

# Olav Rune GodÅ,

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,041  
citations

147801

31  
h-index

175258

52  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2816  
citing authors

#	ARTICLE	IF	CITATIONS
1	MEASURING PROBABILISTIC REACTION NORMS FOR AGE AND SIZE AT MATURATION. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 669-678.	2.3	240
2	Mesoscale Eddies Are Oases for Higher Trophic Marine Life. <i>PLoS ONE</i> , 2012, 7, e30161.	2.5	190
3	Critical Population Density Triggers Rapid Formation of Vast Oceanic Fish Shoals. <i>Science</i> , 2009, 323, 1734-1737.	12.6	179
4	Migratory behaviour of north-east Arctic cod, studied by use of data storage tags. <i>Fisheries Research</i> , 2000, 48, 127-140.	1.7	125
5	Vertical structure, biomass and topographic association of deep-pelagic fishes in relation to a mid-ocean ridge system. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 161-184.	1.4	122
6	Escape of fish under the fishing line of a Norwegian sampling trawl and its influence on survey results. <i>ICES Journal of Marine Science</i> , 1989, 45, 269-276.	2.5	118
7	Krill, climate, and contrasting future scenarios for Arctic and Antarctic fisheries. <i>ICES Journal of Marine Science</i> , 2014, 71, 1934-1955.	2.5	93
8	Silent research vessels are not quiet. <i>Journal of the Acoustical Society of America</i> , 2007, 121, EL145-EL150.	1.1	82
9	Acoustic identification of marine species using a feature library. <i>Methods in Oceanography</i> , 2016, 17, 187-205.	1.6	80
10	Estimating reaction norms for age and size at maturation with reconstructed immature size distributions: a new technique illustrated by application to Northeast Arctic cod. <i>ICES Journal of Marine Science</i> , 2002, 59, 562-575.	2.5	77
11	Catchability of pelagic trawls for sampling deep-living nekton in the mid-North Atlantic. <i>ICES Journal of Marine Science</i> , 2011, 68, 377-389.	2.5	74
12	Diel migration and swimbladder resonance of small fish: some implications for analyses of multifrequency echo data. <i>ICES Journal of Marine Science</i> , 2009, 66, 1143-1148.	2.5	70
13	Investigating density-dependent catchability in bottom-trawl surveys. <i>ICES Journal of Marine Science</i> , 1999, 56, 292-298.	2.5	66
14	Towards an acoustic-based coupled observation and modelling system for monitoring and predicting ecosystem dynamics of the open ocean. <i>Fish and Fisheries</i> , 2013, 14, 605-615.	5.3	66
15	Growth and Maturation of Norwegian coastal cod and Northeast Arctic cod under different conditions. <i>Fisheries Research</i> , 1987, 5, 235-242.	1.7	65
16	The effect of different sweep lengths on the length composition of bottom-sampling trawl catches. <i>ICES Journal of Marine Science</i> , 1989, 45, 263-268.	2.5	62
17	Effect of tow duration on length composition of trawl catches. <i>Fisheries Research</i> , 1990, 9, 165-179.	1.7	57
18	Monitoring changes in abundance of gadoids with varying availability to trawl and acoustic surveys. <i>ICES Journal of Marine Science</i> , 1993, 50, 39-51.	2.5	54

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19	Incorporating experimentally derived estimates of survey trawl efficiency into the stock assessment process: a discussion. ICES Journal of Marine Science, 1999, 56, 299-302.	2.5	51
20	Fluctuation in stock properties of north-east Arctic cod related to long-term environmental changes. Fish and Fisheries, 2003, 4, 121-137.	5.3	49
21	Ocean Acoustic Waveguide Remote Sensing (OAWRS) of marine ecosystems. Marine Ecology - Progress Series, 2009, 395, 137-160.	1.9	48
22	Behavioral responses of herring ( <i>Clupea harengus</i> ) to 12 and 67kHz sonar signals and killer whale feeding sounds. Journal of the Acoustical Society of America, 2009, 125, 554-564.	1.1	43
23	Vast assembly of vocal marine mammals from diverse species on fish spawning ground. Nature, 2016, 531, 366-370.	27.8	42
24	Video Image Enhancement and Machine Learning Pipeline for Underwater Animal Detection and Classification at Cabled Observatories. Sensors, 2020, 20, 726.	3.8	40
25	The pilot project "Patterns and processes of the ecosystems of the northern Mid-Atlantic" aims, strategy and status. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2002, 25, 219-226.	0.7	39
26	Escapement of fish during bottom trawl sampling " implications for resource assessment. Fisheries Research, 1992, 13, 281-292.	1.7	36
27	Distribution, identity, and possible processes sustaining meso- and bathypelagic scattering layers on the northern Mid-Atlantic Ridge. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 45-58.	1.4	36
28	Diurnal variation in bottom trawl survey catches: does it pay to adjust?. Canadian Journal of Fisheries and Aquatic Sciences, 2002, 59, 33-48.	1.4	34
29	A review of the natural history, fisheries, and management of Greenland halibut ( <i>Reinhardtius</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 107 62-75.	2.5	33
30	Transplantation-tagging-experiments in preliminary studies of migration of cod off Norway. ICES Journal of Marine Science, 1995, 52, 955-962.	2.5	32
31	The LoVe Ocean Observatory is in Operation. Marine Technology Society Journal, 2014, 48, 24-30.	0.4	32
32	Behavior of captive herring exposed to naval sonar transmissions (1.0-1.6kHz) throughout a yearly cycle. Journal of the Acoustical Society of America, 2012, 131, 1632-1642.	1.1	30
33	Behaviour of mackerel schools during summer feeding migration in the Norwegian Sea, as observed from fishing vessel sonars. ICES Journal of Marine Science, 2004, 61, 1093-1099.	2.5	28
34	Migrations and hydrography determine the abundance fluctuations of blue whiting ( <i>Micromesistius poutassou</i> ) in the Barents Sea. Fisheries Oceanography, 2008, 17, 153-163.	1.7	28
35	Cabled ocean observatory data reveal food supply mechanisms to a cold-water coral reef. Progress in Oceanography, 2019, 172, 51-64.	3.2	28
36	Age at maturation predicted from routine scale measurements in Norwegian spring-spawning herring ( <i>Clupea harengus</i> ) using discriminant and neural network analyses. ICES Journal of Marine Science, 2003, 60, 304-313.	2.5	27

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37	Diel variations in acoustic recordings of blue whiting ( <i>Micromesistius poutassou</i> ). <i>ICES Journal of Marine Science</i> , 2007, 64, 1202-1209.	2.5	26
38	Temporal and spatial, spectral, and source level distributions of fin whale vocalizations in the Norwegian Sea observed with a coherent hydrophone array. <i>ICES Journal of Marine Science</i> , 2019, 76, 268-283.	2.5	26
39	Measuring the effect of changes in catchability on the variance of marine survey abundance indices. <i>Fisheries Research</i> , 1995, 23, 301-310.	1.7	25
40	Standardisation of commercial CPUE. <i>Fisheries Research</i> , 2001, 49, 271-281.	1.7	25
41	CCAMLR's precautionary approach to management focusing on Ross Sea toothfish fishery. <i>Antarctic Science</i> , 2015, 27, 333-340.	0.9	24
42	Diurnal variation in acoustic densities: why do we see less in the dark?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 2237-2254.	1.4	22
43	Detection, Localization and Classification of Multiple Mechanized Ocean Vessels over Continental-Shelf Scale Regions with Passive Ocean Acoustic Waveguide Remote Sensing. <i>Remote Sensing</i> , 2018, 10, 1699.	4.0	20
44	Ecological studies of marine mammals using a seabed-mounted echosounder. <i>ICES Journal of Marine Science</i> , 2009, 66, 1029-1036.	2.5	19
45	Bait defence behaviour of wolffish and its impact on long-line catch rates. <i>ICES Journal of Marine Science</i> , 1997, 54, 273-275.	2.5	18
46	Size selection during trawl sampling of cod and haddock and its effect on abundance indices at age. <i>Fisheries Research</i> , 1992, 13, 293-310.	1.7	16
47	Quantifying and reducing the surface blind zone and the seabed dead zone using new technology. <i>ICES Journal of Marine Science</i> , 2009, 66, 1370-1376.	2.5	16
48	A Flexible Autonomous Robotic Observatory Infrastructure for Benthic-Pelagic Monitoring. <i>Sensors</i> , 2020, 20, 1614.	3.8	16
49	Detecting Atlantic herring by parametric sonar. <i>Journal of the Acoustical Society of America</i> , 2010, 127, EL153-EL159.	1.1	14
50	Real time observation system for monitoring environmental impact on marine ecosystems from oil drilling operations. <i>Marine Pollution Bulletin</i> , 2014, 84, 236-250.	5.0	14
51	Measurements of underwater noise radiated by commercial ships at a cabled ocean observatory. <i>Marine Pollution Bulletin</i> , 2020, 153, 110948.	5.0	14
52	Predicting abundance indices in areas without coverage with a latent spatio-temporal Gaussian model. <i>ICES Journal of Marine Science</i> , 2021, 78, 2031-2042.	2.5	14
53	Effects of trawl sampling variability on precision of acoustic abundance estimates of gadoids from the Barents Sea and the Gulf of Alaska. <i>ICES Journal of Marine Science</i> , 1998, 55, 86-94.	2.5	13
54	Behaviour of herring ( <i>Clupea harengus</i> L.) towards an approaching autonomous underwater vehicle. <i>ICES Journal of Marine Science</i> , 2004, 61, 1044-1049.	2.5	13

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55	Fish behaviour relevant to fish catchability. ICES Journal of Marine Science, 2004, 61, 1238-1239.	2.5	12
56	Illumination of trawl gear by mechanically stimulated bioluminescence. Fisheries Research, 2006, 81, 276-282.	1.7	12
57	Factors affecting the diel variation in commercial CPUE of Namibian hake—Can new information improve standard survey estimates?. Fisheries Research, 2007, 88, 70-79.	1.7	12
58	The use of tagging studies to determine the optimal time for estimating acoustic abundance of spawning cod. Fisheries Research, 1989, 8, 129-140.	1.7	11
59	Decomposing and explaining the variability of bottom trawl survey data from the Barents Sea. Sarsia, 2004, 89, 196-210.	0.5	10
60	A comparison between vessel and trawl tracks as observed by the ITI trawl instrumentation. Fisheries Research, 2000, 45, 297-301.	1.7	9
61	Can the precision of bottom trawl indices be increased by using simultaneously collected acoustic data? The Barents Sea experience. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 1390-1402.	1.4	9
62	Instantaneous areal population density of entire Atlantic cod and herring spawning groups and group size distribution relative to total spawning population. Fish and Fisheries, 2019, 20, 201-213.	5.3	9
63	Voluntary actions by the Antarctic krill fishing industry help reduce potential negative impacts on land-based marine predators during breeding, highlighting the need for CCAMLR action. ICES Journal of Marine Science, 2022, 79, 1457-1466.	2.5	9
64	A revised target strength—length estimate for blue whiting ( <i>Micromesistius poutassou</i> ): implications for biomass estimates. ICES Journal of Marine Science, 2011, 68, 2222-2228.	2.5	8
65	The Effect of Attenuation from Fish Shoals on Long-Range, Wide-Area Acoustic Sensing in the Ocean. Remote Sensing, 2019, 11, 2464.	4.0	8
66	Quantitative analysis of fish reaction to towed fishing gears—What responses are important?. Fisheries Research, 2003, 63, 289-292.	1.7	7
67	Northward range extensions of some mesopelagic fishes in the Northeastern Atlantic. Sarsia, 2004, 89, 484-489.	0.5	7
68	Using acoustic technology to improve the modelling of the transportation and distribution of juvenile gadoids in the Barents Sea. ICES Journal of Marine Science, 2009, 66, 1048-1054.	2.5	7
69	Synchronous behaviour of cetaceans observed with active acoustics. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 98, 445-451.	1.4	7
70	Spatial structure in length at age of cod in the Barents Sea. Journal of Fish Biology, 2003, 62, 549-564.	1.6	6
71	Improving the precision of length frequency distribution estimates from trawl surveys by including spatial covariance—using Namibian <i>Merluccius capensis</i> as an example. Fisheries Research, 2003, 62, 7-20.	1.7	4
72	Technology Answers to the Requirements Set by the Ecosystem Approach. , 2009, , 373-403.		4

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73	Quantification of Wide-Area Norwegian Spring-Spawning Herring Population Density with Ocean Acoustic Waveguide Remote Sensing (OAWRS). <i>Remote Sensing</i> , 2021, 13, 4546.	4.0	4
74	The Effect of Attenuation from Fish on Passive Detection of Sound Sources in Ocean Waveguide Environments. <i>Remote Sensing</i> , 2021, 13, 4369.	4.0	3
75	<i>In situ</i> calibration of observatory broadband echosounders. <i>ICES Journal of Marine Science</i> , 2020, 77, 2954-2959.	2.5	1
76	Reliability of trawl surveys on cod in Norwegian fjords. <i>ICES Journal of Marine Science</i> , 2008, 65, 937-945.	2.5	0
77	Operational requirements for observing marine ecosystems with acoustics. , 2013, , .		0
78	The generalization of Gulland's method: How to estimate maturity ogives when juvenile data are missing while spawner demography is known. <i>Fisheries Research</i> , 2019, 219, 105265.	1.7	0