Alex De Robertis

List of Publications by Year
in descending order

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	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
2	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
3	Evidence suggests potential transformation of the Pacific Arctic ecosystem is underway. Nature Climate Change, 2020, 10, 342-348.	18.8	180
4	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
5	Sizeâ€dependent visual predation risk and the timing of vertical migration: An optimization model. Limnology and Oceanography, 2002, 47, 925-933.	3.1	108
6	Fish avoidance of research vessels and the efficacy of noise-reduced vessels: a review. ICES Journal of Marine Science, 2013, 70, 34-45.	2.5	100
7	Sizeâ€dependent visual predation risk and the timing of vertical migration in zooplankton. Limnology and Oceanography, 2000, 45, 1838-1844.	3.1	80
8	Developing an acoustic survey of euphausiids to understand trophic interactions in the Bering Sea ecosystem. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 65-70, 184-195.	1.4	77
9	Mass Mortality of Krill Caused by Parasitoid Ciliates. Science, 2003, 301, 339-339.	12.6	73
10	Abundance and distribution of Arctic cod (Boreogadus saida) and other pelagic fishes over the U.S. Continental Shelf of the Northern Bering and Chukchi Seas. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 135, 51-65.	1.4	67
11	Towards an acousticâ€based coupled observation and modelling system for monitoring and predicting ecosystem dynamics of the open ocean. Fish and Fisheries, 2013, 14, 605-615.	5.3	66
12	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
13	Advances in Ecosystem Research: Saildrone Surveys of Oceanography, Fish, and Marine Mammals in the Bering Sea. Oceanography, 2017, 30, .	1.0	60
14	Acoustic observations of the swimming behavior of the euphausiid Euphausia pacifica Hansen. ICES Journal of Marine Science, 2003, 60, 885-898.	2.5	52
15	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
16	Long-term measurements of fish backscatter from Saildrone unmanned surface vehicles and comparison with observations from a noise-reduced research vessel. ICES Journal of Marine Science, 2019, 76, 2459-2470.	2.5	40
17	The effect of light intensity on the availability of walleye pollock (Theragra chalcogramma) to bottom trawl and acoustic surveys. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 983-994.	1.4	39
18	Late summer zoogeography of the northern Bering and Chukchi seas. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 135, 168-189.	1.4	38

#	Article	IF	Citations
19	Estimating oil concentration and flow rate with calibrated vessel-mounted acoustic echo sounders. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20240-20245.	7.1	36
20	Broadband echosounder measurements of the frequency response of fishes and euphausiids in the Gulf of Alaska. ICES Journal of Marine Science, 2018, 75, 1131-1142.	2.5	36
21	Walleye pollock respond to trawling vessels. ICES Journal of Marine Science, 2006, 63, 514-522.	2.5	32
22	Assessing habitat utilization and rockfish (Sebastes 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
23	Distribution of fish and macrozooplankton in ice-covered and open-water areas of the eastern Bering Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 65-70, 217-229.	1.4	30
24	Species and size selectivity of two midwater trawls used in an acoustic survey of the Alaska Arctic. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 135, 40-50.	1.4	30
25	Combining bottom trawl and acoustic data to model acoustic dead zone correction and bottom trawl efficiency parameters for semipelagic species. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 208-219.	1.4	29
26	Euphausiids in the eastern Bering Sea: A synthesis of recent studies of euphausiid production, consumption and population control. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 134, 204-222.	1.4	29
27	An underwater stereo-camera trap. Methods in Oceanography, 2014, 11, 1-12.	1.6	27
28	Experimental Evidence of Threat-Sensitive Collective Avoidance Responses in a Large Wild-Caught Herring School. PLoS ONE, 2014, 9, e86726.	2.5	24
29	Spatio-temporal distribution of polar cod (Boreogadus saida) and saffron cod (Eleginus gracilis) early life stages in the Pacific Arctic. Polar Biology, 2019, 42, 969-990.	1.2	22
30	Sonar estimates of daytime activity levels of Euphausia pacifica in Saanich Inlet. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 2000-2010.	1.4	21
31	Effect of underwater lighting on observations of density and behavior of rockfish during camera surveys. Fisheries Research, 2015, 172, 157-167.	1.7	21
32	Using dive behavior and active acoustics to assess prey use and partitioning by fin and humpback whales near Kodiak Island, Alaska. Marine Mammal Science, 2015, 31, 255-278.	1.8	21
33	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
34	In situ target strength measurements of the scyphomedusa Chrysaora melanaster. Fisheries Research, 2014, 153, 18-23.	1.7	20
35	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
36	Autonomous vehicle surveys indicate that flow reversals retain juvenile fishes in a highly advective highâ€latitude ecosystem. Limnology and Oceanography, 2021, 66, 1139-1154.	3.1	15

#	Article	IF	Citations
37	Body size dependence of euphausiid spatial patchiness. Limnology and Oceanography, 2010, 55, 777-788.	3.1	15
38	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. ICES Journal of Marine Science, 2011, 68, 2229-2239.	2.5	14
39	A method for computing volumetric fish density using stereo cameras. Journal of Experimental Marine Biology and Ecology, 2018, 508, 21-26.	1.5	14
40	Can a bottom-moored echo sounder array provide a survey-comparable index of abundance?. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 629-640.	1.4	12
41	Amplifier linearity accounts for discrepancies in echo-integration measurements from two widely used echosounders. ICES Journal of Marine Science, 2019, 76, 1882-1892.	2.5	12
42	Uncrewed surface vehicle (USV) survey of walleye pollock, Gadus chalcogrammus, in response to the cancellation of ship-based surveys. ICES Journal of Marine Science, 2021, 78, 2797-2808.	2.5	10
43	Body size dependence of euphausiid spatial patchiness. Limnology and Oceanography, 2010, 55, 777-788.	3.1	9
44	Donâ€™t work too hard: Subsampling leads to efficient analysis of large acoustic datasets. Fisheries Research, 2019, 219, 105323.	1.7	6
45	The reaction of a captive herring school to playbacks of a noise-reduced and a conventional research vessel. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 491-499.	1.4	5
46	Combining bottom trawls and acoustics in a diverse semipelagic environment: What is the contribution of walleye pollock (Gadus chalcogrammus) to near-bottom acoustic backscatter in the eastern Bering Sea?. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 256-264.	1.4	5
47	Verification of historical smooth sheet bathymetry for the Gulf of Alaska â€“ Integrated Ecosystem Research Program. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 165, 292-302.	1.4	5
48	Underwater radiated noise measurements of a noise-reduced research vessel: comparison between a US Navy noise range and a simple hydrophone mooring.. Proceedings of Meetings on Acoustics, 2011, , .	0.3	4
49	Underwater radiated noise measurements of a noise-reduced fisheries research vessel. ICES Journal of Marine Science, 2013, 70, 480-484.	2.5	3
50	Inshore acoustic surveys in the eastern and central Gulf of Alaska. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 165, 255-267.	1.4	3
51	Do Silent Ships See More Fish? Comparison of a Noise-Reduced and a Conventional Research Vessel in Alaska. Advances in Experimental Medicine and Biology, 2012, 730, 331-334.	1.6	2
52	Investigating the Effect of Tones and Frequency Sweeps on the Collective Behavior of Penned Herring (Clupea harengus). Advances in Experimental Medicine and Biology, 2016, 875, 391-398.	1.6	2
53	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