Aaron T Fisk

List of Publications by Year in descending order

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47006 42399 9,176 122 47 92 citations h-index g-index papers 122 122 122 8041 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Aquatic animal telemetry: A panoramic window into the underwater world. Science, 2015, 348, 1255642.	12.6	1,038
2	Mercury and other trace elements in a pelagic Arctic marine food web (Northwater Polynya, Baffin) Tj ETQq0 0 0	rgBT/Ove	rlo <u>ck</u> 10 Tf 50
3	A stable isotope (δ13C, δ15N) model for the North Water food web: implications for evaluating trophodynamics and the flow of energy and contaminants. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 5131-5150.	1.4	419
4	Rescaling the trophic structure of marine food webs. Ecology Letters, 2014, 17, 239-250.	6.4	389
5	BIOLOGICAL AND CHEMICAL FACTORS OF IMPORTANCE IN THE BIOACCUMULATION AND TROPHIC TRANSFER OF PERSISTENT ORGANOCHLORINE CONTAMINANTS IN ARCTIC MARINE FOOD WEBS. Environmental Toxicology and Chemistry, 2004, 23, 2367.	4.3	383
6	Dietary accumulation and depuration of hydrophobic organochlorines: Bioaccumulation parameters and their relationship with the octanol/water partition coefficient. Environmental Toxicology and Chemistry, 1998, 17, 951-961.	4.3	350
7	Persistent organic pollutants and mercury in marine biota of the Canadian Arctic: An overview of spatial and temporal trends. Science of the Total Environment, 2005, 351-352, 4-56.	8.0	336
8	Fluorinated Organic Compounds in an Eastern Arctic Marine Food Web. Environmental Science & Emp; Technology, 2004, 38, 6475-6481.	10.0	330
9	Applications, Considerations, and Sources of Uncertainty When Using Stable Isotope Analysis in Ecotoxicology. Environmental Science & Ecotoxicology. 2006, 40, 7501-7511.	10.0	308
10	USING ANTHROPOGENIC CONTAMINANTS AND STABLE ISOTOPES TO ASSESS THE FEEDING ECOLOGY OF GREENLAND SHARKS. Ecology, 2002, 83, 2162-2172.	3.2	189
11	Variable uptake and elimination of stable nitrogen isotopes between tissues in fish. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 345-353.	1.4	189
12	Stable isotopes from multiple tissues reveal diet switching in sharks. Marine Ecology - Progress Series, 2005, 302, 199-206.	1.9	188
13	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. Science of the Total Environment, 2019, 696, 133792.	8.0	184
14	δ15N and δ13C diet–tissue discrimination factors for large sharks under semi-controlled conditions. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 155, 445-453.	1.8	179
15	An assessment of the toxicological significance of anthropogenic contaminants in Canadian arctic wildlife. Science of the Total Environment, 2005, 351-352, 57-93.	8.0	160
16	Biotransformation of polychlorinated biphenyls (PCBs) and bioformation of hydroxylated PCBs in fish. Aquatic Toxicology, 2006, 78, 176-185.	4.0	134
17	Chlorinated hydrocarbon contaminants and metabolites in polar bears (Ursus maritimus) from Alaska, Canada, East Greenland, and Svalbard: 1996â°'2002. Science of the Total Environment, 2005, 351-352, 369-390.	8.0	113
18	Mercury in the marine environment of the Canadian Arctic: Review of recent findings. Science of the Total Environment, 2015, 509-510, 67-90.	8.0	106

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19	A missing piece in the Arctic food web puzzle? Stomach contents of Greenland sharks sampled in Svalbard, Norway. Polar Biology, 2012, 35, 1197-1208.	1.2	84
20	The slowest fish: Swim speed and tail-beat frequency of Greenland sharks. Journal of Experimental Marine Biology and Ecology, 2012, 426-427, 5-11.	1.5	84
21	Ocean Tracking Network Canada: A Network Approach to Addressing Critical Issues in Fisheries and Resource Management with Implications for Ocean Governance. Fisheries, 2011, 36, 583-592.	0.8	83
22	Maternal meddling in neonatal sharks: implications for interpreting stable isotopes in young animals. Rapid Communications in Mass Spectrometry, 2011, 25, 1008-1016.	1.5	83
23	Spatial and seasonal variability in the diet of round goby (<i>Neogobius melanostomus</i>): stable isotopes indicate that stomach contents overestimate the importance of dreissenids. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 573-586.	1.4	79
24	Diet and resource use among Greenland sharks (Somniosus microcephalus) and teleosts sampled in Icelandic waters, using $\hat{\Gamma}$ (sup>130, $\hat{\Gamma}$ (sup>15N, and mercury. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1428-1438.	1.4	78
25	Food web structure of a coastal Arctic marine ecosystem and implications for stability. Marine Ecology - Progress Series, 2013, 482, 17-28.	1.9	77
26	Composition and temporal variation in the diet of beluga whales, derived from stable isotopes. Marine Ecology - Progress Series, 2012, 471, 283-291.	1.9	76
27	Acoustic telemetry observation systems: challenges encountered and overcome in the Laurentian Great Lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 1755-1763.	1.4	75
28	Ecological insights from three decades of animal movement tracking across a changing Arctic. Science, 2020, 370, 712-715.	12.6	75
29	Evidence for biomagnification of rubidium in freshwater and marine food webs. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 1161-1167.	1.4	74
30	A temporal shift in trophic diversity among a predator assemblage in a warming Arctic. Royal Society Open Science, 2018, 5, 180259.	2.4	73
31	Size-Based Analysis of Diet and Trophic Position of the White Shark, Carcharodon carcharias, in South African Waters., 2012,, 27-50.		72
32	Essential and non-essential element concentrations in two sleeper shark species collected in arctic waters. Environmental Pollution, 2007, 148, 281-290.	7.5	70
33	Role of Temperature and Enzyme Induction in the Biotransformation of Polychlorinated Biphenyls and Bioformation of Hydroxylated Polychlorinated Biphenyls by Rainbow Trout (Oncorhynchus mykiss). Environmental Science & Envi	10.0	70
34	Fifty years later: trophic ecology and niche overlap of a native and non-indigenous fish species in the western basin of Lake Erie. Biological Invasions, 2013, 15, 1695-1711.	2.4	69
35	Effects of lipid extraction and the utility of lipid normalization models on δ13C and δ15N values in Arctic marine mammal tissues. Polar Biology, 2015, 38, 131-143.	1.2	68
36	Longâ€ŧerm impacts of invasive species on a native top predator in a large lake system. Freshwater Biology, 2012, 57, 2342-2355.	2.4	63

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37	REGIONAL AND SPECIES SPECIFIC BIOACCUMULATION OF MAJOR AND TRACE ELEMENTS IN ARCTIC SEABIRDS. Environmental Toxicology and Chemistry, 2006, 25, 2927.	4.3	62
38	Lipid extraction effects on stable isotope values (\hat{l} 13C and \hat{r} 15N) of elasmobranch muscle tissue. Journal of Experimental Marine Biology and Ecology, 2012, 434-435, 7-15.	1.5	62
39	Trophic Transfer of Contaminants in a Changing Arctic Marine Food Web: Cumberland Sound, Nunavut, Canada. Environmental Science & Environmental Scienc	10.0	61
40	Global trends in aquatic animal tracking with acoustic telemetry. Trends in Ecology and Evolution, 2022, 37, 79-94.	8.7	60
41	Hydroxylated PCBs and Other Chlorinated Phenolic Compounds in Lake Trout (Salvelinus namaycush) Blood Plasma from the Great Lakes Region. Environmental Science & Echnology, 2003, 37, 1720-1725.	10.0	59
42	Spatial and temporal variation of an ice-adapted predator's feeding ecology in a changing Arctic marine ecosystem. Oecologia, 2016, 180, 631-644.	2.0	59
43	Dietary accumulation and biochemical responses of juvenile rainbow trout (Oncorhynchus mykiss) to $3,3\hat{a}\in ^2,4,4\hat{a}\in ^2,5$ -pentachlorobiphenyl (PCB 126). Aquatic Toxicology, 2002, 59, 139-152.	4.0	58
44	Archival pop-off tag tracking of Greenland sharks Somniosus microcephalus in the High Arctic waters of Svalbard, Norway. Marine Ecology - Progress Series, 2012, 468, 255-265.	1.9	56
45	Latitudinal variation in ecological opportunity and intraspecific competition indicates differences in niche variability and diet specialization of Arctic marine predators. Ecology and Evolution, 2016, 6, 1666-1678.	1.9	56
46	TOXICOKINETICS OF THREE POLYCHLORINATED BIPHENYL TECHNICAL MIXTURES IN RAINBOW TROUT (ONCORHYNCHUS MYKISS). Environmental Toxicology and Chemistry, 2004, 23, 1725.	4.3	55
47	Greenland sharks (Somniosus microcephalus) scavenge offal from minke (Balaenoptera) Tj ETQq1 1 0.784314 rg	BT_/Overlo	ock 10 Tf 50
48	Risk-benefit of consuming Lake Erie fish. Environmental Research, 2014, 134, 57-65.	7.5	51
49	Movements of a deepâ€water fish: establishing marine fisheries management boundaries in coastal Arctic waters. Ecological Applications, 2017, 27, 687-704.	3.8	50
50	Concentrations and patterns of perfluoroalkyl acids in Georgia, USA surface waters near and distant to a major use source. Environmental Toxicology and Chemistry, 2008, 27, 2011-2018.	4.3	48
51	Ageâ€related polychlorinated biphenyl dynamics in immature bull sharks (<i>Carcharhinus leucas</i>). Environmental Toxicology and Chemistry, 2014, 33, 35-43.	4.3	48
52	Niche plasticity in invasive fishes in the Great Lakes. Biological Invasions, 2015, 17, 2565-2580.	2.4	47
53	Variable $\hat{l}'15N$ Diet-Tissue Discrimination Factors among Sharks: Implications for Trophic Position, Diet and Food Web Models. PLoS ONE, 2013, 8, e77567.	2.5	46
54	Estimates of lake trout (Salvelinus namaycush) diet in Lake Ontario using two and three isotope mixing models. Journal of Great Lakes Research, 2016, 42, 695-702.	1.9	46

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55	Biotelemetry informing management: case studies exploring successful integration of biotelemetry data into fisheries and habitat management. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1238-1252.	1.4	46
56	Diet- and tissue-specific incorporation of isotopes in the shark Scyliorhinus stellaris, a North Sea mesopredator. Marine Ecology - Progress Series, 2013, 492, 185-198.	1.9	44
57	Diet and trophic niche space and overlap of Lake Ontario salmonid species using stable isotopes and stomach contents. Journal of Great Lakes Research, 2018, 44, 1383-1392.	1.9	43
58	Geographic distribution of selected elements in the livers of polar bears from Greenland, Canada and the United States. Environmental Pollution, 2008, 153, 618-626.	7.5	42
59	The influence of dynamic environmental interactions on detection efficiency of acoustic transmitters in a large, deep, freshwater lake. Animal Biotelemetry, 2019, 7, .	1.9	42
60	Impacts of food web structure and feeding behavior on mercury exposure in Greenland Sharks (Somniosus microcephalus). Science of the Total Environment, 2015, 509-510, 216-225.	8.0	41
61	Mercury and cadmium in ringed seals in the Canadian Arctic: Influence of location and diet. Science of the Total Environment, 2016, 545-546, 503-511.	8.0	41
62	Mitochondrial cytochrome b variation in sleeper sharks (Squaliformes: Somniosidae). Marine Biology, 2008, 153, 1015-1022.	1.5	39
63	The foraging ecology of Arctic cod (Boreogadus saida) during open water (July–August) in Allen Bay, Arctic Canada. Marine Biology, 2013, 160, 2993-3004.	1.5	37
64	Foodâ€web structure and ecosystem function in the Laurentian Great Lakesâ€"Toward a conceptual model. Freshwater Biology, 2019, 64, 1-23.	2.4	37
65	Associations between vitamins A and E and legacy POP levels in highly contaminated Greenland sharks (Somniosus microcephalus). Science of the Total Environment, 2013, 442, 445-454.	8.0	36
66	Fractionation and metabolic turnover of carbon and nitrogen stable isotopes in black fly larvae. Rapid Communications in Mass Spectrometry, 2008, 22, 694-700.	1.5	35
67	Metabolic turnover rates of carbon and nitrogen stable isotopes in captive juvenile snakes. Rapid Communications in Mass Spectrometry, 2009, 23, 319-326.	1.5	34
68	Spatial and temporal variabilities of $\hat{\Gamma}$ 13C and $\hat{\Gamma}$ 15N within lower trophic levels of a large lake: implications for estimating trophic relationships of consumers. Hydrobiologia, 2011, 675, 41-53.	2.0	34
69	Influence of sea ice phenology on the movement ecology of ringed seals across their latitudinal range. Marine Ecology - Progress Series, 2016, 562, 237-250.	1.9	34
70	Diet discrimination factors are inversely related to \hat{l} (sup>15 (sup>N and \hat{l} (sup>13 (sup>C values of food for fish under controlled conditions. Rapid Communications in Mass Spectrometry, 2010, 24, 3515-3520.	1.5	33
71	Evaluation of Lake Ontario salmonid niche space overlap using stable isotopes. Journal of Great Lakes Research, 2015, 41, 934-940.	1.9	33
72	Preliminary assessment of Greenland halibut diet in Cumberland Sound using stable isotopes. Polar Biology, 2009, 32, 941-945.	1.2	31

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73	Depth and temperature preferences of the deepwater flatfish Greenland halibut Reinhardtius hippoglossoides in an Arctic marine ecosystem. Marine Ecology - Progress Series, 2012, 467, 193-205.	1.9	30
74	Mercury methylation and demethylation potentials in Arctic lake sediments. Chemosphere, 2020, 248, 126001.	8.2	29
75	Spatial and temporal trends of selected trace elements in liver tissue from polar bears (Ursus) Tj ETQq1 1 0.7843	14 rgBT /(2.1	Overlock 10 T
76	Temporal shifts in intraguild predation pressure between beluga whales and Greenland halibut in a changing Arctic. Biology Letters, 2017, 13, 20170433.	2.3	28
77	Seasonal habitat-use differences among Lake Erie's walleye stocks. Journal of Great Lakes Research, 2020, 46, 609-621.	1.9	25
78	Foraging ecology of ringed seals (Pusa hispida), beluga whales (Delphinapterus leucas) and narwhals (Monodon monoceros) in the Canadian High Arctic determined by stomach content and stable isotope analysis. Polar Research, 2015, 34, 24295.	1.6	24
79	Effects of Surgically Implanted Acoustic Tags on Body Condition, Growth, and Survival in a Small, Laterally Compressed Forage Fish. Transactions of the American Fisheries Society, 2018, 147, 749-757.	1.4	24
80	Identification of predation events in wild fish using novel acoustic transmitters. Animal Biotelemetry, 2020, 8, .	1.9	24
81	Integrating lipids and contaminants in aquatic ecology and ecotoxicology. , 2009, , 93-114.		23
82	Popâ€off data storage tags reveal niche partitioning between native and nonâ€native predators in a novel ecosystem. Journal of Applied Ecology, 2020, 57, 181-191.	4.0	23
83	Feeding ecology and niche overlap of Lake Ontario offshore forage fish assessed with stable isotopes. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 759-771.	1.4	22
84	Spatial distribution of lake trout (<i>Salvelinus namaycush</i>) across seasonal thermal cycles in a large lake. Freshwater Biology, 2021, 66, 615-627.	2.4	22
85	Limited effects of changing prey fish communities on food quality for aquatic predators in the eastern Canadian Arctic in terms of essential fatty acids, methylmercury and selenium. Chemosphere, 2019, 214, 855-865.	8.2	21
86	Temporal trends, lake-to-lake variation, and climate effects on Arctic char (Salvelinus alpinus) mercury concentrations from six High Arctic lakes in Nunavut, Canada. Science of the Total Environment, 2019, 678, 801-812.	8.0	20
87	Survival and migration patterns of naturally and hatcheryâ€reared Atlantic salmon (<i>Salmo salar</i>) smolts in a Lake Ontario tributary using acoustic telemetry. Freshwater Biology, 2020, 65, 835-848.	2.4	20
88	Postâ€stocking movement and survival of hatcheryâ€reared bloater (Coregonus hoyi) reintroduced to Lake Ontario. Freshwater Biology, 2020, 65, 1073-1085.	2.4	20
89	Juvenile Greenland sharks Somniosus microcephalus (Bloch & Described Properties of the Canadian Arctic. Polar Biology, 2015, 38, 493-504.	1.2	19
90	Effects of decomposition on carbon and nitrogen stable isotope values of muscle tissue of varying lipid content from three aquatic vertebrate species. Rapid Communications in Mass Spectrometry, 2017, 31, 389-395.	1.5	19

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91	Longâ€term retention of acoustic telemetry transmitters in temperate predators revealed by predation tags implanted in wild prey fish. Journal of Fish Biology, 2019, 95, 1512-1516.	1.6	18
92	Temporal and spatial variation in polychlorinated biphenyl chiral signatures of the Greenland shark (Somniosus microcephalus) and its arctic marine food web. Environmental Pollution, 2014, 186, 216-225.	7. 5	16
93	PCBs can diminish the influence of temperature on thyroid indices in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.	784314 r _ş 4.0	gBT /Overlo
94	Seabird predation on Arctic cod during summer in the Canadian Arctic. Marine Ecology - Progress Series, 2012, 450, 219-228.	1.9	15
95	Isotopic Ratios Reveal Mixed Seasonal Variation Among Fishes from Two Subtropical Estuarine Systems. Estuaries and Coasts, 2012, 35, 811-820.	2.2	15
96	Local contamination, and not feeding preferences, explains elevated PCB concentrations in Labrador ringed seals (Pusa hispida). Science of the Total Environment, 2015, 515-516, 188-197.	8.0	15
97	Tissueâ€specific turnover and dietâ€tissue discrimination factors of carbon and nitrogen isotopes of a common forage fish held at two temperatures. Rapid Communications in Mass Spectrometry, 2017, 31, 1405-1414.	1.5	15
98	Feeding ecology of a common benthic fish, shorthorn sculpin (Myoxocephalus scorpius) in the high arctic. Polar Biology, 2018, 41, 2091-2102.	1.2	15
99	Broad feeding niches of capelin and sand lance may overlap those of polar cod and other native fish in the eastern Canadian Arctic. Polar Biology, 2020, 43, 1707-1724.	1.2	15
100	Biophysical indicators and Indigenous and Local Knowledge reveal climatic and ecological shifts with implications for Arctic Char fisheries. Global Environmental Change, 2022, 74, 102469.	7.8	15
101	Marine mammal and seabird summer distribution and abundance in the fjords of northeast Cumberland Sound of Baffin Island, Nunavut, Canada. Polar Biology, 2011, 34, 41-48.	1.2	14
102	Origins of the Greenland shark (<i>Somniosus microcephalus</i>): Impacts of iceâ€olation and introgression. Ecology and Evolution, 2017, 7, 8113-8125.	1.9	14
103	The influence of body size and season on the feeding ecology of three freshwater fishes with different diets in Lake Erie. Journal of Great Lakes Research, 2019, 45, 795-804.	1.9	14
104	A review of Greenland shark (Somniosus microcephalus) studies in the Kongsfjorden area, Svalbard Norway. Polar Biology, 2016, 39, 2169-2178.	1.2	12
105	Comparative organochlorine accumulation in two ecologically similar shark species (<i>Carcharodon carcharias</i> and <i>Carcharhinus obscurus</i>) with divergent uptake based on different life history. Environmental Toxicology and Chemistry, 2015, 34, 2051-2060.	4.3	11
106	Geographic variation in ringed seal (<i>Pusahispida</i>) growth rate and body size. Canadian Journal of Zoology, 2018, 96, 649-659.	1.0	11
107	Movement types of an Arctic benthic fish, shorthorn sculpin (<i>Myoxocephalus scorpius</i>), during open-water periods in response to biotic and abiotic factors. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 626-635.	1.4	11
108	Differences in egg quantity and quality among hatchery- and wild-origin Chinook salmon (<i>Oncorhynchus tshawytscha</i>). Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 737-746.	1.4	10

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109	Comparing temporal patterns in body condition of ringed seals living within their core geographic range with those living at the edge. Ecography, 2020, 43, 1521-1535.	4.5	10
110	Assessing trophic position quantification methods for three piscivorous freshwater fish using stable isotopes and stomach contents. Journal of Great Lakes Research, 2020, 46, 578-588.	1.9	8
111	Application of machine learning to identify predators of stocked fish in <scp>Lake Ontario</scp> : using acoustic telemetry predation tags to inform management. Journal of Fish Biology, 2021, 98, 237-250.	1.6	8
112	Results of the collaborative Lake Ontario bloater restoration stocking and assessment, 2012–2020. Journal of Great Lakes Research, 2022, 48, 371-380.	1.9	8
113	Feeding Ecology of the Snake Community of the Red Hills Region Relative to Management for Northern Bobwhite: Assessing the Diet of Snakes Using Stable Isotopes. Copeia, 2014, 2014, 288-296.	1.3	6
114	Strong thermal stratification reduces detection efficiency and range of acoustic telemetry in a large freshwater lake. Animal Biotelemetry, 2021, 9, .	1.9	6
115	Evaluation of muscle lipid extraction and nonâ€lethal fin tissue use for carbon, nitrogen, and sulfur isotope analyses in adult salmonids. Rapid Communications in Mass Spectrometry, 2021, 35, e9093.	1.5	5
116	Patterns in spatial use of land-locked Atlantic salmon (Salmo salar) in a large lake. Journal of Great Lakes Research, 2022, 48, 381-391.	1.9	5
117	Movement Ecology of a Potamodromous Top Predator in a Large Lake: Synchrony and Coexistence of Distinct Migratory Patterns. Transactions of the American Fisheries Society, 2021, 150, 748-760.	1.4	4
118	Foraging ecology of Bowfin (Amia calva), in the Lake Huron–Erie Corridor of the Laurentian Great Lakes: Individual specialists in generalist populations. Journal of Great Lakes Research, 2016, 42, 1452-1460.	1.9	3
119	Comparisons among three diet analyses demonstrate multiple patterns in the estimated adult diet of a freshwater piscivore, Salvelinus namaycush. Ecological Indicators, 2021, 127, 107728.	6.3	3
120	Influence of Feeding Ecology on Legacy Organochlorine Contaminants in Freshwater Fishes of Lake Erie. Environmental Toxicology and Chemistry, 2021, 40, 3421-3433.	4.3	2
121	Effects of life stage on the spatial ecology of Chinook salmon (Oncorhynchus tshawytscha) during pelagic freshwater foraging. Fisheries Research, 2022, 254, 106395.	1.7	2
122	Spatiotemporal interactions of native and introduced salmonid top predators in a large lake: implications for species restoration. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1158-1167.	1.4	1