Randi B Ingvaldsen

List of Publications by Year
in descending order

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Version: 2024-02-01

24 papers	1,964 citations	430874 18 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1933 citing authors

#	Article	IF	Citations
1	THE ROLE OF THE BARENTS SEA IN THE ARCTIC CLIMATE SYSTEM. Reviews of Geophysics, 2013, 51, 415-449.	23.0	362
2	Loss of sea ice during winter north of Svalbard. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 23933.	1.7	203
3	The seasonal cycle in the Atlantic transport to the Barents Sea during the years 1997â€“2001. Continental Shelf Research, 2004, 24, 1015-1032.	1.8	164
4	Volume and Heat Transports to the Arctic Ocean Via the Norwegian and Barents Seas. , 2008, , 45-64.		131
5	Future harvest of living resources in the Arctic Ocean north of the Nordic and Barents Seas: A review of possibilities and constraints. Fisheries Research, 2017, 188, 38-57.	1.7	130
6	Skillful prediction of Barents Sea ice cover. Geophysical Research Letters, 2015, 42, 5364-5371.	4.0	125
7	Variability and impacts of Atlantic Water entering the Barents Sea from the north. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 62, 70-88.	1.4	111
8	Physical manifestations and ecological implications of Arctic Atlantification. Nature Reviews Earth & Environment, 2021, 2, 874-889.	29.7	86
9	Velocity field of the western entrance to the Barents Sea. Journal of Geophysical Research, 2004, 109, .	3.3	84
10	The Arctic Ocean in summer: A quasiâ€synoptic inverse estimate of boundary fluxes and water mass transformation. Journal of Geophysical Research, 2012, 117, .	3.3	84
11	Weakening of Cold Halocline Layer Exposes Sea Ice to Oceanic Heat in the Eastern Arctic Ocean. Journal of Climate, 2020, 33, 8107-8123.	3.2	82
12	Variability and Redistribution of Heat in the Atlantic Water Boundary Current North of Svalbard. Journal of Geophysical Research: Oceans, 2018, 123, 6373-6391.	2.6	78
13	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
14	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
15	High Latitude Epipelagic and Mesopelagic Scattering Layersâ€”A Reference for Future Arctic Ecosystem Change. Frontiers in Marine Science, 2017, 4, .	2.5	51
16	The Pan-Arctic Continental Slope: Sharp Gradients of Physical Processes Affect Pelagic and Benthic Ecosystems. Frontiers in Marine Science, 2020, 7, .	2.5	37
17	Structure, Transport, and Seasonality of the Atlantic Water Boundary Current North of Svalbard: Results From a Yearlong Mooring Array. Journal of Geophysical Research: Oceans, 2019, 124, 1679-1698.	2.6	33
18	Atlantic Water Pathways Along the Northâ€Western Svalbard Shelf Mapped Using Vesselâ€Mounted Current Profilers. Journal of Geophysical Research: Oceans, 2019, 124, 1699-1716.	2.6	22

#	Article	IF	Citations
19	Windâ€Driven Crossâ€Shelf Exchangeâ€"West Spitsbergen Current as a Source of Heat and Salt for the Adjacent Shelf in Arctic Winters. Journal of Geophysical Research: Oceans, 2018, 123, 2668-2696.	2.6	20
20	The flow of Atlantic water to the Nordic Seas and Arctic Ocean. , 2007, , 123-146.		15
21	Acoustic scattering layers reveal a faunal connection across the Fram Strait. Progress in Oceanography, 2020, 185, 102348.	3.2	13
22	Productive detours â€“ Atlantic water inflow and acoustic backscatter in the major troughs along the Svalbard shelf. Progress in Oceanography, 2020, 188, 102447.	3.2	12
23	Ocean acidification state variability of the Atlantic Arctic Ocean around northern Svalbard. Progress in Oceanography, 2021, 199, 102708.	3.2	8
24	Benthic transition zones in the Atlantic gateway to a changing Arctic ocean. Progress in Oceanography, 2022, 204, 102792.	3.2	4