Harald GjÃ¸sÃ¦ter

List of Publications by Year
in descending order

68 papers	3,407 citations	117625 34 h-index	149698 56 g-index
70 all docs	70 docs citations	70 times ranked	2431 citing authors

#	Article	IF	Citations
1	Polar cod (<i>Boreogadus saida</i>) and capelin (<i>Mallotus villosus</i>) as key species in marine food webs of the Arctic and the Barents Sea. Marine Biology Research, 2013, 9, 878-894.	0.7	249
2	The population biology and exploitation of capelin (<i>Mallotus villosus</i>) in the barents sea. Sarsia, 1998, 83, 453-496.	0.5	214
3	The major threats to Atlantic salmon in Norway. ICES Journal of Marine Science, 2017, 74, 1496-1513.	2.5	187
4	Synergies between climate and management for Atlantic cod fisheries at high latitudes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3478-3483.	7.1	173
5	Cod, haddock, saithe, herring, and capelin in the Barents Sea and adjacent waters: a review of the biological value of the area. ICES Journal of Marine Science, 2010, 67, 87-101.	2.5	166
6	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
7	Changes in Barents Sea ecosystem state, 1970â€“2009: climate fluctuations, human impact, and trophic interactions. ICES Journal of Marine Science, 2012, 69, 880-889.	2.5	121
8	Ecosystem effects of the three capelin stock collapses in the Barents Sea. Marine Biology Research, 2009, 5, 40-53.	0.7	107
9	Spatial and temporal changes in the Barents Sea pelagic compartment during the recent warming. Progress in Oceanography, 2017, 151, 206-226.	3.2	95
10	Effects of the presence of herring (Clupea harengus) on the stock-recruitment relationship of Barents Sea capelin (Mallotus villosus). Fisheries Research, 1998, 38, 57-71.	1.7	90
11	Food web dynamics affect Northeast Arctic cod recruitment. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 661-669.	2.6	81
12	The Norwegian ecosystem-based management plan for the Barents Sea. ICES Journal of Marine Science, 2007, 64, 599-602.	2.5	77
13	From single species surveys towards monitoring of the Barents Sea ecosystem. Progress in Oceanography, 2018, 166, 4-14.	3.2	70
14	A comparison of community and trophic structure in five marine ecosystems based on energy budgets and system metrics. Progress in Oceanography, 2009, 81, 47-62.	3.2	67
15	SPATIAL ANATOMY OF SPECIES SURVIVAL: EFFECTS OF PREDATION AND CLIMATE-DRIVEN ENVIRONMENTAL VARIABILITY. Ecology, 2007, 88, 635-646.	3.2	64
16	Growth of Barents Sea capelin (Mallotus villosus) in relation to zooplankton abundance. ICES Journal of Marine Science, 2002, 59, 959-967.	2.5	63
17	Atlantic cod (Gadus morhua) feeding over deep water in the high Arctic. Polar Biology, 2017, 40, 2105-2111.	1.2	62
18	A review of the battle for food in the Barents Sea: cod vs. marine mammals. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	60

#	Article	IF	Citations
19	Impact of grazing from capelin (Mallotus villosus) on zooplankton: a case study in the northern Barents Sea in August 1985. Polar Research, 1991, 10, 371-388.	1.6	59
20	A comparison of recent changes in distribution of capelin (Mallotus villosus) in the Barents Sea, around Iceland and in the Northwest Atlantic. Progress in Oceanography, 2013, 114, 64-83.	3.2	58
21	Norwegian fisheries in the Svalbard zone since 1980. Regulations, profitability and warming waters affect landings. Polar Science, 2016, 10, 312-322.	1.2	58
22	Assessment methodology for Barents Sea capelin, Mallotus villosus (MÃ¼ller). ICES Journal of Marine Science, 2002, 59, 1086-1095.	2.5	56
23	High Latitude Epipelagic and Mesopelagic Scattering Layersâ€"A Reference for Future Arctic Ecosystem Change. Frontiers in Marine Science, 2017, 4, .	2.5	51
24	Pelagic Fish and the Ecological Impact of the Modern Fishing Industry in the Barents Sea. Arctic, 1995, 48, .	0.4	51
25	Responses in spatial distribution of Barents Sea capelin to changes in stock size, ocean temperature and ice cover. Marine Biology Research, 2013, 9, 867-877.	0.7	50
26	Evidence of Diel Vertical Migration of Mesopelagic Sound-Scattering Organisms in the Arctic. Frontiers in Marine Science, 2017, 4, .	2.5	48
27	Polar cod in jeopardy under the retreating Arctic sea ice. Communications Biology, 2019, 2, 407.	4.4	46
28	Marine living resources of the Barents Sea â€" Ecosystem understanding and monitoring in a climate change perspective. Marine Biology Research, 2013, 9, 932-947.	0.7	45
29	A comparison of biological trends from four marine ecosystems: Synchronies, differences, and commonalities. Progress in Oceanography, 2009, 81, 29-46.	3.2	42
30	The Barents sea capelin stock 1972â€"1997. A synthesis of results from acoustic surveys. Sarsia, 1998, 83, 497-510.	0.5	41
31	DENSITY-DEPENDENT MIGRATORY WAVES IN THE MARINE PELAGIC ECOSYSTEM. Ecology, 2006, 87, 2915-2924.	3.2	40
32	Who eats whom in the Barents Sea: a food web topology from plankton to whales. Ecology, 2014, 95, 1430-1430.	3.2	40
33	Growth of the Barents Sea capelin,Mallotus villosus, in relation to climate. Environmental Biology of Fishes, 1987, 20, 293-300.	1.0	38
34	Reference point based management of Norwegian Atlantic salmon populations. Environmental Conservation, 2013, 40, 356-366.	1.3	36
35	Changes in the relationship between sea temperature and recruitment of cod, haddock and herring in the Barents Sea. Marine Biology Research, 2013, 9, 895-907.	0.7	36
36	Predation by cod (Gadus morhua) on capelin (Mallotus villosus) in the Barents Sea: implications for capelin stock assessment. Fisheries Research, 2001, 53, 197-209.	1.7	35

#	ARTICLE	IF	CITATIONS
37	Studying spatial and trophic interactions between capelin and cod using individual-based modelling. ICES Journal of Marine Science, 2004, 61, 1201-1213.	2.5	35
38	Predation on early life stages is decisive for year-class strength in the Barents Sea capelin (<i>Mallotus villosus</i>) stock. ICES Journal of Marine Science, 2016, 73, 182-195.	2.5	34
39	The acoustic method as used in the abundance estimation of capelin (Mallotus villosus MÃ¼ller) and herring (Clupea harengus LinnÃ©) in the Barents Sea. Fisheries Research, 1998, 34, 27-37.	1.7	32
40	Diet and food availability for north-east Atlantic minke whales (Balaenoptera acutorostrata), during the summer of 1992. ICES Journal of Marine Science, 1995, 52, 77-86.	2.5	30
41	Trophic interactions affecting a key ecosystem component: a multistage analysis of the recruitment of the Barents Sea capelin (Mallotus villosus). Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1363-1375.	1.4	30
42	A method for estimating the consumption of capelin by cod in the Barents Sea. ICES Journal of Marine Science, 1994, 51, 273-280.	2.5	29
43	A cross-ecosystem comparison of spatial and temporal patterns of covariation in the recruitment of functionally analogous fish stocks. Progress in Oceanography, 2009, 81, 63-92.	3.2	28
44	Recruitment in the Barents Sea, Icelandic, and eastern Newfoundland/Labrador capelin (Mallotus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	27
45	Possible vessel avoidance behaviour of capelin in a feeding area and on a spawning ground. Fisheries Research, 2004, 69, 251-261.	1.7	24
46	A retrospective evaluation of the Barents Sea capelin management advice. Marine Biology Research, 2015, 11, 135-143.	0.7	22
47	Key processes regulating the early life history of Barents Sea polar cod. Polar Biology, 2020, 43, 1015-1027.	1.2	20
48	Growth of polar cod, Boreogadus saida (Lepechin), in the Barents Sea. ICES Journal of Marine Science, 1994, 51, 115-120.	2.5	16
49	Sources of uncertainties in cod distribution models. Nature Climate Change, 2015, 5, 788-789.	18.8	15
50	Polar cod egg and larval drift patterns in the Svalbard archipelago. Polar Biology, 2020, 43, 1029-1042.	1.2	15
51	A deep scattering layer under the North Pole pack ice. Progress in Oceanography, 2021, 194, 102560.	3.2	15
52	Acoustic scattering layers reveal a faunal connection across the Fram Strait. Progress in Oceanography, 2020, 185, 102348.	3.2	13
53	A neural network approach for predicting stock abundance of the Barents Sea capelin. Sarsia, 1999, 84, 457-464.	0.5	12
54	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

#	Article	IF	Citations
55	Sea ice, temperature, and prey effects on annual variations in mean lengths of a key Arctic fish, Boreogadus saida, in the Barents Sea. ICES Journal of Marine Science, 2020, 77, 1796-1805.	2.5	11
56	Ecosystem-Based Management of Fish Species in the Barents Sea. , 0, , 333-352.		10
57	A comparison between abundance estimates of the Barents Sea capelin (Mallotus villosusMÃ¼ller) at the larval, 0-group and 1-group stage, for the year classes 1981â€“1994. ICES Journal of Marine Science, 1998, 55, 95-101.	2.5	9
58	Temporal stability of the maturation schedule of capelin<i>Mallotus villosus</i>in the Barents Sea. Aquatic Living Resources, 2012, 25, 151-161.	1.2	9
59	Study of the Arctic mesopelagic layer with vessel and profiling multifrequency acoustics. Progress in Oceanography, 2020, 182, 102260.	3.2	8
60	Size-fractioned zooplankton biomass in the Barents Sea: Spatial patterns and temporal variations during three decades of warming and strong fluctuations of the capelin stock (1989â€“2020). Progress in Oceanography, 2022, 206, 102852.	3.2	8
61	Population dynamic regulators in an empirical predator-prey system. Journal of Theoretical Biology, 2021, 527, 110814.	1.7	7
62	A logistic function to track time-dependent fish population dynamics. Fisheries Research, 2021, 236, 105840.	1.7	6
63	Harp seal body condition and trophic interactions with prey in Norwegian high Arctic waters in early autumn. Progress in Oceanography, 2021, 191, 102498.	3.2	5
64	Diel vertical movements determine spatial interactions between cod, pelagic fish and krill on an Arctic shelf bank. Marine Ecology - Progress Series, 2020, 638, 13-23.	1.9	5
65	Distribution of rorquals and Atlantic cod in relation to their prey in the Norwegian high Arctic. Polar Biology, 2021, 44, 761-782.	1.2	4
66	Recruitment variability of fish stocks in the Barents Sea: Spatial and temporal variation in 0-group fish length of six commercial species during recent decades of warming (1980â€“2017). Progress in Oceanography, 2022, 206, 102845.	3.2	4
67	Fifty years of Norwegian-Russian collaboration in marine research. Marine Biology Research, 2009, 5, 1-3.	0.7	3
68	Spatial and temporal patterns of capelin (Mallotus villosus) spawning sites in the Barents Sea. Fisheries Research, 2021, 244, 106117.	1.7	3