

Alex De Robertis

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,280
citations

218677

26
h-index

223800

46
g-index

56
all docs

56
docs citations

56
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous vehicle surveys indicate that flow reversals retain juvenile fishes in a highly advective high-latitude ecosystem. <i>Limnology and Oceanography</i> , 2021, 66, 1139-1154.	3.1	15
2	Uncrewed surface vehicle (USV) survey of walleye pollock, <i>Gadus chalcogrammus</i> , in response to the cancellation of ship-based surveys. <i>ICES Journal of Marine Science</i> , 2021, 78, 2797-2808.	2.5	10
3	Evidence suggests potential transformation of the Pacific Arctic ecosystem is underway. <i>Nature Climate Change</i> , 2020, 10, 342-348.	18.8	180
4	Verification of historical smooth sheet bathymetry for the Gulf of Alaska – Integrated Ecosystem Research Program. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 165, 292-302.	1.4	5
5	Long-term measurements of fish backscatter from Saildrone unmanned surface vehicles and comparison with observations from a noise-reduced research vessel. <i>ICES Journal of Marine Science</i> , 2019, 76, 2459-2470.	2.5	40
6	Amplifier linearity accounts for discrepancies in echo-integration measurements from two widely used echosounders. <i>ICES Journal of Marine Science</i> , 2019, 76, 1882-1892.	2.5	12
7	Don't work too hard: Subsampling leads to efficient analysis of large acoustic datasets. <i>Fisheries Research</i> , 2019, 219, 105323.	1.7	6
8	Spatio-temporal distribution of polar cod (<i>Boreogadus saida</i>) and saffron cod (<i>Eleginus gracilis</i>) early life stages in the Pacific Arctic. <i>Polar Biology</i> , 2019, 42, 969-990.	1.2	22
9	Inshore acoustic surveys in the eastern and central Gulf of Alaska. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 165, 255-267.	1.4	3
10	Can a bottom-moored echo sounder array provide a survey-comparable index of abundance?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 629-640.	1.4	12
11	Broadband echosounder measurements of the frequency response of fishes and euphausiids in the Gulf of Alaska. <i>ICES Journal of Marine Science</i> , 2018, 75, 1131-1142.	2.5	36
12	A method for computing volumetric fish density using stereo cameras. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 508, 21-26.	1.5	14
13	Abundance and distribution of Arctic cod (<i>Boreogadus saida</i>) and other pelagic fishes over the U.S. Continental Shelf of the Northern Bering and Chukchi Seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 51-65.	1.4	67
14	Species and size selectivity of two midwater trawls used in an acoustic survey of the Alaska Arctic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 40-50.	1.4	30
15	Late summer zoogeography of the northern Bering and Chukchi seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 168-189.	1.4	38
16	Combining bottom trawls and acoustics in a diverse semipelagic environment: What is the contribution of walleye pollock (<i>Gadus chalcogrammus</i>) to near-bottom acoustic backscatter in the eastern Bering Sea?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 256-264.	1.4	5
17	Advances in Ecosystem Research: Saildrone Surveys of Oceanography, Fish, and Marine Mammals in the Bering Sea. <i>Oceanography</i> , 2017, 30, .	1.0	60
18	Euphausiids in the eastern Bering Sea: A synthesis of recent studies of euphausiid production, consumption and population control. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 134, 204-222.	1.4	29

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19	Investigating the Effect of Tones and Frequency Sweeps on the Collective Behavior of Penned Herring (<i>Clupea harengus</i>). <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 391-398.	1.6	2
20	The reaction of a captive herring school to playbacks of a noise-reduced and a conventional research vessel. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 491-499.	1.4	5
21	Effect of underwater lighting on observations of density and behavior of rockfish during camera surveys. <i>Fisheries Research</i> , 2015, 172, 157-167.	1.7	21
22	Using dive behavior and active acoustics to assess prey use and partitioning by fin and humpback whales near Kodiak Island, Alaska. <i>Marine Mammal Science</i> , 2015, 31, 255-278.	1.8	21
23	An underwater stereo-camera trap. <i>Methods in Oceanography</i> , 2014, 11, 1-12.	1.6	27
24	In situ target strength measurements of the scyphomedusa <i>Chrysaora melanaster</i> . <i>Fisheries Research</i> , 2014, 153, 18-23.	1.7	20
25	Experimental Evidence of Threat-Sensitive Collective Avoidance Responses in a Large Wild-Caught Herring School. <i>PLoS ONE</i> , 2014, 9, e86726.	2.5	24
26	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
27	Combining bottom trawl and acoustic data to model acoustic dead zone correction and bottom trawl efficiency parameters for semipelagic species. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 208-219.	1.4	29
28	Underwater radiated noise measurements of a noise-reduced fisheries research vessel. <i>ICES Journal of Marine Science</i> , 2013, 70, 480-484.	2.5	3
29	Fish avoidance of research vessels and the efficacy of noise-reduced vessels: a review. <i>ICES Journal of Marine Science</i> , 2013, 70, 34-45.	2.5	100
30	Estimating oil concentration and flow rate with calibrated vessel-mounted acoustic echo sounders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20240-20245.	7.1	36
31	Distribution of fish and macrozooplankton in ice-covered and open-water areas of the eastern Bering Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 65-70, 217-229.	1.4	30
32	Developing an acoustic survey of euphausiids to understand trophic interactions in the Bering Sea ecosystem. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 65-70, 184-195.	1.4	77
33	Do Silent Ships See More Fish? Comparison of a Noise-Reduced and a Conventional Research Vessel in Alaska. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 331-334.	1.6	2
34	Underwater radiated noise measurements of a noise-reduced research vessel: comparison between a US Navy noise range and a simple hydrophone mooring. <i>Proceedings of Meetings on Acoustics</i> , 2011, , .	0.3	4
35	Silent ships do not always encounter more fish (revisited): comparison of acoustic backscatter from walleye pollock recorded by a noise-reduced and a conventional research vessel in the eastern Bering Sea. <i>ICES Journal of Marine Science</i> , 2011, 68, 2229-2239.	2.5	14
36	Body size dependence of euphausiid spatial patchiness. <i>Limnology and Oceanography</i> , 2010, 55, 777-788.	3.1	9

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37	Development and application of an empirical multifrequency method for backscatter classification. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1459-1474.	1.4	126
38	Silent ships sometimes do encounter more fish. 1. Vessel comparisons during winter pollock surveys. ICES Journal of Marine Science, 2010, 67, 985-995.	2.5	20
39	Silent ships sometimes do encounter more fish. 2. Concurrent echosounder observations from a free-drifting buoy and vessels. ICES Journal of Marine Science, 2010, 67, 996-1003.	2.5	18
40	Assessing habitat utilization and rockfish (<i>Sebastes</i> spp.) biomass on an isolated rocky ridge using acoustics and stereo image analysis. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1658-1670.	1.4	31
41	Body size dependence of euphausiid spatial patchiness. Limnology and Oceanography, 2010, 55, 777-788.	3.1	15
42	The effect of light intensity on the availability of walleye pollock (<i>Theragra chalcogramma</i>) to bottom trawl and acoustic surveys. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 983-994.	1.4	39
43	Weightâ€Length Relationships in Fisheries Studies: The Standard Allometric Model Should Be Applied with Caution. Transactions of the American Fisheries Society, 2008, 137, 707-719.	1.4	61
44	INTERVESSEL COMPARISON OF WALLEYE POLLOCK ACOUSTIC BACKSCATTER RECORDED BY A NOISE-REDUCED AND A CONVENTIONAL RESEARCH VESSEL. Bioacoustics, 2008, 17, 228-230.	1.7	0
45	Silent ships do not always encounter more fish: comparison of acoustic backscatter recorded by a noise-reduced and a conventional research vessel. ICES Journal of Marine Science, 2008, 65, 623-635.	2.5	42
46	A post-processing technique to estimate the signal-to-noise ratio and remove echosounder background noise. ICES Journal of Marine Science, 2007, 64, 1282-1291.	2.5	223
47	Walleye pollock respond to trawling vessels. ICES Journal of Marine Science, 2006, 63, 514-522.	2.5	32
48	Differential effects of turbidity on prey consumption of piscivorous and planktivorous fish. Canadian Journal of Fisheries and Aquatic Sciences, 2003, 60, 1517-1526.	1.4	263
49	Mass Mortality of Krill Caused by Parasitoid Ciliates. Science, 2003, 301, 339-339.	12.6	73
50	Acoustic observations of the swimming behavior of the euphausiid <i>Euphausia pacifica</i> Hansen. ICES Journal of Marine Science, 2003, 60, 885-898.	2.5	52
51	Sizeâ€dependent visual predation risk and the timing of vertical migration: An optimization model. Limnology and Oceanography, 2002, 47, 925-933.	3.1	108
52	Sizeâ€dependent visual predation risk and the timing of vertical migration in zooplankton. Limnology and Oceanography, 2000, 45, 1838-1844.	3.1	80
53	Sonar estimates of daytime activity levels of <i>Euphausia pacifica</i> in Saanich Inlet. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 2000-2010.	1.4	21