

Egil Ona

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,242
citations

361413

20
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic echograms generated from the relative frequency response. ICES Journal of Marine Science, 2003, 60, 636-640.	2.5	139
2	An expanded target-strength relationship for herring. ICES Journal of Marine Science, 2003, 60, 493-499.	2.5	126
3	Acoustic mapping of pelagic fish distribution and abundance in relation to a seismic shooting area off the Norwegian west coast. Fisheries Research, 2004, 67, 143-150.	1.7	98
4	Silent research vessels are not quiet. Journal of the Acoustical Society of America, 2007, 121, EL145-EL150.	1.1	82
5	Proposals for the collection of multifrequency acoustic data. ICES Journal of Marine Science, 2008, 65, 982-994.	2.5	82
6	Sounds from seismic air guns: gear- and species-specific effects on catch rates and fish distribution. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 1278-1291.	1.4	54
7	Marine ecosystem acoustics (MEA): quantifying processes in the sea at the spatio-temporal scales on which they occur. ICES Journal of Marine Science, 2014, 71, 2357-2369.	2.5	47
8	Target strengths of two abundant mesopelagic fish species. Journal of the Acoustical Society of America, 2015, 137, 989-1000.	1.1	45
9	Size-dependent frequency response of sandeel schools. ICES Journal of Marine Science, 2009, 66, 1100-1105.	2.5	39
10	Modelling the acoustic effect of swimbladder compression in herring. ICES Journal of Marine Science, 2003, 60, 548-554.	2.5	37
11	Acoustic backscattering by Atlantic mackerel as being representative of fish that lack a swimbladder. Backscattering by individual fish. ICES Journal of Marine Science, 2005, 62, 984-995.	2.5	33
12	Estimating and decomposing total uncertainty for survey-based abundance estimates of Norwegian spring-spawning herring. ICES Journal of Marine Science, 2007, 64, 1302-1312.	2.5	32
13	Calibration methods for two scientific multibeam systems. ICES Journal of Marine Science, 2009, 66, 1326-1334.	2.5	31
14	Feeding herring schools do not react to seismic air gun surveys. ICES Journal of Marine Science, 2013, 70, 1174-1180.	2.5	30
15	Modelling the effect of swimbladder compression on the acoustic backscattering from herring at normal or near-normal dorsal incidences. ICES Journal of Marine Science, 2003, 60, 1381-1391.	2.5	27
16	Acoustic backscatter by schools of adult Atlantic mackerel. ICES Journal of Marine Science, 2007, 64, 1145-1151.	2.5	27
17	Determining the extinction cross section of aggregating fish. Journal of the Acoustical Society of America, 1992, 91, 1983-1989.	1.1	24
18	Target strength and tilt-angle distribution of the lesser sandeel (<i>Ammodytes marinus</i>). ICES Journal of Marine Science, 2012, 69, 1099-1107.	2.5	24

#	ARTICLE	IF	CITATIONS
19	Correcting for vessel avoidance in acoustic-abundance estimates for herring. ICES Journal of Marine Science, 2008, 65, 1036-1045.	2.5	22
20	Measuring in situ krill tilt orientation by stereo photogrammetry: examples for Euphausia superba and Meganyctiphanes norvegica. ICES Journal of Marine Science, 2015, 72, 2494-2505.	2.5	22
21	Lateral-aspect, target-strength measurements of in situ herring (Clupea harengus). ICES Journal of Marine Science, 2009, 66, 1191-1196.	2.5	17
22	Differences in swimbladder volume between Baltic and Norwegian spring-spawning herring: Consequences for mean target strength. Fisheries Research, 2008, 92, 314-321.	1.7	16
23	Quantifying and reducing the surface blind zone and the seabed dead zone using new technology. ICES Journal of Marine Science, 2009, 66, 1370-1376.	2.5	16
24	Measurements of acoustic attenuation at 38kHz by wind-induced air bubbles with suggested correction factors for hull-mounted transducers. Fisheries Research, 2014, 151, 47-56.	1.7	16
25	A deep scattering layer under the North Pole pack ice. Progress in Oceanography, 2021, 194, 102560.	3.2	15
26	Broad bandwidth acoustic backscattering from sandeel measurements and finite element simulations. ICES Journal of Marine Science, 2014, 71, 1894-1903.	2.5	12
27	Remote sizing of fish-like targets using broadband acoustics. Fisheries Research, 2020, 228, 105568.	1.7	12
28	Estimating the volumes of fish schools from observations with multi-beam sonars. ICES Journal of Marine Science, 2017, 74, 813-821.	2.5	10
29	An introduction to the proceedings and a synthesis of the 2008 ICES Symposium on the Ecosystem Approach with Fisheries Acoustics and Complementary Technologies (SEAFACETS). ICES Journal of Marine Science, 2009, 66, 961-965.	2.5	9
30	Nonlinear crosstalk in broadband multi-channel echosounders. Journal of the Acoustical Society of America, 2021, 149, 87-101.	1.1	9
31	Effects of Sounds From Seismic Air Guns on Fish Behavior and Catch Rates. Advances in Experimental Medicine and Biology, 2012, 730, 415-419.	1.6	9
32	Measuring herring densities with one real and several phantom research vessels. ICES Journal of Marine Science, 2009, 66, 1264-1269.	2.5	8
33	A revised target strength length estimate for blue whiting (Micromesistius poutassou): implications for biomass estimates. ICES Journal of Marine Science, 2011, 68, 2222-2228.	2.5	8
34	Study of the Arctic mesopelagic layer with vessel and profiling multifrequency acoustics. Progress in Oceanography, 2020, 182, 102260.	3.2	8
35	Calibrating multibeam, wideband sonar with reference targets. , 2007, , ,		7
36	Field measurements of acoustic absorption in seawater from 38 to 360 kHz. Journal of the Acoustical Society of America, 2020, 148, 100-107.	1.1	7

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37	The use of an adaptive acoustic-survey design to estimate the abundance of highly skewed fish populations. ICES Journal of Marine Science, 2009, 66, 1349-1354.	2.5	6
38	Two mechanical rigs for field calibration of multi-beam fishery sonars. Methods in Oceanography, 2015, 13-14, 1-12.	1.6	5
39	Practical calibration of ship-mounted omni-directional fisheries sonars. Methods in Oceanography, 2016, 17, 206-220.	1.6	4
40	Estimating individual fish school biomass using digital omnidirectional sonars, applied to mackerel and herring. ICES Journal of Marine Science, 2021, 78, 940-951.	2.5	2
41	Measuring fish and zooplankton with a broadband split beam echo sounder. , 2013, , .		1
42	Evaluation of target angular position algorithms for multi-beam fishery sonars. Journal of the Acoustical Society of America, 2017, 141, 1074-1083.	1.1	1
43	<i>In situ</i> calibration of observatory broadband echosounders. ICES Journal of Marine Science, 2020, 77, 2954-2959.	2.5	1
44	Mesopelagic fish gas bladder elongation, as estimated from wideband acoustic backscattering measurements. Journal of the Acoustical Society of America, 2022, 151, 4073-4085.	1.1	1
45	Acoustic detection of the Greenland shark (<i>Somniosus microcephalus</i>) using multifrequency split beam echosounder in Svalbard waters. Progress in Oceanography, 2022, 206, 102842.	3.2	1
46	Corrigendum to: Estimating individual fish school biomass using digital omnidirectional sonars, applied to mackerel and herring. ICES Journal of Marine Science, 2021, 78, 1174-1174.	2.5	0