

# Randi BrunvÅ|r Ingvaldsen

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

3,225  
citations

331670

21  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of sea ice during winter north of Svalbard. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 66, 23933.	1.7	203
2	Changes in Arctic Stratification and Mixed Layer Depth Cycle: A Modeling Analysis. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	19
3	Benthic transition zones in the Atlantic gateway to a changing Arctic ocean. <i>Progress in Oceanography</i> , 2022, 204, 102792.	3.2	4
4	Successive extreme climatic events lead to immediate, large-scale, and diverse responses from fish in the Arctic. <i>Global Change Biology</i> , 2022, 28, 3728-3744.	9.5	11
5	Possible future scenarios for two major Arctic Gateways connecting Subarctic and Arctic marine systems: I. Climate and physical-chemical oceanography. <i>ICES Journal of Marine Science</i> , 2021, 78, 3046-3065.	2.5	13
6	A deep scattering layer under the North Pole pack ice. <i>Progress in Oceanography</i> , 2021, 194, 102560.	3.2	15
7	Ocean acidification state variability of the Atlantic Arctic Ocean around northern Svalbard. <i>Progress in Oceanography</i> , 2021, 199, 102708.	3.2	8
8	Physical manifestations and ecological implications of Arctic Atlantification. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 874-889.	29.7	86
9	Borealization of the Arctic Ocean in Response to Anomalous Advection From Sub-Arctic Seas. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	174
10	Productive detours – Atlantic water inflow and acoustic backscatter in the major troughs along the Svalbard shelf. <i>Progress in Oceanography</i> , 2020, 188, 102447.	3.2	12
11	The Pan-Arctic Continental Slope: Sharp Gradients of Physical Processes Affect Pelagic and Benthic Ecosystems. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	37
12	Atlantic Water Pathways Along the North-Western Svalbard Shelf Mapped Using Vessel-Mounted Current Profilers. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1699-1716.	2.6	22
13	Wind-Driven Cross-Shelf Exchange – West Spitsbergen Current as a Source of Heat and Salt for the Adjacent Shelf in Arctic Winters. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 2668-2696.	2.6	20
14	Arctic warming hotspot in the northern Barents Sea linked to declining sea-ice import. <i>Nature Climate Change</i> , 2018, 8, 634-639.	18.8	344
15	Large-scale patterns in community structure of benthos and fish in the Barents Sea. <i>Polar Biology</i> , 2017, 40, 237-246.	1.2	23
16	Future harvest of living resources in the Arctic Ocean north of the Nordic and Barents Seas: A review of possibilities and constraints. <i>Fisheries Research</i> , 2017, 188, 38-57.	1.7	130
17	Atlantic cod ( <i>Gadus morhua</i> ) feeding over deep water in the high Arctic. <i>Polar Biology</i> , 2017, 40, 2105-2111.	1.2	62
18	Interannual zooplankton variability in the main pathways of the Atlantic water flow into the Arctic Ocean (Fram Strait and Barents Sea branches). <i>ICES Journal of Marine Science</i> , 2017, 74, 1921-1936.	2.5	60

#	ARTICLE	IF	CITATIONS
19	Evidence of Diel Vertical Migration of Mesopelagic Sound-Scattering Organisms in the Arctic. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	48
20	High Latitude Epipelagic and Mesopelagic Scattering Layersâ€”A Reference for Future Arctic Ecosystem Change. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	51
21	Arctic layer salinity controls heat loss from deep Atlantic layer in seasonally iceâ€”covered areas of the Barents Sea. <i>Geophysical Research Letters</i> , 2016, 43, 5233-5242.	4.0	36
22	Skillful prediction of Barents Sea ice cover. <i>Geophysical Research Letters</i> , 2015, 42, 5364-5371.	4.0	125
23	Recent warming leads to a rapid borealization of fish communities in the Arctic. <i>Nature Climate Change</i> , 2015, 5, 673-677.	18.8	597
24	Sources of uncertainties in cod distribution models. <i>Nature Climate Change</i> , 2015, 5, 788-789.	18.8	15
25	Synergies between climate and management for Atlantic cod fisheries at high latitudes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3478-3483.	7.1	173
26	Productivity in the Barents Sea - Response to Recent Climate Variability. <i>PLoS ONE</i> , 2014, 9, e95273.	2.5	123
27	THE ROLE OF THE BARENTS SEA IN THE ARCTIC CLIMATE SYSTEM. <i>Reviews of Geophysics</i> , 2013, 51, 415-449.	23.0	362
28	Climate effects on Barents Sea ecosystem dynamics. <i>ICES Journal of Marine Science</i> , 2012, 69, 1303-1316.	2.5	136
29	Variability and impacts of Atlantic Water entering the Barents Sea from the north. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 62, 70-88.	1.4	111
30	Changes in Barents Sea ecosystem state, 1970â€”2009: climate fluctuations, human impact, and trophic interactions. <i>ICES Journal of Marine Science</i> , 2012, 69, 880-889.	2.5	121
31	Velocity field of the western entrance to the Barents Sea. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	84