Jon Albretsen

List of Publications by Year
in descending order

62 papers	1,727 citations	279487 23 h-index	315357 38 g-index
64 all docs	64 docs citations	64 times ranked	2305 citing authors

#	Article	IF	Citations
1	Eddyâ€driven recirculation of Atlantic Water in Fram Strait. Geophysical Research Letters, 2016, 43, 3406-3414.	1.5	160
2	Climate change opens new frontiers for marine species in the Arctic: Current trends and future invasion risks. Global Change Biology, 2019, 25, 25-38.	4.2	135
3	Dispersion of salmon lice in the Hardangerfjord. Marine Biology Research, 2014, 10, 216-225.	0.3	118
4	Temperatureâ€associated habitat selection in a coldâ€water marine fish. Journal of Animal Ecology, 2016, 85, 628-637.	1.3	71
5	Evaluation of a national operational salmon lice monitoring systemâ€”From physics to fish. PLoS ONE, 2018, 13, e0201338.	1.1	60
6	Genetically distinct populations of northern shrimp, Pandalus borealis, in the North Atlantic: adaptation to different temperatures as an isolation factor. Molecular Ecology, 2015, 24, 1742-1757.	2.0	58
7	Summer mortalities and detection of ostreid herpesvirus microvariant in Pacific oyster Crassostrea gigas in Sweden and Norway. Diseases of Aquatic Organisms, 2016, 117, 171-176.	0.5	54
8	Environmental change influences the life history of salmon Salmo salar in the North Atlantic Ocean. Journal of Fish Biology, 2016, 88, 618-637.	0.7	53
9	Effects of glacier runoff and wind on surface layer dynamics and Atlantic Water exchange in Kongsfjorden, Svalbard; a model study. Estuarine, Coastal and Shelf Science, 2017, 187, 260-272.	0.9	52
10	Stable coexistence of genetically divergent Atlantic cod ecotypes at multiple spatial scales. Evolutionary Applications, 2018, 11, 1527-1539.	1.5	47
11	The hydrodynamic foundation for salmon lice dispersion modeling along the Norwegian coast. Ocean Dynamics, 2020, 70, 1151-1167.	0.9	46
12	Modelling dispersal of eggs and quantifying connectivity among Norwegian coastal cod subpopulations. ICES Journal of Marine Science, 2014, 71, 957-969.	1.2	45
13	Mesoscale Eddy Activity and Transport in the Atlantic Water Inflow Region North of Svalbard. Journal of Geophysical Research: Oceans, 2018, 123, 201-215.	1.0	43
14	Impact of tidewater glacier retreat on the fjord system: Modeling present and future circulation in Kongsfjorden, Svalbard. Estuarine, Coastal and Shelf Science, 2019, 220, 152-165.	0.9	43
15	Climate Change and Genetic Structure of Leading Edge and Rear End Populations in a Northwards Shifting Marine Fish Species, the Corkwing Wrasse (Symphodus melops). PLoS ONE, 2013, 8, e67492.	1.1	40
16	Climatic variability in the Skagerrak and coastal waters of Norway. ICES Journal of Marine Science, 2012, 69, 758-763.	1.2	38
17	Modelled salmon lice dispersion and infestation patterns in a sub-arctic fjord. ICES Journal of Marine Science, 2018, 75, 1733-1747.	1.2	36
18	Impacts of salmon lice on mortality, marine migration distance and premature return in sea trout. Marine Ecology - Progress Series, 2020, 635, 151-168.	0.9	29

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19	Sea-State-Dependent Momentum Fluxes for Ocean Modeling. Journal of Physical Oceanography, 2007, 37, 2714-2725.	0.7	28
20	Predicting the effectiveness of depth-based technologies to prevent salmon lice infection using a dispersal model. Preventive Veterinary Medicine, 2016, 129, 48-57.	0.7	28
21	The Northeast Greenland Shelf as a Potential Habitat for the Northeast Arctic Cod. Frontiers in Marine Science, 2017, 4, .	1.2	28
22	Real-Time Ichthyoplankton Drift in Northeast Arctic Cod and Norwegian Spring-Spawning Herring. PLoS ONE, 2011, 6, e27367.	1.1	26
23	Modelling of the Svalbard fjord Hornsund. Oceanologia, 2017, 59, 473-495.	1.1	26
24	Carbon export is facilitated by sea urchins transforming kelp detritus. Oecologia, 2020, 192, 213-225.	0.9	26
25	Genetic analysis of goldsinny wrasse reveals evolutionary insights into population connectivity and potential evidence of inadvertent translocation via aquaculture. ICES Journal of Marine Science, 2017, 74, 2135-2147.	1.2	23
26	Diurnal tides on the Barents Sea continental slope. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 97, 40-51.	0.6	22
27	Cod at drift in the North Sea. Progress in Oceanography, 2018, 167, 116-124.	1.5	22
28	Stabilizing selection on Atlantic cod supergenes through a millennium of extensive exploitation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	22
29	Trans-polar drift-pathways of riverine European microplastic. Scientific Reports, 2022, 12, 3016.	1.6	22
30	Marine downscaling of a future climate scenario in the North Sea and possible effects on dinoflagellate harmful algal blooms. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1630-1646.	1.1	21
31	Decadal long simulations of mesoscale structures in the northern North Sea/Skagerrak using two ocean models. Ocean Dynamics, 2010, 60, 933-955.	0.9	18
32	Linking bacterial community structure to advection and environmental impact along a coast-fjord gradient of the Sognefjord, western Norway. Progress in Oceanography, 2017, 159, 13-30.	1.5	18
33	New validation method for hydrodynamic fjord models applied in the Hardangerfjord, Norway. Estuarine, Coastal and Shelf Science, 2020, 246, 107028.	0.9	18
34	Classification and Mapping of Benthic Biotopes in Arctic and Sub-Arctic Norwegian Waters. Frontiers in Marine Science, 2020, 7, .	1.2	18
35	The Abundance of Kelp Is Modified by the Combined Impact of Depth, Waves and Currents. Frontiers in Marine Science, 2019, 6, .	1.2	16
36	Impact of variable physical conditions and future increased aquaculture production on lice infestation pressure and its sustainability in Norway. Aquaculture Environment Interactions, 2020, 12, 193-204.	0.7	16

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37	The impact of freshwater discharges on the ocean circulation in the Skagerrak/northern North Sea area Part I: model validation. Ocean Dynamics, 2007, 57, 269-285.	0.9	15
38	Polar cod egg and larval drift patterns in the Svalbard archipelago. Polar Biology, 2020, 43, 1029-1042.	0.5	15
39	Modelling drift of pelagic offspring: the importance of egg surveys in providing a realistic model initialization. ICES Journal of Marine Science, 2015, 72, 2578-2589.	1.2	14
40	Sandbanks, sandwaves and megaripples on Spitsbergenbanken, Barents Sea. Marine Geology, 2019, 416, 105998.	0.9	13
41	Modeling the Distribution of Habitat-Forming, Deep-Sea Sponges in the Barents Sea: The Value of Data. Frontiers in Marine Science, 2021, 7, .	1.2	13
42	Simulating particle organic matter dispersal beneath Atlantic salmon fish farms using different resuspension approaches. Marine Pollution Bulletin, 2020, 161, 111685.	2.3	12
43	Productive detours â€“ Atlantic water inflow and acoustic backscatter in the major troughs along the Svalbard shelf. Progress in Oceanography, 2020, 188, 102447.	1.5	12
44	Coastal transport of river-discharged radionuclides: Impact of speciation and transformation processes in numerical model simulations. Science of the Total Environment, 2019, 669, 856-871.	3.9	11
45	Achieving Reliable Estimates of the Spatial Distribution of Kelp Biomass. Frontiers in Marine Science, 2020, 7, .	1.2	10
46	Using Spatial Validity and Uncertainty Metrics to Determine the Relative Suitability of Alternative Suites of Oceanographic Data for Seabed Biotope Prediction. A Case Study from the Barents Sea, Norway. Geosciences (Switzerland), 2021, 11, 48.	1.0	10
47	Impact of hatch date on early life growth and survival of Muellerâ€™s pearlside (<i>Maurolicus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Sciences, 2016, 73, 163-176.	0.7	9
48	Mechanisms regulating interâ€annual variability in zooplankton advection over the Lofoten shelf, implications for cod larvae survival. Fisheries Oceanography, 2017, 26, 299-315.	0.9	9
49	Towards direct evidence of the effects of salmon lice (Lepeophtheirus salmonis KrÃ¸yer) on sea trout (Salmo trutta L.) in their natural habitat: proof of concept for a new combination of methods. Environmental Biology of Fishes, 2018, 101, 1677-1692.	0.4	9
50	Mind the Depth: The Vertical Dimension of a Smallâ€Scale Coastal Fishery Shapes Selection on Species, Size, and Sex in Wrasses. Marine and Coastal Fisheries, 2020, 12, 404-422.	0.6	9
51	Genetic differentiation between inshore and offshore populations of northern shrimp (<i>Pandalus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	8
52	Modeling key processes affecting Al speciation and transport in estuaries. Science of the Total Environment, 2019, 687, 1147-1163.	3.9	5
53	The impact of freshwater discharges on the ocean circulation in the Skagerrak/northern North Sea area. Part II: energy analysis. Ocean Dynamics, 2007, 57, 287-304.	0.9	4
54	The impact of surface currents on the wave climate in narrow fjords. Ocean Modelling, 2021, 168, 101894.	1.0	3

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55	Of three sharks and one chimaera: varied habitat preferences across a latitudinal range revealed by coastal and offshore surveys. Journal of Fish Biology, 2022, 100, 660-674.	0.7	3
56	Implementation and evaluation of open boundary conditions for sea ice in a regional coupled ocean (ROMS) and sea ice (CICE) modeling system. Geoscientific Model Development, 2022, 15, 4373-4392.	1.3	3
57	Adjusting modelled sound speed profiles for use in sonar operations. , 2017, , .		2
58	Spatial variability of environmental conditions in fjords and the importance for aquaculture. , 2013, , .		1
59	A step towards high resolution modeling of the central Faroe shelf circulation by FarCoast800. Regional Studies in Marine Science, 2020, 40, 101475.	0.4	1
60	Monitoring the Norwegian Coastal Zone Environment (MONCOZE). Elsevier Oceanography Series, 2003, 69, 529-534.	0.1	0
61	Lemon sole Microstomus kitt in the northern North Sea: a multidisciplinary approach to the early lifeâ€history dynamics. Journal of Fish Biology, 2021, 99, 569-580.	0.7	0
62	A tidally driven fjord-like strait close to an amphidromic region. Ocean Science, 2021, 17, 1639-1655.	1.3	0