

# Christina K Remucal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

2,568  
citations

22  
h-index

46  
g-index

46  
ext. papers

3,170  
ext. citations

7.6  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
42	Seasonal and Spatial Variability of Dissolved Carbon Concentration and Composition in Lake Michigan Tributaries. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2021</b> , 126, e2021JG006449	3.7	0
41	Molecular-Level Insights into the Formation of Traditional and Novel Halogenated Disinfection Byproducts. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 1966-1974		3
40	Selective Reactivity and Oxidation of Dissolved Organic Matter by Manganese Oxides. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12084-12094	10.3	4
39	Patterns and trends of organic matter processing and transport: Insights from the US long-term ecological research network. <i>Climate Change Ecology</i> , <b>2021</b> , 2, 100025		0
38	An international laboratory comparison of dissolved organic matter composition by high resolution mass spectrometry: Are we getting the same answer?. <i>Limnology and Oceanography: Methods</i> , <b>2020</b> , 18, 235-258	2.6	43
37	Role of Reactive Halogen Species in Disinfection Byproduct Formation during Chlorine Photolysis. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9629-9639	10.3	22
36	Organic structure and solid characteristics determine reactivity of phenolic compounds with synthetic and reclaimed manganese oxides. <i>Environmental Science: Water Research and Technology</i> , <b>2020</b> , 6, 540-553	4.2	9
35	Potential changes to the biology and challenges to the management of invasive sea lamprey <i>Petromyzon marinus</i> in the Laurentian Great Lakes due to climate change. <i>Global Change Biology</i> , <b>2020</b> , 26, 1118-1137	11.4	15
34	Evolution of N-Containing Compounds during Hydrothermal Liquefaction of Sewage Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 18303-18313	8.3	15
33	Molecular-Level Transformation of Dissolved Organic Matter during Oxidation by Ozone and Hydroxyl Radical. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 10351-10360	10.3	25
32	Identifying the mechanisms of cation inhibition of phenol oxidation by acid birnessite. <i>Journal of Environmental Quality</i> , <b>2020</b> , 49, 1644-1654	3.4	1
31	Chlorinated Byproduct Formation during the Electrochemical Advanced Oxidation Process at Magnéli Phase TiO Electrodes. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12673-12683	10.3	17
30	The Role of Dissolved Organic Matter Composition in Determining Photochemical Reactivity at the Molecular Level. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11725-11734	10.3	50
29	Impact of bisphenol A influent concentration and reaction time on MnO transformation in a stirred flow reactor. <i>Environmental Sciences: Processes and Impacts</i> , <b>2019</b> , 21, 19-27	4.3	11
28	The Impact of pH and Irradiation Wavelength on the Production of Reactive Oxidants during Chlorine Photolysis. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4450-4459	10.3	73
27	Spatial and temporal variability of perfluoroalkyl substances in the Laurentian Great Lakes. <i>Environmental Sciences: Processes and Impacts</i> , <b>2019</b> , 21, 1816-1834	4.3	19
26	Trace Element Removal in Distributed Drinking Water Treatment Systems by Cathodic HO Production and UV Photolysis. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 195-204	10.3	15

25	Molecular Composition and Photochemical Reactivity of Size-Fractionated Dissolved Organic Matter. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2113-2123	10.3	104
24	Long-term trends and synchrony in dissolved organic matter characteristics in Wisconsin, USA, lakes: Quality, not quantity, is highly sensitive to climate. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 546-561	3.7	32
23	Structural Transformation of MnO during the Oxidation of Bisphenol A. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6053-6062	10.3	53
22	Indirect photodegradation of the lampricides TFM and niclosamide. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 1028-1039	4.3	11
21	A field analysis of lampricide photodegradation in Great Lakes tributaries. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 891-900	4.3	11
20	Large Uncertainty in Estimating pCO <sub>2</sub> From Carbonate Equilibria in Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 2909-2924	3.7	22
19	Relationships Between Dissolved Organic Matter Composition and Photochemistry in Lakes of Diverse Trophic Status. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9624-9632	10.3	66
18	The effect of probe choice and solution conditions on the apparent photoreactivity of dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 1040-1050	4.3	25
17	The effect of advanced secondary municipal wastewater treatment on the molecular composition of dissolved organic matter. <i>Water Research</i> , <b>2017</b> , 122, 42-52	12.5	89
16	Direct Photolysis Rates and Transformation Pathways of the Lampricides TFM and Niclosamide in Simulated Sunlight. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9998-10006	10.3	32
15	Emerging investigators series: the efficacy of chlorine photolysis as an advanced oxidation process for drinking water treatment. <i>Environmental Science: Water Research and Technology</i> , <b>2016</b> , 2, 565-579	4.2	102
14	Enhanced Indirect Photochemical Transformation of Histidine and Histamine through Association with Chromophoric Dissolved Organic Matter. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 5511-9 <sup>10.3</sup>	10.3	31
13	A critical review of the reactivity of manganese oxides with organic contaminants. <i>Environmental Sciences: Processes and Impacts</i> , <b>2014</b> , 16, 1247-66	4.3	166
12	The role of indirect photochemical degradation in the environmental fate of pesticides: a review. <i>Environmental Sciences: Processes and Impacts</i> , <b>2014</b> , 16, 628-53	4.3	143
11	Low molecular weight components in an aquatic humic substance as characterized by membrane dialysis and orbitrap mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9350-9	10.3	72
10	Comment on "Oxidation of sulfoxides and arsenic(III) in corrosion of nanoscale zero valent iron by oxygen: evidence against ferryl ions (Fe(IV)) as active intermediates in Fenton reaction". <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 3177-8; author reply 3179-80	10.3	14
9	Photosensitized amino acid degradation in the presence of riboflavin and its derivatives. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5230-7	10.3	88
8	Oxidative stress induced by zero-valent iron nanoparticles and Fe(II) in human bronchial epithelial cells. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4555-60	10.3	184

7	Factors affecting the yield of oxidants from the reaction of nanoparticulate zero-valent iron and oxygen. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 1262-7	10.3	519
6	Ligand-enhanced reactive oxidant generation by nanoparticulate zero-valent iron and oxygen. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 6936-41	10.3	252
5	Polyoxometalate-enhanced oxidation of organic compounds by nanoparticulate zero-valent iron and ferrous ion in the presence of oxygen. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4921-6	10.3	150
4	Response to Comment on Factors Affecting the Yield of Oxidants from the Reaction of Nanoparticulate Zero-Valent Iron and Oxygen <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 5378-5378	10.3	9
3	Response to Comment on Polyoxometalate-Enhanced Oxidation of Organic Compounds by Nanoparticulate Zero-Valent Iron and Ferrous Ion in the Presence of Oxygen <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 8169-8169	10.3	2
2	Speeding up solar disinfection (SODIS): effects of hydrogen peroxide, temperature, pH, and copper plus ascorbate on the photoinactivation of E. coli. <i>Journal of Water and Health</i> , <b>2008</b> , 6, 35-51	2.2	62
1	Tributary Loading and Sediment Desorption as Sources of PFAS to Receiving Waters. <i>ACS ES&amp;T Water</i> ,		2