

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	Mesopelagic fish gas bladder elongation, as estimated from wideband acoustic backscattering measurements. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 4073-4085.	1.1	1
2	Acoustic detection of the Greenland shark (<i>Somniosus microcephalus</i>) using multifrequency split beam echosounder in Svalbard waters. <i>Progress in Oceanography</i> , 2022, 206, 102842.	3.2	1
3	Nonlinear crosstalk in broadband multi-channel echosounders. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 87-101.	1.1	9
4	Corrigendum to: Estimating individual fish school biomass using digital omnidirectional sonars, applied to mackerel and herring. <i>ICES Journal of Marine Science</i> , 2021, 78, 1174-1174.	2.5	0
5	A deep scattering layer under the North Pole pack ice. <i>Progress in Oceanography</i> , 2021, 194, 102560.	3.2	15
6	Estimating individual fish school biomass using digital omnidirectional sonars, applied to mackerel and herring. <i>ICES Journal of Marine Science</i> , 2021, 78, 940-951.	2.5	2
7	<i>In situ</i> calibration of observatory broadband echosounders. <i>ICES Journal of Marine Science</i> , 2020, 77, 2954-2959.	2.5	1
8	Field measurements of acoustic absorption in seawater from 38 to 360 kHz. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 100-107.	1.1	7
9	Remote sizing of fish-like targets using broadband acoustics. <i>Fisheries Research</i> , 2020, 228, 105568.	1.7	12
10	Study of the Arctic mesopelagic layer with vessel and profiling multifrequency acoustics. <i>Progress in Oceanography</i> , 2020, 182, 102260.	3.2	8
11	Estimating the volumes of fish schools from observations with multi-beam sonars. <i>ICES Journal of Marine Science</i> , 2017, 74, 813-821.	2.5	10
12	Evaluation of target angular position algorithms for multi-beam fishery sonars. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1074-1083.	1.1	1
13	Practical calibration of ship-mounted omni-directional fisheries sonars. <i>Methods in Oceanography</i> , 2016, 17, 206-220.	1.6	4
14	Two mechanical rigs for field calibration of multi-beam fishery sonars. <i>Methods in Oceanography</i> , 2015, 13-14, 1-12.	1.6	5
15	Target strengths of two abundant mesopelagic fish species. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 989-1000.	1.1	45
16	Measuring in situ krill tilt orientation by stereo photogrammetry: examples for <i>Euphausia superba</i> and <i>Meganyctiphanes norvegica</i> . <i>ICES Journal of Marine Science</i> , 2015, 72, 2494-2505.	2.5	22
17	Broad bandwidth acoustic backscattering from sandeel measurements and finite element simulations. <i>ICES Journal of Marine Science</i> , 2014, 71, 1894-1903.	2.5	12
18	Marine ecosystem acoustics (MEA): quantifying processes in the sea at the spatio-temporal scales on which they occur. <i>ICES Journal of Marine Science</i> , 2014, 71, 2357-2369.	2.5	47

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19	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
20	Feeding herring schools do not react to seismic air gun surveys. ICES Journal of Marine Science, 2013, 70, 1174-1180.	2.5	30
21	Measuring fish and zooplankton with a broadband split beam echo sounder. , 2013, , .		1
22	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
23	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
24	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
25	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
26	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
27	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
28	Size-dependent frequency response of sandeel schools. ICES Journal of Marine Science, 2009, 66, 1100-1105.	2.5	39
29	Measuring herring densities with one real and several phantom research vessels. ICES Journal of Marine Science, 2009, 66, 1264-1269.	2.5	8
30	Lateral-aspect, target-strength measurements of in situ herring (<i>Clupea harengus</i>). ICES Journal of Marine Science, 2009, 66, 1191-1196.	2.5	17
31	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
32	Calibration methods for two scientific multibeam systems. ICES Journal of Marine Science, 2009, 66, 1326-1334.	2.5	31
33	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
34	Proposals for the collection of multifrequency acoustic data. ICES Journal of Marine Science, 2008, 65, 982-994.	2.5	82
35	Correcting for vessel avoidance in acoustic-abundance estimates for herring. ICES Journal of Marine Science, 2008, 65, 1036-1045.	2.5	22
36	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

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37	Acoustic backscatter by schools of adult Atlantic mackerel. ICES Journal of Marine Science, 2007, 64, 1145-1151.	2.5	27
38	Calibrating multibeam, wideband sonar with reference targets. , 2007, , .		7
39	Silent research vessels are not quiet. Journal of the Acoustical Society of America, 2007, 121, EL145-EL150.	1.1	82
40	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
41	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
42	Modelling the acoustic effect of swimbladder compression in herring. ICES Journal of Marine Science, 2003, 60, 548-554.	2.5	37
43	Synthetic echograms generated from the relative frequency response. ICES Journal of Marine Science, 2003, 60, 636-640.	2.5	139
44	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
45	An expanded target-strength relationship for herring. ICES Journal of Marine Science, 2003, 60, 493-499.	2.5	126
46	Determining the extinction cross section of aggregating fish. Journal of the Acoustical Society of America, 1992, 91, 1983-1989.	1.1	24