences of change and variability in sea ice on marine ecosystem and biogeochemical processes during the 2007-2008 Canadian International Polar Year program. <i>Climatic Change</i> , 2012, 115, 135-159.	3.6	24
36	Sea surface CO_2 cycles and CO_2 fluxes at landfast sea ice edges in Amundsen Gulf, Canada. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9

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37	Wintertime 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
38	Dimethyl sulfide air-sea fluxes and biogenic sulfur as a source of new aerosols in the Arctic fall. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	38
39	Carbonate system evolution at the Arctic Ocean surface during autumn freeze-up. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
40	Contribution of under-ice primary production to an ice-edge upwelling phytoplankton bloom in the Canadian Beaufort Sea. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	209
41	Methylated Mercury Species in Marine Waters of the Canadian High and Sub Arctic. <i>Environmental Science & Technology</i> , 2008, 42, 8367-8373.	10.0	102
42	Observations of sea surface CO ₂ distributions and estimated air-sea CO ₂ fluxes in the Hudson Bay region (Canada) during the open water season. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
43	Changing sea ice melt parameters in the Canadian Arctic Archipelago: Implications for the future presence of multiyear ice. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	38
44	Effects of Seasonal Ice Coverage on the Physical Oceanographic Conditions of the Kitikmeot Sea in the Canadian Arctic Archipelago. <i>Atmosphere - Ocean</i> , 0, , 1-19.	1.6	3