Kjetil VÃ¥ge

List of Publications by Year
in descending order

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Version: 2024-02-01

47 papers	2,109 citations	257450 24 h-index	243625 44 g-index
53 all docs	53 docs citations	53 times ranked	2002 citing authors

#	Article	IF	Citations
1	Continued warming, salinification and oxygenation of the Greenland Sea gyre. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 70, 1476434.	1.7	29
2	Sea-ice retreat suggests re-organization of water mass transformation in the Nordic and Barents Seas. Nature Communications, 2022, 13, 67.	12.8	19
3	Evolution and Transformation of the North Icelandic Irminger Current Along the North Iceland Shelf. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	5
4	Nordic Seas Heat Loss, Atlantic Inflow, and Arctic Sea Ice Cover Over the Last Century. Reviews of Geophysics, 2022, 60, .	23.0	43
5	Water mass transformation in the Iceland Sea: Contrasting two winters separated by four decades. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 186, 103824.	1.4	4
6	An evaluation of surface meteorology and fluxes over the Iceland and Greenland Seas in <scp>ERA5</scp> reanalysis: The impact of sea ice distribution. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 691-712.	2.7	43
7	Increased ocean heat transport into the Nordic Seas and Arctic Ocean over the period 1993â€“2016. Nature Climate Change, 2021, 11, 21-26.	18.8	70
8	Fate of Warm Pacific Water in the Arctic Basin. Geophysical Research Letters, 2021, 48, e2021GL094693.	4.0	16
9	The Iceland-Faroe Slope Jet: a conduit for dense water toward the Faroe Bank Channel overflow. Nature Communications, 2020, 11, 5390.	12.8	16
10	Alongâ€Stream, Seasonal, and Interannual Variability of the North Icelandic Irminger Current and East Icelandic Current Around Iceland. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016283.	2.6	13
11	Attuning to a changing ocean. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20363-20371.	7.1	9
12	A revised ocean glider concept to realize Stommel's vision and supplement Argo floats. Ocean Science, 2020, 16, 291-305.	3.4	3
13	Characteristics and Transformation of Pacific Winter Water on the Chukchi Sea Shelf in Late Spring. Journal of Geophysical Research: Oceans, 2019, 124, 7153-7177.	2.6	25
14	Atlantic-Origin Overflow Water in the East Greenland Current. Journal of Physical Oceanography, 2019, 49, 2255-2269.	1.7	9
15	The Emergence of the North Icelandic Jet and Its Evolution from Northeast Iceland to Denmark Strait. Journal of Physical Oceanography, 2019, 49, 2499-2521.	1.7	24
16	The Iceland Greenland Seas Project. Bulletin of the American Meteorological Society, 2019, 100, 1795-1817.	3.3	21
17	Water Mass Transformation in the Greenland Sea during the Period 1986â€“2016. Journal of Physical Oceanography, 2019, 49, 121-140.	1.7	57
18	Impact of model resolution on the representation of the airâ€“sea interaction associated with the North Water Polynya. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1474-1489.	2.7	17

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19	Ocean convection linked to the recent ice edge retreat along east Greenland. Nature Communications, 2018, 9, 1287.	12.8	48
20	A Numerical Study of Interannual Variability in the North Icelandic Irminger Current. Journal of Geophysical Research: Oceans, 2018, 123, 8994-9009.	2.6	8
21	Windâ€Driven Coastal Upwelling and Downwelling in the Shelfbreak East Greenland Current. Journal of Geophysical Research: Oceans, 2018, 123, 6106-6115.	2.6	10
22	On the hydrography of <scp>D</scp>enmark <scp>S</scp>trait. Journal of Geophysical Research: Oceans, 2017, 122, 306-321.	2.6	48
23	Composition and variability of the <scp>D</scp>enmark <scp>S</scp>trait <scp>O</scp>verflow <scp>W</scp>ater in a highâ€resolution numerical model hindcast simulation. Journal of Geophysical Research: Oceans, 2017, 122, 2830-2846.	2.6	32
24	Evolution of the <scp>E</scp>ast <scp>G</scp>reenland <scp>C</scp>urrent from <scp>F</scp>ram <scp>S</scp>trait to <scp>D</scp>enmark <scp>S</scp>trait: Synoptic measurements from summer 2012. Journal of Geophysical Research: Oceans, 2017, 122, 1974-1994.	2.6	79
25	The <scp>A</scp>tlantic <scp>W</scp>ater boundary current north of <scp>S</scp>valbard in late summer. Journal of Geophysical Research: Oceans, 2017, 122, 2269-2290.	2.6	52
26	Liquid freshwater transport estimates from the <scp>E</scp>ast <scp>G</scp>reenland <scp>C</scp>urrent based on continuous measurements north of <scp>D</scp>enmark <scp>S</scp>trait. Journal of Geophysical Research: Oceans, 2017, 122, 93-109.	2.6	27
27	Structure and Variability of the Shelfbreak East Greenland Current North of Denmark Strait. Journal of Physical Oceanography, 2017, 47, 2631-2646.	1.7	23
28	The North Icelandic Jet and its relationship to the North Icelandic Irminger Current. Journal of Marine Research, 2017, 75, 605-639.	0.3	22
29	Greenland Melt and the Atlantic Meridional Overturning Circulation. , 2016, 29, 22-33.		11
30	The Atlantic <scp>W</scp>ater boundary current in the <scp>N</scp>ansen <scp>B</scp>asin: Transport and mechanisms of lateral exchange. Journal of Geophysical Research: Oceans, 2016, 121, 6946-6960.	2.6	57
31	Upstream sources of the Denmark Strait Overflow: Observations from a high-resolution mooring array. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 112, 94-112.	1.4	66
32	Irminger Sea deep convection injects oxygen and anthropogenic carbon to the ocean interior. Nature Communications, 2016, 7, 13244.	12.8	69
33	Decreasing intensity of open-ocean convection in the Greenland and Iceland seas. Nature Climate Change, 2015, 5, 877-882.	18.8	63
34	Water mass transformation in the Iceland Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 101, 98-109.	1.4	47
35	Atlantic origin of observed and modelled freshwater anomalies in the Nordic Seas. Nature Geoscience, 2014, 7, 801-805.	12.9	49
36	What causes the location of the airâ€sea turbulent heat flux maximum over the Labrador Sea?. Geophysical Research Letters, 2014, 41, 3628-3635.	4.0	16

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37	Revised circulation scheme north of the Denmark Strait. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 79, 20-39.	1.4	98
38	Detecting Labrador Sea Water formation from space. Journal of Geophysical Research: Oceans, 2013, 118, 2074-2086.	2.6	11
39	Convective mixing in the central Irminger Sea: 2002â€“2010. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 63, 36-51.	1.4	73
40	The Irminger Gyre: Circulation, convection, and interannual variability. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 590-614.	1.4	113
41	Impact of fjord dynamics and glacial runoff on the circulation near Helheim Glacier. Nature Geoscience, 2011, 4, 322-327.	12.9	225
42	Significant role of the North Icelandic Jet in the formation of Denmark Strait overflow water. Nature Geoscience, 2011, 4, 723-727.	12.9	99
43	Multiâ€event analysis of the westerly Greenland tip jet based upon 45 winters in ERAâ€40. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1999-2011.	2.7	43
44	Surprising return of deep convection to the subpolar North Atlantic Ocean in winter 2007â€“2008. Nature Geoscience, 2009, 2, 67-72.	12.9	160
45	Winter Mixed Layer Development in the Central Irminger Sea: The Effect of Strong, Intermittent Wind Events. Journal of Physical Oceanography, 2008, 38, 541-565.	1.7	85
46	Convection in the Western North Atlantic Sub-Polar Gyre: Do Small-Scale Wind Events Matter?. , 2008, , 629-652.		10
47	How Warm Gulf Stream Water Sustains a Cold Underwater Waterfall. Frontiers for Young Minds, 0, 10, .	0.8	0