Benjamin Barst

List of Publications by Year
in descending order

28 papers	760 citations	567281 15 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	1299 citing authors

#	Article	IF	Citations
1	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
2	A Review of Mercury Bioavailability in Humans and Fish. International Journal of Environmental Research and Public Health, 2017, 14, 169.	2.6	155
3	Isotopic Evidence for Oil Sands Petroleum Coke in the Peaceâ€“Athabasca Delta. Environmental Science & Technology, 2015, 49, 12062-12070.	10.0	47
4	Laser Ablation ICP-MS Co-Localization of Mercury and Immune Response in Fish. Environmental Science & Technology, 2011, 45, 8982-8988.	10.0	33
5	Determination of mercury speciation in fish tissue with a direct mercury analyzer. Environmental Toxicology and Chemistry, 2013, 32, 1237-1241.	4.3	32
6	The role of melanoâ€macrophage aggregates in the storage of mercury and other metals: An example from yelloweye rockfish (Sebastes ruberrimus). Environmental Toxicology and Chemistry, 2015, 34, 1918-1925.	4.3	32
7	Subcellular distribution of trace elements and liver histology of landlocked Arctic char (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overloc	7.5	27
8	Occurrence and bioaccessibility of mercury in commercial rice samples in Montreal (Canada). Food and Chemical Toxicology, 2019, 126, 72-78.	3.6	24
9	Relationship Between Methylmercury Contamination and Proportion of Aquatic and Terrestrial Prey in Diets of Shoreline Spiders. Environmental Toxicology and Chemistry, 2019, 38, 2503-2508.	4.3	22
10	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
11	Lake-sediment record of PAH, mercury, and fly-ash particle deposition near coal-fired power plants in Central Alberta, Canada. Environmental Pollution, 2017, 231, 644-653.	7.5	18
12	Mercury Speciation in Whole Blood and Dried Blood Spots from Capillary and Venous Sources. Analytical Chemistry, 2020, 92, 3605-3612.	6.5	18
13	Toxicological risk of mercury for fish and invertebrate prey in the Arctic. Science of the Total Environment, 2022, 836, 155702.	8.0	18
14	Evaluating the concentrations of total mercury, methylmercury, selenium, and selenium:mercury molar ratios in traditional foods of the Bigstone Cree in Alberta, Canada. Chemosphere, 2020, 250, 126285.	8.2	17
15	Alkylated polycyclic aromatic hydrocarbons are the largest contributor to polycyclic aromatic compound concentrations in traditional foods of the Bigstone Cree Nation in Alberta, Canada. Environmental Pollution, 2021, 275, 116625.	7.5	17
16	Subcellular distributions of trace elements (Cd, Pb, As, Hg, Se) in the livers of Alaskan yelloweye rockfish (Sebastes ruberrimus). Environmental Pollution, 2018, 242, 63-72.	7.5	16
17	Assessment of environmentally contaminated sediment using a contact assay with early life stage zebrafish (Danio rerio). Science of the Total Environment, 2019, 659, 950-962.	8.0	14
18	Dried blood spots to characterize mercury speciation and exposure in a Colombian artisanal and small-scale gold mining community. Chemosphere, 2021, 266, 129001.	8.2	13

#	Article	IF	Citations
19	Screeningâ€level risk assessment of methylmercury for nonâ€anadromous Arctic char (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Ove	4.3	11
20	Quantification of Spatial and Temporal Trends in Atmospheric Mercury Deposition across Canada over the Past 30 Years. Environmental Science & Technology, 2021, 55, 15766-15775.	10.0	10
21	Mercury speciation and subcellular distribution in experimentally dosed and wild birds. Environmental Toxicology and Chemistry, 2017, 36, 3289-3298.	4.3	6
22	A mummified Pleistocene gray wolf pup. Current Biology, 2020, 30, R1467-R1468.	3.9	6
23	Effect of Body Size on Methylmercury Concentrations in Shoreline Spiders: Implications for Their Use as Sentinels. Environmental Toxicology and Chemistry, 2021, 40, 1149-1154.	4.3	6
24	Dried Blood Spot Sampling of Landlocked Arctic Char (Salvelinus alpinus) for Estimating Mercury Exposure and Stable Carbon Isotope Fingerprinting of Essential Amino Acids. Environmental Toxicology and Chemistry, 2020, 39, 893-903.	4.3	5
25	Effects of Nonâ€native Fish on Lacustrine Food Web Structure and Mercury Biomagnification along a Dissolved Organic Carbon Gradient. Environmental Toxicology and Chemistry, 2020, 39, 2196-2207.	4.3	4
26	Validation of dried blood spot sampling for determining trophic positions of Arctic char using nitrogen stable isotope analyses of amino acids. Rapid Communications in Mass Spectrometry, 2021, 35, e8992.	1.5	3
27	Mud Dauber Nests as Sources of Spiders in Mercury Monitoring Studies. Environmental Toxicology and Chemistry, 2021, 40, 1335-1340.	4.3	1
28	Exposure to Contaminated River Water is Associated with Early Hatching and Dysregulation of Gene Expression in Early Life Stages of the Endangered Copper Redhorse (Moxostoma hubbsi). Environmental Toxicology and Chemistry, 2022, 41, 1950-1966.	4.3	1