

# Diane M Orihel

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,710  
citations

516710

16  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing Phosphorus to Curb Lake Eutrophication is a Success. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8923-8929.	10.0	761
2	Internal phosphorus loading in Canadian fresh waters: a critical review and data analysis. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 2005-2029.	1.4	155
3	High microcystin concentrations occur only at low nitrogen-to-phosphorus ratios in nutrient-rich Canadian lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 1457-1462.	1.4	115
4	Experimental Evidence of a Linear Relationship between Inorganic Mercury Loading and Methylmercury Accumulation by Aquatic Biota. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4952-4958.	10.0	109
5	The "nutrient pump": Iron-poor sediments fuel low nitrogen-to-phosphorus ratios and cyanobacterial blooms in polymictic lakes. <i>Limnology and Oceanography</i> , 2015, 60, 856-871.	3.1	68
6	Effect of Loading Rate on the Fate of Mercury in Littoral Mesocosms. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5992-6000.	10.0	66
7	Informing Canada's commitment to biodiversity conservation: A science-based framework to help guide protected areas designation through Target 1 and beyond. <i>Facets</i> , 2018, 3, 531-562.	2.4	43
8	Experimental iron amendment suppresses toxic cyanobacteria in a hypereutrophic lake. <i>Ecological Applications</i> , 2016, 26, 1517-1534.	3.8	41
9	Key information needs to move from knowledge to action for biodiversity conservation in Canada. <i>Biological Conservation</i> , 2021, 256, 108983.	4.1	40
10	On "success" in applied environmental research "What is it, how can it be achieved, and how does one know when it has been achieved?". <i>Environmental Reviews</i> , 2020, 28, 357-372.	4.5	36
11	Temporal changes in the distribution, methylation, and bioaccumulation of newly deposited mercury in an aquatic ecosystem. <i>Environmental Pollution</i> , 2008, 154, 77-88.	7.5	29
12	Simulating a Spill of Diluted Bitumen: Environmental Weathering and Submergence in a Model Freshwater System. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2621-2628.	4.3	28
13	The Response of Lake Trout to Manual Tracking. <i>Transactions of the American Fisheries Society</i> , 2005, 134, 346-355.	1.4	25
14	Relationship between the loading rate of inorganic mercury to aquatic ecosystems and dissolved gaseous mercury production and evasion. <i>Chemosphere</i> , 2006, 65, 2199-2207.	8.2	24
15	Changes in Sedimentary Phosphorus Burial Following Artificial Eutrophication of Lake 227, Experimental Lakes Area, Ontario, Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005713.	3.0	23
16	Internal nutrient loading may increase microcystin concentrations in freshwater lakes by promoting growth of <i>Microcystis</i> populations. <i>Annales De Limnologie</i> , 2013, 49, 225-235.	0.6	19
17	Life under an oil slick: response of a freshwater food web to simulated spills of diluted bitumen in field mesocosms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 779-788.	1.4	18
18	Simulating diluted bitumen spills in boreal lake limnocorrals - part 2: Factors affecting the physical characteristics and submergence of diluted bitumen. <i>Science of the Total Environment</i> , 2021, 790, 148580.	8.0	18

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19	Simulating diluted bitumen spills in boreal lake limnocorrals - Part 1: Experimental design and responses of hydrocarbons, metals, and water quality parameters. <i>Science of the Total Environment</i> , 2021, 790, 148537.	8.0	16
20	Are we accurately estimating the potential role of pollution in the decline of species at risk in Canada?. <i>Facets</i> , 2019, 4, 598-614.	2.4	11
21	Probing the debromination of the flame retardant decabromodiphenyl ether in sediments of a boreal lake. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 573-583.	4.3	10
22	National contributions to global ecosystem values. <i>Conservation Biology</i> , 2019, 33, 1219-1223.	4.7	9
23	Chemical identification of microplastics ingested by Red Phalaropes ( <i>Phalaropus fulicarius</i> ) using Fourier Transform Infrared spectroscopy. <i>Marine Pollution Bulletin</i> , 2021, 171, 112640.	5.0	7
24	Surface oil is the primary driver of macroinvertebrate impacts following spills of diluted bitumen in freshwater. <i>Environmental Pollution</i> , 2021, 290, 117929.	7.5	7
25	A field-based technique for sediment incubation experiments. <i>Journal of Limnology</i> , 2012, 71, 25.	1.1	6
26	Response to the Letter, Nitrogen is Not a "House of Cards". <i>Environmental Science &amp; Technology</i> , 2017, 51, 1943-1943.	10.0	6
27	Can the toxicity of naphthenic acids in oil sands process-affected water be mitigated by a green photocatalytic method?. <i>Facets</i> , 2020, 5, 474-487.	2.4	6
28	Fathead Minnows Exposed to Organic Compounds from Oil Sands Tailings as Embryos Have Reduced Survival, Impaired Development, and Altered Behaviors That Persist into Larval Stages. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1319-1332.	4.3	5
29	Fate of polycyclic aromatic compounds from diluted bitumen spilled into freshwater limnocorrals. <i>Science of the Total Environment</i> , 2022, 819, 151993.	8.0	4
30	Resilience of larval wood frogs ( <i>Rana sylvatica</i> ) to hydrocarbons and other compounds released from naturally weathered diluted bitumen in a boreal lake. <i>Aquatic Toxicology</i> , 2022, 245, 106128.	4.0	3
31	SCIENTISTS, ON SAVING SCIENCE. <i>Limnology and Oceanography Bulletin</i> , 2013, 22, 76-78.	0.4	2
32	David W. Schindler (1940–2021). <i>Trends in Ecology and Evolution</i> , 2021, 36, 665-667.	8.7	0
33	Effect of spilled diluted bitumen on chemical air-water exchange in boreal lake limnocorrals. <i>Chemosphere</i> , 2021, , 132708.	8.2	0