

# Elizabeth C Minor

## List of Publications by Citations

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56  
papers

3,558  
citations

27  
h-index

59  
g-index

62  
ext. papers

4,164  
ext. citations

4.2  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
56	Absorption spectral slopes and slope ratios as indicators of molecular weight, source, and photobleaching of chromophoric dissolved organic matter. <i>Limnology and Oceanography</i> , <b>2008</b> , 53, 955-969	4.8	1550
55	Microplastic Abundance and Composition in Western Lake Superior As Determined via Microscopy, Pyr-GC/MS, and FTIR. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1787-1796	10.3	178
54	Structural characterization of dissolved organic matter: a review of current techniques for isolation and analysis. <i>Environmental Sciences: Processes and Impacts</i> , <b>2014</b> , 16, 2064-79	4.3	143
53	Changes in the compound classes of dissolved organic matter along an estuarine transect: A study using FTIR and <sup>13</sup> C NMR. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 3815-3838	5.5	131
52	Characterization of dissolved organic matter in Lake Superior and its watershed using ultrahigh resolution mass spectrometry. <i>Organic Geochemistry</i> , <b>2012</b> , 43, 1-11	3.1	117
51	Using two-dimensional correlations of <sup>13</sup> C NMR and FTIR to investigate changes in the chemical composition of dissolved organic matter along an estuarine transect. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 8044-9	10.3	114
50	The impact of flooding on aquatic ecosystem services. <i>Biogeochemistry</i> , <b>2018</b> , 141, 439-461	3.8	79
49	Isolation and characterization of estuarine dissolved organic matter: Comparison of ultrafiltration and C18 solid-phase extraction techniques. <i>Marine Chemistry</i> , <b>2005</b> , 96, 219-235	3.7	68
48	Photodegradation of estuarine dissolved organic matter: a multi-method assessment of DOM transformation. <i>Organic Geochemistry</i> , <b>2009</b> , 40, 243-257	3.1	64
47	Dissolved organic matter characteristics within the Lake Superior watershed. <i>Organic Geochemistry</i> , <b>2008</b> , 39, 1489-1501	3.1	61
46	Estimation of carbonate, total organic carbon, and biogenic silica content by FTIR and XRF techniques in lacustrine sediments. <i>Journal of Paleolimnology</i> , <b>2013</b> , 50, 387-398	2.1	58
45	Tracing terrigenous dissolved organic matter and its photochemical decay in the ocean by using liquid chromatography/mass spectrometry. <i>Marine Chemistry</i> , <b>2007</b> , 107, 378-387	3.7	55
44	Effects of salinity changes on the photodegradation and ultraviolet-visible absorbance of terrestrial dissolved organic matter. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 2181-2186	4.8	49
43	Estuarine/marine UDOM as characterized by size-exclusion chromatography and organic mass spectrometry. <i>Marine Chemistry</i> , <b>2002</b> , 78, 75-102	3.7	47
42	A comparison of N and C uptake during brown tide ( <i>Aureococcus anophagefferens</i> ) blooms from two coastal bays on the east coast of the USA. <i>Harmful Algae</i> , <b>2004</b> , 3, 361-376	5.3	44
41	Characterization of bulk and chromophoric dissolved organic matter in the Laurentian Great Lakes during summer 2013. <i>Journal of Great Lakes Research</i> , <b>2016</b> , 42, 789-801	3	44
40	Watershed 'Chemical Cocktails': Forming Novel Elemental Combinations in Anthropocene Fresh Waters. <i>Biogeochemistry</i> , <b>2018</b> , 141, 281-305	3.8	43

39	Transformations of the chemical compositions of high molecular weight DOM along a salinity transect: Using two dimensional correlation spectroscopy and principal component analysis approaches. <i>Geochimica Et Cosmochimica Acta</i> , <b>2013</b> , 118, 231-246	5.5	39
38	Seasonal variations in dissolved organic carbon concentrations and characteristics in a shallow coastal bay. <i>Marine Chemistry</i> , <b>2006</b> , 101, 166-179	3.7	38
37	An isotopic ( $\delta^{14}\text{C}$ , $\delta^{13}\text{C}$ , and $\delta^{15}\text{N}$ ) investigation of the composition of particulate organic matter and zooplankton food sources in Lake Superior and across a size-gradient of aquatic systems. <i>Biogeosciences</i> , <b>2012</b> , 9, 3663-3678	4.6	36
36	Radiocarbon and stable carbon isotopic insights into provenance and cycling of carbon in Lake Superior. <i>Limnology and Oceanography</i> , <b>2011</b> , 56, 867-886	4.8	36
35	Evaluating the photoalteration of estuarine dissolved organic matter using direct temperature-resolved mass spectrometry and UV-visible spectroscopy. <i>Aquatic Sciences</i> , <b>2007</b> , 69, 440-455	3.5	36
34	Radiocarbon and stable-isotope geochemistry of organic and inorganic carbon in Lake Superior. <i>Global Biogeochemical Cycles</i> , <b>2012</b> , 26, n/a-n/a	5.9	35
33	Pyr-GC/MS analysis of microplastics extracted from the stomach content of benthivore fish from the Texas Gulf Coast. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 137, 91-95	6.7	35
32	DOM characteristics along the continuum from river to receiving basin: a comparison of freshwater and saline transects. <i>Aquatic Sciences</i> , <b>2010</b> , 72, 403-417	2.5	34
31	Estuarine organic matter composition as probed by direct temperature-resolved mass spectrometry and traditional geochemical techniques. <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 2819-2834	5.5	30
30	Microscale characterization of algal and related particulate organic matter by direct temperature-resolved mass spectrometry. <i>Marine Chemistry</i> , <b>1996</b> , 52, 27-54	3.7	28
29	Effect of organic matter source and salinity on dissolved organic matter isolation via ultrafiltration and solid phase extraction. <i>Aquatic Sciences</i> , <b>2011</b> , 73, 405-417	2.5	25
28	Diagenetic changes in Lake Superior sediments as seen from FTIR and 2D correlation spectroscopy. <i>Organic Geochemistry</i> , <b>2013</b> , 58, 125-136	3.1	24
27	Comparison of Nutrient and Microbial Dynamics over a Seasonal Cycle in a Mid-Atlantic Coastal Lagoon Prone to <i>Aureococcus anophagefferens</i> (Brown Tide) Blooms. <i>Estuaries and Coasts</i> , <b>2009</b> , 32, 1176-1194	2.8	24
26	An investigation of size-fractionated organic matter from Lake Superior and a tributary stream using radiocarbon, stable isotopes and NMR. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 127, 264-284	5.5	22
25	The compositional heterogeneity of particulate organic matter from the surface ocean: an investigation using flow cytometry and DT-MS. <i>Organic Geochemistry</i> , <b>1998</b> , 29, 1561-1582	3.1	22
24	Changes in the molecular-level characteristics of sinking marine particles with water column depth. <i>Geochimica Et Cosmochimica Acta</i> , <b>2003</b> , 67, 4277-4288	5.5	20
23	Dissolved organic matter in Lake Superior: insights into the effects of extraction methods on chemical composition. <i>Environmental Sciences: Processes and Impacts</i> , <b>2015</b> , 17, 1829-40	4.3	18
22	Rapid solid phase extraction of dissolved organic matter. <i>Limnology and Oceanography: Methods</i> , <b>2014</b> , 12, 713-728	2.6	18

21	Photochemical degradation of dissolved organic matter from streams in the western Lake Superior watershed. <i>Aquatic Sciences</i> , <b>2013</b> , 75, 509-522	2.5	18
20	Changes in dissolved organic matter characteristics in Chincoteague Bay during a bloom of the pelagophyte <i>Aureococcus anophagefferens</i> . <i>Estuaries and Coasts</i> , <b>2004</b> , 27, 986-998		17
19	The effect of a flood pulse on the water column of western Lake Superior, USA. <i>Journal of Great Lakes Research</i> , <b>2014</b> , 40, 455-462	3	15
18	Protocol for the Characterization of Oceanic Particles via Flow Cytometric Sorting and Direct Temperature-Resolved Mass Spectrometry. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 2003-2013	7.8	14
17	Constraining the sources and cycling of dissolved organic carbon in a large oligotrophic lake using radiocarbon analyses. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 208, 102-118	5.5	13
16	Organic matter transfer in Lake Superior's food web: Insights from bulk and molecular stable isotope and radiocarbon analyses. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, 149-164	4.8	13
15	Cellular vs. Detrital POM: a preliminary study using fluorescent stains, flow cytometry, and mass spectrometry. <i>Marine Chemistry</i> , <b>2004</b> , 92, 9-21	3.7	13
14	Molecular-level variations in particulate organic matter subclasses along the Mid-Atlantic Bight. <i>Marine Chemistry</i> , <b>1999</b> , 67, 103-122	3.7	13
13	An analysis of microlitter and microplastics from Lake Superior beach sand and surface-water. <i>Science of the Total Environment</i> , <b>2020</b> , 744, 140824	10.2	13
12	Tale of Two Storms: Impact of Extreme Rain Events on the Biogeochemistry of Lake Superior. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 1719-1731	3.7	13
11	Biogeochemical characteristics of settling particulate organic matter in Lake Superior: A seasonal comparison. <i>Organic Geochemistry</i> , <b>2015</b> , 85, 76-88	3.1	9
10	Direct temperature-resolved mass spectrometry as a technique for the semi-quantitative analysis of marine particulate organic matter. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2000</b> , 53, 19-34	6	9
9	Tropical Meromictic Lakes: Specifics of Meromixis and Case Studies of Lakes Tanganyika, Malawi, and Matano. <i>Ecological Studies</i> , <b>2017</b> , 277-323	1.1	6
8	A Seasonal to Interannual View of Inorganic and Organic Carbon and pH in Western Lake Superior. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 405-419	3.7	6
7	Understanding the enhanced aqueous solubility of styrene by terrestrial dissolved organic matter using stable isotope mass balance and FTIR. <i>Organic Geochemistry</i> , <b>2009</b> , 40, 547-552	3.1	6
6	Compositional heterogeneity within oceanic POM : a study using flow cytometry and mass spectrometry <b>1998</b> ,		5
5	Mixing effects on light exposure in a large-lake epilimnion: A preliminary dual-dye study. <i>Limnology and Oceanography: Methods</i> , <b>2016</b> , 14, 542-554	2.6	3
4	A preliminary examination of an in situ dual dye approach to measuring light fluxes in lotic systems. <i>Limnology and Oceanography: Methods</i> , <b>2013</b> , 11, 631-642	2.6	2

3	Dissolved organic matter in large lakes: a key but understudied component of the carbon cycle. <i>Biogeochemistry</i> , 1	3.8	2
2	Dissolved organic matter in Lake Superior: insights into the effects of extraction methods on chemical composition		1
1	Reply to the Comment on "Structural characterization of dissolved organic matter: a review of current techniques for isolation and analysis" by E. C. Minor, M. M. Swenson, B. M. Mattson, and A. R. Oyler, <i>Environ. Sci.: Processes Impacts</i> , 2014, 16, 2064. <i>Environmental Sciences: Processes and Impacts</i> , <b>2015</b> , 17, 497-8	4.3	