

Benjamin Barst

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

760
citations

567281

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h-index

526287

27
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28
all docs

28
docs citations

28
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicological risk of mercury for fish and invertebrate prey in the Arctic. <i>Science of the Total Environment</i> , 2022, 836, 155702.	8.0	18
2	Exposure to Contaminated River Water is Associated with Early Hatching and Dysregulation of Gene Expression in Early Life Stages of the Endangered Copper Redhorse (<i>Moxostoma hubbsi</i>). <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1950-1966.	4.3	1
3	Dried blood spots to characterize mercury speciation and exposure in a Colombian artisanal and small-scale gold mining community. <i>Chemosphere</i> , 2021, 266, 129001.	8.2	13
4	Validation of dried blood spot sampling for determining trophic positions of Arctic char using nitrogen stable isotope analyses of amino acids. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8992.	1.5	3
5	Effect of Body Size on Methylmercury Concentrations in Shoreline Spiders: Implications for Their Use as Sentinels. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1149-1154.	4.3	6
6	Mud Dauber Nests as Sources of Spiders in Mercury Monitoring Studies. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1335-1340.	4.3	1
7	Alkylated polycyclic aromatic hydrocarbons are the largest contributor to polycyclic aromatic compound concentrations in traditional foods of the Bigstone Cree Nation in Alberta, Canada. <i>Environmental Pollution</i> , 2021, 275, 116625.	7.5	17
8	Quantification of Spatial and Temporal Trends in Atmospheric Mercury Deposition across Canada over the Past 30 Years. <i>Environmental Science & Technology</i> , 2021, 55, 15766-15775.	10.0	10
9	Effects of Non-native Fish on Lacustrine Food Web Structure and Mercury Biomagnification along a Dissolved Organic Carbon Gradient. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2196-2207.	4.3	4
10	A mummified Pleistocene gray wolf pup. <i>Current Biology</i> , 2020, 30, R1467-R1468.	3.9	6
11	Dried Blood Spot Sampling of Landlocked Arctic Char (<i>Salvelinus alpinus</i>) for Estimating Mercury Exposure and Stable Carbon Isotope Fingerprinting of Essential Amino Acids. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 893-903.	4.3	5
12	Mercury Speciation in Whole Blood and Dried Blood Spots from Capillary and Venous Sources. <i>Analytical Chemistry</i> , 2020, 92, 3605-3612.	6.5	18
13	Evaluating the concentrations of total mercury, methylmercury, selenium, and selenium:mercury molar ratios in traditional foods of the Bigstone Cree in Alberta, Canada. <i>Chemosphere</i> , 2020, 250, 126285.	8.2	17
14	Relationship Between Methylmercury Contamination and Proportion of Aquatic and Terrestrial Prey in Diets of Shoreline Spiders. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2503-2508.	4.3	22
15	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
16	Occurrence and bioaccessibility of mercury in commercial rice samples in Montreal (Canada). <i>Food and Chemical Toxicology</i> , 2019, 126, 72-78.	3.6	24
17	Temporal trends, lake-to-lake variation, and climate effects on Arctic char (<i>Salvelinus alpinus</i>) mercury concentrations from six High Arctic lakes in Nunavut, Canada. <i>Science of the Total Environment</i> , 2019, 678, 801-812.	8.0	20
18	Screening-level risk assessment of methylmercury for non-anadromous Arctic char (<i>Salvelinus</i>)	4.3	11

#	ARTICLE	IF	CITATIONS
19	Assessment of environmentally contaminated sediment using a contact assay with early life stage zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2019, 659, 950-962.	8.0	14
20	Subcellular distributions of trace elements (Cd, Pb, As, Hg, Se) in the livers of Alaskan yelloweye rockfish (<i>Sebastes ruberrimus</i>). <i>Environmental Pollution</i> , 2018, 242, 63-72.	7.5	16
21	Lake-sediment record of PAH, mercury, and fly-ash particle deposition near coal-fired power plants in Central Alberta, Canada. <i>Environmental Pollution</i> , 2017, 231, 644-653.	7.5	18
22	Mercury speciation and subcellular distribution in experimentally dosed and wild birds. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 3289-3298.	4.3	6
23	A Review of Mercury Bioavailability in Humans and Fish. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 169.	2.6	155
24	Subcellular distribution of trace elements and liver histology of landlocked Arctic char (<i>Salvelinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.5	27
25	The role of melanoâ€macrophage aggregates in the storage of mercury and other metals: An example from yelloweye rockfish (<i>Sebastes ruberrimus</i>). <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1918-1925.	4.3	32
26	Isotopic Evidence for Oil Sands Petroleum Coke in the Peaceâ€Athabasca Delta. <i>Environmental Science & Technology</i> , 2015, 49, 12062-12070.	10.0	47
27	Determination of mercury speciation in fish tissue with a direct mercury analyzer. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1237-1241.	4.3	32
28	Laser Ablation ICP-MS Co-Localization of Mercury and Immune Response in Fish. <i>Environmental Science & Technology</i> , 2011, 45, 8982-8988.	10.0	33