

# Lisa L Loseto

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

2,813  
citations

279798

23  
h-index

189892

50  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2945  
citing authors

#	ARTICLE	IF	CITATIONS
1	How does climate change influence arctic mercury?. <i>Science of the Total Environment</i> , 2012, 414, 22-42.	8.0	198
2	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. <i>Science of the Total Environment</i> , 2019, 696, 133792.	8.0	184
3	Recent progress on our understanding of the biological effects of mercury in fish and wildlife in the Canadian Arctic. <i>Science of the Total Environment</i> , 2015, 509-510, 91-103.	8.0	156
4	Mercury in Arctic marine ecosystems: Sources, pathways and exposure. <i>Environmental Research</i> , 2012, 119, 64-87.	7.5	135
5	Microplastics in beluga whales ( <i>Delphinapterus leucas</i> ) from the Eastern Beaufort Sea. <i>Marine Pollution Bulletin</i> , 2020, 150, 110723.	5.0	129
6	Summer diet of beluga whales inferred by fatty acid analysis of the eastern Beaufort Sea food web. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 374, 12-18.	1.5	126
7	Trophodynamics of Some PFCs and BFRs in a Western Canadian Arctic Marine Food Web. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4076-4081.	10.0	124
8	Segregation of Beaufort Sea beluga whales during the open-water season. <i>Canadian Journal of Zoology</i> , 2006, 84, 1743-1751.	1.0	108
9	The fate of mercury in Arctic terrestrial and aquatic ecosystems, a review. <i>Environmental Chemistry</i> , 2012, 9, 321.	1.5	106
10	Mercury in the marine environment of the Canadian Arctic: Review of recent findings. <i>Science of the Total Environment</i> , 2015, 509-510, 67-90.	8.0	106
11	Linking mercury exposure to habitat and feeding behaviour in Beaufort Sea beluga whales. <i>Journal of Marine Systems</i> , 2008, 74, 1012-1024.	2.1	103
12	Effect of Dissolved Organic Carbon on the Photoproduction of Dissolved Gaseous Mercury in Lakes:Â Potential Impacts of Forestry. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2664-2672.	10.0	85
13	Snowmelt Sources of Methylmercury to High Arctic Ecosystems. <i>Environmental Science &amp; Technology</i> , 2004, 38, 3004-3010.	10.0	83
14	METHYLMERCURY PRODUCTION IN HIGH ARCTIC WETLANDS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 17.	4.3	77
15	Size and Biomagnification: How Habitat Selection Explains Beluga Mercury Levels. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3982-3988.	10.0	74
16	Diet differences among age classes of Arctic seals: evidence from stable isotope and mercury biomarkers. <i>Polar Biology</i> , 2010, 33, 153-162.	1.2	64
17	Bowhead whale <i>Balaena mysticetus</i> seasonal selection of sea ice. <i>Marine Ecology - Progress Series</i> , 2010, 411, 285-297.	1.9	60
18	Transplacental transfer of polychlorinated biphenyls and polybrominated diphenyl ethers in arctic beluga whales ( <i>Delphinapterus leucas</i> ). <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 296-300.	4.3	57

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19	Latitudinal variation in ecological opportunity and intraspecific competition indicates differences in niche variability and diet specialization of Arctic marine predators. <i>Ecology and Evolution</i> , 2016, 6, 1666-1678.	1.9	56
20	Mercury toxicity in beluga whale lymphocytes: Limited effects of selenium protection. <i>Aquatic Toxicology</i> , 2012, 109, 185-193.	4.0	53
21	Abundance and species diversity hotspots of tracked marine predators across the North American Arctic. <i>Diversity and Distributions</i> , 2019, 25, 328-345.	4.1	42
22	Variation in the diet of beluga whales in response to changes in prey availability: insights on changes in the Beaufort Sea ecosystem. <i>Marine Ecology - Progress Series</i> , 2020, 647, 195-210.	1.9	36
23	PCBs Are Associated With Altered Gene Transcript Profiles in Arctic Beluga Whales ( <i>Delphinapterus leucas</i> ). <i>Environmental Science &amp; Technology</i> , 2014, 48, 2942-2951.	10.0	34
24	Climate change impacts on sea-ice ecosystems and associated ecosystem services. <i>Elementa</i> , 2021, 9, .	3.2	26
25	Trophic variability of Arctic fishes in the Canadian Beaufort Sea: a fatty acids and stable isotopes approach. <i>Polar Biology</i> , 2016, 39, 1267-1282.	1.2	24
26	Microplastics in beluga whale ( <i>Delphinapterus leucas</i> ) prey: An exploratory assessment of trophic transfer in the Beaufort Sea. <i>Science of the Total Environment</i> , 2022, 806, 150201.	8.0	24
27	Beluga whales ( <i>Delphinapterus leucas</i> ), environmental change and marine protected areas in the Western Canadian Arctic. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 212, 128-137.	2.1	23
28	Are Methylmercury Concentrations in the Wetlands of Kejimikujik National Park, Nova Scotia, Canada, Dependent on Geology?. <i>Journal of Environmental Quality</i> , 2003, 32, 2085-2094.	2.0	21
29	Assessment of claw growth-layer groups from ringed seals ( <i>Pusa hispida</i> ) as biomonitors of inter- and intra-annual Hg, $\delta^{15}\text{N}$ , and $\delta^{13}\text{C}$ variation. <i>Canadian Journal of Zoology</i> , 2011, 89, 774-784.	1.0	21
30	Spring conditions and habitat use of beluga whales ( <i>Delphinapterus leucas</i> ) during arrival to the Mackenzie River Estuary. <i>Polar Biology</i> , 2016, 39, 2319-2334.	1.2	21
31	“That’s how we know they’re healthy” the inclusion of traditional ecological knowledge in beluga health monitoring in the Inuvialuit Settlement Region. <i>Arctic Science</i> , 0, , 1-29.	2.3	20
32	Inter-annual variation in environmental factors affect the prey and body condition of beluga whales in the eastern Beaufort Sea. <i>Marine Ecology - Progress Series</i> , 2017, 579, 213-225.	1.9	20
33	Vitamin A and E profiles as biomarkers of PCB exposure in beluga whales ( <i>Delphinapterus leucas</i> ) from the western Canadian Arctic. <i>Aquatic Toxicology</i> , 2013, 142-143, 317-328.	4.0	19
34	Intestinal polycyclic aromatic hydrocarbon-DNA adducts in a population of beluga whales with high levels of gastrointestinal cancers. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 29-41.	2.2	19
35	Inuvialuit traditional ecological knowledge of beluga whale ( <i>Delphinapterus leucas</i> ) under changing climatic conditions in Tuktoyaktuk, NT. <i>Arctic Science</i> , 0, , 1-17.	2.3	18
36	Potential exposure of beluga and bowhead whales to underwater noise from ship traffic in the Beaufort and Chukchi Seas. <i>Ocean and Coastal Management</i> , 2021, 204, 105473.	4.4	18

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37	Beluga Vocalizations Decrease in Response to Vessel Traffic in the Mackenzie River Estuary. <i>Arctic</i> , 2019, 72, 337-346.	0.4	17
38	Organic Contaminants in Marine Mammals. , 2011, , 349-376.		16
39	A comparison of the trophic ecology of Beaufort Sea Gadidae using fatty acids and stable isotopes. <i>Polar Biology</i> , 2018, 41, 149-162.	1.2	15
40	Social-ecological changes and implications for understanding the declining beluga whale ( <i>Delphinapterus leucas</i> ) harvest in Aklavik, Northwest Territories. <i>Arctic Science</i> , 2020, 6, 229-246.	2.3	15
41	Ecological niche of coastal Beaufort Sea fishes defined by stable isotopes and fatty acids. <i>Marine Ecology - Progress Series</i> , 2016, 559, 159-173.	1.9	15
42	Temporal trends of mercury in Arctic biota: 10 more years of progress in Arctic monitoring. <i>Science of the Total Environment</i> , 2022, 839, 155803.	8.0	15
43	Belugas in the Mackenzie River estuary, NT, Canada: Habitat use and hot spots in the Tarium Niruyutait Marine Protected Area. <i>Ocean and Coastal Management</i> , 2014, 100, 128-138.	4.4	14
44	Body condition impacts blood and muscle oxygen storage capacity of free-living beluga whales ( <i>Delphinapterus leucas</i> ). <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	14
45	Diet and feeding observations from an unusual beluga harvest in 2014 near Ulukhaktok, Northwest Territories, Canada. <i>Arctic Science</i> , 2018, , 1-11.	2.3	13
46	Oceanographic, ecological, and socio-economic impacts of an unusual summer storm in the Mackenzie Estuary. <i>Arctic Science</i> , 2020, 6, 62-76.	2.3	13
47	Environmental drivers of beluga whale <i>Delphinapterus leucas</i> habitat use in the Mackenzie Estuary, Northwest Territories, Canada. <i>Marine Ecology - Progress Series</i> , 2019, 626, 209-226.	1.9	13
48	Year-Round Dive Characteristics of Male Beluga Whales From the Eastern Beaufort Sea Population Indicate Seasonal Shifts in Foraging Strategies. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	13
49	Lipid removal and acidification affect nitrogen and carbon stable isotope ratios of beluga whales ( <i>Delphinapterus leucas</i> ) and their potential prey species in the Beaufort Sea ecosystem. <i>Marine Biology</i> , 2016, 163, 1.	1.5	12
50	Beluga whale stewardship and collaborative research practices among Indigenous peoples in the Arctic. <i>Polar Research</i> , 0, 40, .	1.6	12
51	A comparison of diet estimates of captive beluga whales using fatty acid mixing models with their true diets. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 516, 132-139.	1.5	11
52	Indigenous participation in peer review publications and the editorial process: reflections from a workshop. <i>Arctic Science</i> , 2020, 6, 352-360.	2.3	10
53	Contributions and perspectives of Indigenous Peoples to the study of mercury in the Arctic. <i>Science of the Total Environment</i> , 2022, 841, 156566.	8.0	10
54	Effects of preparation on nutrient and environmental contaminant levels in Arctic beluga whale ( <i>Delphinapterus leucas</i> ) traditional foods. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1000-1015.	3.5	9

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55	Estimating narwhal ( <i>Monodon monoceros</i> ) age using tooth layers and aspartic acid racemization of eye lens nuclei. <i>Marine Mammal Science</i> , 2020, 36, 103-115.	1.8	8
56	The summer soundscape of a shallow-water estuary used by beluga whales in the western Canadian Arctic. <i>Arctic Science</i> , 2020, 6, 361-383.	2.3	8
57	Beluga whale <i>Delphinapterus leucas</i> late summer habitat use and support for foraging areas in the Canadian Beaufort Sea. <i>Marine Ecology - Progress Series</i> , 2017, 574, 243-257.	1.9	8
58	Marine mammal hotspots across the circumpolar Arctic. <i>Diversity and Distributions</i> , 2022, 28, 2729-2753.	4.1	8
59	METABOLIC TRANSFORMATION SHAPES POLYCHLORINATED BIPHENYL AND POLYBROMINATED DIPHENYL ETHER PATTERNS IN BELUGA WHALES ( <i>DELPHINAPTERUS LEUCAS</i> ). <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1132-1142.	4.3	7
60	Use of mass spectrometry to measure aspartic acid racemization for ageing beluga whales. <i>Marine Mammal Science</i> , 2016, 32, 1370-1380.	1.8	7
61	Legacy contaminants in the Eastern Beaufort Sea beluga whales ( <i>Delphinapterus leucas</i> ): Are temporal trends reflecting regulations?. <i>Arctic Science</i> , 2018, , .	2.3	6
62	Knowledge co-production and co-management of Arctic wildlife. <i>Arctic Science</i> , 2020, 6, 124-126.	2.3	6
63	Cod movement ecology in a warming world: Circumpolar arctic gadids. <i>Fish and Fisheries</i> , 2021, 22, 562-591.	5.3	6
64	Inuit observations of a Tunicata bloom unusual for the Amundsen Gulf, western Canadian Arctic. <i>Arctic Science</i> , 2020, 6, 340-351.	2.3	6
65	Temporal Trends of Brominated and Fluorinated Contaminants in Canadian Arctic Beluga <i>Delphinapterus leucas</i> . <i>Arctic Science</i> , 0, , .	2.3	5
66	Dietary versus nondietary fatty acid profiles of lake trout ecotypes from Lake Superior and Great Bear Lake: Are fish really what they eat?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1209-1220.	1.4	5
67	The Canadian Beaufort Shelf trophic structure: evaluating an ecosystem modelling approach by comparison with observed stable isotopic structure. <i>Arctic Science</i> , 0, , .	2.3	5
68	Upriver sightings of beluga whales ( <i>Delphinapterus leucas</i> ) follow storm surges and high water in the Mackenzie Delta, Northwest Territories, Canada. <i>Arctic Science</i> , 2021, 7, 679-689.	2.3	4
69	Investigating the dynamics of methylmercury bioaccumulation in the Beaufort Sea shelf food web: a modeling perspective. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1010-1025.	3.5	4
70	New records of California serogroup viruses in <i>Aedes</i> mosquitoes and first detection in simulioidae flies from Northern Canada and Alaska. <i>Polar Biology</i> , 2021, 44, 1911-1915.	1.2	3
71	Cortisol levels in beluga whales ( <i>Delphinapterus leucas</i> ): Setting a benchmark for Marine Protected Area monitoring. <i>Arctic Science</i> , 2017, , .	2.3	2
72	Body condition indicators: Assessing the influence of harvest location and potential thresholds for application in beluga monitoring. <i>Ecological Indicators</i> , 2019, 104, 145-155.	6.3	2

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73	A meta-collection of nitrogen stable isotope data measured in Arctic marine organisms from the Canadian Beaufort Sea, 1983â€“2013. BMC Research Notes, 2021, 14, 347.	1.4	2
74	Predation of archival tagged Dolly Varden, <i>Salvelinus malma</i> , reveals predator avoidance behaviour and tracks feeding events by presumed beluga whale, <i>Delphinapterus leucas</i> , in the Beaufort Sea. Animal Biotelemetry, 2021, 9, .	1.9	1
75	John (Jack) R. Orr 1956â€“2021. Marine Mammal Science, 2021, 37, 1576-1578.	1.8	0