Brian A Branfireun

List of Publications by Year
in descending order

21 papers	677 citations	623734 14 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	915 citing authors

#	Article	IF	Citations
1	Climate change drives a shift in peatland ecosystem plant community: Implications for ecosystem function and stability. Global Change Biology, 2015, 21, 388-395.	9.5	204
2	Mercury cycling in freshwater systems - An updated conceptual model. Science of the Total Environment, 2020, 745, 140906.	8.0	58
3	Climate change effects on peatland decomposition and porewater dissolved organic carbon biogeochemistry. Biogeochemistry, 2016, 128, 385-396.	3.5	48
4	Water storage dynamics and runoff response of a boreal Shield headwater catchment. Hydrological Processes, 2011, 25, 3042-3060.	2.6	46
5	Experimental evidence for recovery of mercury-contaminated fish populations. Nature, 2022, 601, 74-78.	27.8	38
6	Dietary exposure to methylmercury affects flight endurance in a migratory songbird. Environmental Pollution, 2018, 234, 894-901.	7.5	34
7	Hydrological and biogeochemical controls on plant species distribution within calcareous fens. Ecohydrology, 2012, 5, 73-89.	2.4	27
8	Evidence of negative seasonal carryâ€•over effects of breeding ground mercury exposure on survival of migratory songbirds. Journal of Avian Biology, 2018, 49, jav-01656.	1.2	27
9	Does microtopography influence subsurface pore-water chemistry? Implications for the study of methylmercury in peatlands. Wetlands, 2004, 24, 207-211.	1.5	25
10	Enhanced carbon release under future climate conditions in a peatland mesocosm experiment: the role of phenolic compounds. Plant and Soil, 2016, 400, 81-91.	3.7	25
11	Northern peatland carbon dynamics driven by plant growth form â€" the role of graminoids. Plant and Soil, 2017, 415, 25-35.	3.7	22
12	Feathers accurately reflect blood mercury at time of feather growth in a songbird. Science of the Total Environment, 2021, 775, 145739.	8.0	19
13	Mercury in sediment, water, and fish in a managed tropical wetland-lake ecosystem. Science of the Total Environment, 2015, 524-525, 260-268.	8.0	17
14	Vertical stratification of peatland microbial communities follows a gradient of functional types across hummockâ€“hollow microtopographies. Ecoscience, 2019, 26, 249-258.	1.4	17
15	Simulated climate warming increases plant community heterogeneity in two types of boreal peatlands in northâ€“central Canada. Journal of Vegetation Science, 2020, 31, 908-919.	2.2	15
16	Responses of oribatid mites to warming in boreal peatlands depend on fen type. Pedobiologia, 2021, 89, 150772.	1.2	14
17	Arsenic, chromium, and other elements of concern in fish from remote boreal lakes and rivers: Drivers of variation and implications for subsistence consumption. Environmental Pollution, 2020, 259, 113878.	7.5	13
18	Global change alters peatland carbon cycling through plant biomass allocation. Plant and Soil, 2020, 455, 53-64.	3.7	11

#	Article	IF	Citations
19	Watershed influences on mercury in tributaries to Lake Ontario. Ecotoxicology, 2020, 29, 1614-1626.	2.4	8
20	Inferring spatial patterns of mercury exposure in migratory boreal songbirds: Combining feather mercury and stable isotope (Î´2H) measurements. Science of the Total Environment, 2021, 762, 143109.	8.0	8
21	Mercury accumulation in sediments of LhÃ¹â€™ÃÃn MÃ¢nÊ¼ (Kluane Lake, YT): Response to past hydrological change. Arctic, Antarctic, and Alpine Research, 2021, 53, 179-195.	1.1	1