## Diane M Mcknight

## List of Publications by Citations

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17,631 126 69 254 h-index g-index citations papers 6.45 267 19,713 5.3 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
254	Spectrofluorometric characterization of dissolved organic matter for indication of precursor organic material and aromaticity. <i>Limnology and Oceanography</i> , <b>2001</b> , 46, 38-48	4.8	1715
253	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , <b>2009</b> , 54, 2298-2314	4.8	1528
252	Fluorescence spectroscopy reveals ubiquitous presence of oxidized and reduced quinones in dissolved organic matter. <i>Environmental Science &amp; Environmental Science &amp; Environme</i>	10.3	1043
251	Quinone Moieties Act as Electron Acceptors in the Reduction of Humic Substances by Humics-Reducing Microorganisms. <i>Environmental Science &amp; Environmental Science &amp; Environmen</i>	10.3	622
250	Characterization of DOM as a function of MW by fluorescence EEM and HPLC-SEC using UVA, DOC, and fluorescence detection. <i>Water Research</i> , <b>2003</b> , 37, 4295-303	12.5	393
249	Hydrological controls on dissolved organic carbon during snowmelt in the Snake River near Montezuma, Colorado. <i>Biogeochemistry</i> , <b>1994</b> , 25, 147-165	3.8	376
248	Antarctic climate cooling and terrestrial ecosystem response. <i>Nature</i> , <b>2002</b> , 415, 517-20	50.4	349
247	Response characteristics of DOC flushing in an alpine catchment <b>1997</b> , 11, 1635-1647		306
246	Sorption of dissolved organic carbon by hydrous aluminum and iron oxides occurring at the confluence of Deer Creek with the Snake River, Summit County, Colorado. <i>Environmental Science &amp; Environmental Science</i>	10.3	305
245	Iron photoreduction and oxidation in an acidic mountain stream. Science, 1988, 240, 637-40	33.3	233
244	Aquatic fulvic acids in algal-rich antarctic ponds. <i>Limnology and Oceanography</i> , <b>1994</b> , 39, 1972-1979	4.8	169
243	Dry Valley Streams in Antarctica: Ecosystems Waiting for Water. <i>BioScience</i> , <b>1999</b> , 49, 985-995	5.7	166
242	The river as a chemostat: fresh perspectives on dissolved organic matter flowing down the river continuum. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2015</b> , 72, 1272-1285	2.4	162
241	Release of weak and strong copper-complexing agents by algae1. <i>Limnology and Oceanography</i> , <b>1979</b> , 24, 823-837	4.8	161
240	Dissolved organic matter sources and consequences for iron and arsenic mobilization in Bangladesh aquifers. <i>Environmental Science &amp; Environmental Sci</i>	10.3	160
239	Carbon limitation of soil respiration under winter snowpacks: potential feedbacks between growing season and winter carbon fluxes. <i>Global Change Biology</i> , <b>2005</b> , 11, 231-238	11.4	159
238	Ancient low-molecular-weight organic acids in permafrost fuel rapid carbon dioxide production upon thaw. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13946-51	11.5	155

237	Chemical Characteristics of Particulate, Colloidal, and Dissolved Organic Material in Loch Vale Watershed, Rocky Mountain National Park. <i>Biogeochemistry</i> , <b>1997</b> , 36, 99-124	3.8	137
236	Chemical characteristics of fulvic acids from Arctic surface waters: Microbial contributions and photochemical transformations. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		132
235	Fulvic acid oxidation state detection using fluorescence spectroscopy. <i>Environmental Science &amp; Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 3170-5	10.3	132
234	Biogeochemistry of Aquatic Humic Substances in Thoreau's Bog, Concord, Massachusetts. <i>Ecology</i> , <b>1985</b> , 66, 1339-1352	4.6	128
233	Sources of dissolved organic matter (DOM) in a Rocky Mountain stream using chemical fractionation and stable isotopes. <i>Biogeochemistry</i> , <b>2005</b> , 74, 231-255	3.8	124
232	Weathering reactions and hyporheic exchange controls on stream water chemistry in a glacial meltwater stream in the McMurdo Dry Valleys. <i>Water Resources Research</i> , <b>2002</b> , 38, 15-1-15-17	5.4	120
231	Probing the oxidation deduction properties of terrestrially and microbially derived dissolved organic matter. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 3003-3015	5.5	119
230	Global change-driven effects on dissolved organic matter composition: Implications for food webs of northern lakes. <i>Global Change Biology</i> , <b>2018</b> , 24, 3692-3714	11.4	118
229	Physical Controls on the Taylor Valley Ecosystem, Antarctica. <i>BioScience</i> , <b>1999</b> , 49, 961-971	5.7	118
228	The relationship between soil heterotrophic activity, soil dissolved organic carbon (DOC) leachate, and catchment-scale DOC export in headwater catchments. <i>Water Resources Research</i> , <b>1999</b> , 35, 1895-	19502	118
227	Microbial life at -13 °C in the brine of an ice-sealed Antarctic lake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20626-31	11.5	117
226	Physical Controls on the Taylor Valley Ecosystem, Antarctica. <i>BioScience</i> , <b>1999</b> , 49, 961	5.7	117
225	Hydrologic response to extreme warm and cold summers in the McMurdo Dry Valleys, East Antarctica. <i>Antarctic Science</i> , <b>2008</b> , 20, 499-509	1.7	115
224	ASSESSMENT OF CLIMATE CHANGE AND FRESHWATER ECOSYSTEMS OF THE ROCKY MOUNTAINS, USA AND CANADA <b>1997</b> , 11, 903-924		111
223	Dissolved Organic Matter Quality in a Shallow Aquifer of Bangladesh: Implications for Arsenic Mobility. <i>Environmental Science &amp; Environmental Science</i>	10.3	110
222	Overview of a simple model describing variation of dissolved organic carbon in an upland catchment. <i>Ecological Modelling</i> , <b>1996</b> , 86, 183-188	3	109
221	Copper Speciation and Binding by Organic Matter in Copper-Contaminated Streamwater. <i>Environmental Science &amp; Environmental Sci</i>	10.3	107
220	Analysis of Transient Storage Subject to Unsteady Flow: Diel Flow Variation in an Antarctic Stream. Journal of the North American Benthological Society, <b>1998</b> , 17, 143-154		105

219	Dry Valley Streams in Antarctica: Ecosystems Waiting for Water. <i>BioScience</i> , <b>1999</b> , 49, 985	5.7	103
218	Effect of instrument-specific response on the analysis of fulvic acid fluorescence spectra. <i>Limnology and Oceanography: Methods</i> , <b>2010</b> , 8, 67-78	2.6	102
217	Inorganic N and P dynamics of Antarctic glacial meltwater streams as controlled by hyporheic exchange and benthic autotrophic communities. <i>Journal of the North American Benthological Society</i> , <b>2004</b> , 23, 171-188		101
216	Effects of asynchronous snowmelt on flushing of dissolved organic carbon: a mixing model approach. <i>Hydrological Processes</i> , <b>2000</b> , 14, 3291-3308	3.3	99
215	Copper complexation by siderophores from filamentous blue-green algae1. <i>Limnology and Oceanography</i> , <b>1980</b> , 25, 62-71	4.8	98
214	Environmental and Agricultural Relevance of Humic Fractions Extracted by Alkali from Soils and Natural Waters. <i>Journal of Environmental Quality</i> , <b>2019</b> , 48, 217-232	3.4	97
213	New insights into the source of decadal increases of dissolved organic matter in acid-sensitive lakes of the northeastern United States. <i>Environmental Science &amp; Environmental Science &amp; Environmenta</i>	10.3	97
212	The Landscape Continuum: A Model for High-Elevation Ecosystems. <i>BioScience</i> , <b>2004</b> , 54, 111	5.7	96
211	Determining long time-scale hyporheic zone flow paths in Antarctic streams. <i>Hydrological Processes</i> , <b>2003</b> , 17, 1691-1710	3.3	89
210	The ecological effect of acid conditions and precipitation of hydrous metal oxides in a Rocky Mountain stream. <i>Hydrobiologia</i> , <b>1984</b> , 119, 129-138	2.4	89
209	Denitrification and hydrologic transient storage in a glacial meltwater stream, McMurdo Dry Valleys, Antarctica. <i>Limnology and Oceanography</i> , <b>2004</b> , 49, 1884-1895	4.8	88
208	Sources and chemical character of dissolved organic carbon across an alpine/subalpine ecotone, Green Lakes Valley, Colorado Front Range, United States. <i>Water Resources Research</i> , <b>2003</b> , 39,	5.4	87
207	LITTER BREAKDOWN IN MOUNTAIN STREAMS AFFECTED BY MINE DRAINAGE: BIOTIC MEDIATION OF ABIOTIC CONTROLS <b>2001</b> , 11, 506-516		87
206	Aquatic fulvic acids in microbially based ecosystems: Results from two desert lakes in Antarctica. <i>Limnology and Oceanography</i> , <b>1991</b> , 36, 998-1006	4.8	87
205	PHYTOPLANKTON DYNAMICS IN A STABLY STRATIFIED ANTARCTIC LAKE DURING WINTER DARKNESS. <i>Journal of Phycology</i> , <b>2000</b> , 36, 852-861	3	86
204	Complexation of copper by aquatic humic substances from different environments. <i>Science of the Total Environment</i> , <b>1983</b> , 28, 65-76	10.2	85
203	Characterization of transport in an acidic and metal-rich mountain stream based on a lithium tracer injection and simulations of transient storage. <i>Water Resources Research</i> , <b>1990</b> , 26, 989-1000	5.4	82
202	Direct observations of aluminosilicate weathering in the hyporheic zone of an Antarctic Dry Valley stream. <i>Geochimica Et Cosmochimica Acta</i> , <b>2002</b> , 66, 1335-1347	5.5	81

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201	Characterization of IHSS Pony Lake fulvic acid dissolved organic matter by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry and fluorescence spectroscopy.  Organic Geochemistry, 2013, 65, 19-28	3.1	79	
200	Climate-change-driven deterioration of water quality in a mineralized watershed. <i>Environmental Science &amp; Environmental Scienc</i>	10.3	78	
199	Biogeochemical stoichiometry of Antarctic Dry Valley ecosystems. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		78	
198	Spatial variations in the geochemistry of glacial meltwater streams in the Taylor Valley, Antarctica. <i>Antarctic Science</i> , <b>2010</b> , 22, 662-672	1.7	77	
197	Characterization of a nitrogen-rich fulvic acid and its precursor algae from solid state NMR. <i>Organic Geochemistry</i> , <b>2007</b> , 38, 1277-1292	3.1	77	
196	Hyporheic exchange and fulvic acid redox reactions in an Alpine stream/wetland ecosystem, Colorado Front Range. <i>Environmental Science &amp; Environmental Science &amp; Environmental</i>	10.3	75	
195	Sources and Age of Aquatic Humus. <i>Ecological Studies</i> , <b>1998</b> , 9-39	1.1	75	
194	Chemical characterization of dissolved organic material in Pony Lake, a saline coastal pond in Antarctica. <i>Marine Chemistry</i> , <b>2004</b> , 89, 327-337	3.7	74	
193	Effects of annual flooding on dissolved organic carbon dynamics within a pristine wetland, the Okavango Delta, Botswana. <i>Wetlands</i> , <b>2005</b> , 25, 622-638	1.7	71	
192	Binding of Polychlorinated Biphenyls to Aquatic Humic Substances: The Role of Substrate and Sorbate Properties on Partitioning. <i>Environmental Science &amp; Environmental Science</i>	10.3	71	
191	Ecological Legacies: Impacts on Ecosystems of the McMurdo Dry Valleys. <i>BioScience</i> , <b>1999</b> , 49, 1009-101	<b>3</b> .7	70	
190	Reactive solute transport in streams: A surface complexation approach for trace metal sorption. <i>Water Resources Research</i> , <b>1999</b> , 35, 3829-3840	5.4	70	
189	Comparison of seasonal changes in fluorescent dissolved organic matter among aquatic lake and stream sites in the Green Lakes Valley. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		69	
188	Sources and fates of dissolved organic carbon in lakes as determined by whole-lake carbon isotope additions. <i>Biogeochemistry</i> , <b>2007</b> , 84, 115-129	3.8	69	
187	Conservative and reactive solute transport in constructed wetlands. <i>Water Resources Research</i> , <b>2004</b> , 40,	5.4	69	
186	Geochemistry of aquatic humic substances in the Lake Fryxell Basin, Antarctica. <i>Biogeochemistry</i> , <b>1996</b> , 34, 157	3.8	69	
185	The chemistry of iron, aluminum and dissolved organic material in three acidic metal-enriched, mountain stream processes. <i>Water Resources Research</i> , <b>1990</b> , 26, 3087-3100	5.4	69	
184	Surface glaciochemistry of Taylor Valley, southern Victoria Land, Antarctica and its relationship to stream chemistry. <i>Hydrological Processes</i> , <b>2003</b> , 17, 115-130	3.3	68	

183	Spectrofluorescence of sediment humic substances and historical changes of lacustrine organic matter provenance in response to atmospheric nutrient enrichment. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 3217-23	10.3	68
182	Climate regulates alpine lake ice cover phenology and aquatic ecosystem structure. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5353-5360	4.9	67
181	Coupling of hydrologic transport and chemical reactions in a stream affected by Acid mine drainage. <i>Environmental Science &amp; amp; Technology</i> , <b>1994</b> , 28, 2065-73	10.3	65
180	Freshwater Ecosystems and Their Management: A National Initiative. <i>Science</i> , <b>1995</b> , 270, 584-585	33.3	64
179	Reactive Solute Transport in an Acidic Stream: Experimental pH Increase and Simulation of Controls on pH, Aluminum, and Iron. <i>Environmental Science &amp; Environmental Science &amp;</i>	10.3	64
178	Identifying fluorescent pulp mill effluent in the Gulf of Maine and its watershed. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 1678-87	6.7	63
177	A model of degradation and production of three pools of dissolved organic matter in an alpine lake. <i>Limnology and Oceanography</i> , <b>2009</b> , 54, 2213-2227	4.8	62
176	Reactivation of a cryptobiotic stream ecosystem in the McMurdo Dry Valleys, Antarctica: A long-term geomorphological experiment. <i>Geomorphology</i> , <b>2007</b> , 89, 186-204	4.3	62
175	CuSO4 treatment of nuisance algal blooms in drinking water reservoirs. <i>Environmental Management</i> , <b>1983</b> , 7, 311-320	3.1	61
174	Diatoms in sediments of perennially ice-covered Lake Hoare, and implications for interpreting lake history in the McMurdo Dry Valleys of Antarctica. <i>Journal of Paleolimnology</i> , <b>1996</b> , 17, 403-420	2.1	59
173	Experimental investigations into processes controlling stream and hyporheic temperatures, Fryxell Basin, Antarctica. <i>Advances in Water Resources</i> , <b>2006</b> , 29, 130-153	4.7	58
172	Influences of water and substrate quality for periphyton in a montane stream affected by acid mine drainage. <i>Limnology and Oceanography</i> , <b>1999</b> , 44, 804-809	4.8	58
171	Hydrologic controls on the transport and cycling of carbon and nitrogen in a boreal catchment underlain by continuous permafrost. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2013</b> , 118, 698-7	7₹2	57
170	pH dependence of iron photoreduction in a rocky mountain stream affected by acid mine drainage. <i>Hydrological Processes</i> , <b>2001</b> , 15, 1979-1992	3.3	57
169	Phosphate dynamics in an acidic mountain stream: Interactions involving algal uptake, sorption by iron oxide, and photoreduction. <i>Limnology and Oceanography</i> , <b>1995</b> , 40, 938-946	4.8	57
168	Redox processes controlling manganese fate and transport in a mountain stream. <i>Environmental Science &amp; Environmental </i>	10.3	56
167	Reactive iron transport in an acidic mountain stream in Summit County, Colorado: A hydrologic perspective. <i>Geochimica Et Cosmochimica Acta</i> , <b>1989</b> , 53, 2225-2234	5.5	56
166	Sources of dissolved and particulate organic material in Loch Vale Watershed, Rocky Mountain National Park, Colorado, USA. <i>Biogeochemistry</i> , <b>1991</b> , 15, 89	3.8	55

165	From the litter layer to the saprolite: Chemical changes in water-soluble soil organic matter and their correlation to microbial community composition. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 68, 166-176	7.5	54	
164	Photooxidation of wetland and riverine dissolved organic matter: altered copper complexation and organic composition. <i>Hydrobiologia</i> , <b>2007</b> , 579, 95-113	2.4	54	
163	A Stable Isotopic Investigation of a Polar Desert Hydrologic System, McMurdo Dry Valleys, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 60-71	1.8	54	
162	Diel Variations in Iron Chemistry in an Acidic Stream in the Colorado Rocky Mountains, U.S.A <i>Arctic and Alpine Research</i> , <b>1988</b> , 20, 492		54	
161	Effect of instrument-specific response on the analysis of fulvic acid fluorescence spectra. <i>Limnology and Oceanography: Methods</i> , <b>2010</b> , 8, 67-78	2.6	52	
160	Microbial formation of labile organic carbon in Antarctic glacial environments. <i>Nature Geoscience</i> , <b>2017</b> , 10, 356-359	18.3	51	
159	The microbial plankton of Lake Fryxell, southern Victoria Land, Antarctica during the summers of 1992 and 1994. <i>Polar Biology</i> , <b>1997</b> , 17, 54-61	2	51	
158	Changes in fulvic acid redox state through the oxycline of a permanently ice-covered Antarctic lake. <i>Aquatic Sciences</i> , <b>2004</b> , 66, 27-46	2.5	51	
157	In-stream sorption of fulvic acid in an acidic stream: A stream-scale transport experiment. <i>Water Resources Research</i> , <b>2002</b> , 38, 6-1-6-12	5.4	51	
156	New light on a dark subject: comment. <i>Aquatic Sciences</i> , <b>2010</b> , 72, 269-275	2.5	50	
155	Phytoplankton population dynamics in perennially ice-covered Lake Fryxell, Antarctica. <i>Journal of Plankton Research</i> , <b>1994</b> , 16, 527-541	2.2	50	
154	Dissolved fulvic acids from a high arsenic aquifer shuttle electrons to enhance microbial iron reduction. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 1390-1395	10.2	49	
153	Rapid runoff via shallow throughflow and deeper preferential flow in a boreal catchment underlain by frozen silt (Alaska, USA). <i>Hydrogeology Journal</i> , <b>2013</b> , 21, 93-106	3.1	48	
152	Antarctic climate cooling and response of diatoms in glacial meltwater streams. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	48	
151	Evaluation of natural tracers in an acidic and metal-rich stream. Water Resources Research, 1987, 23, 827	7-§3.46	48	
150	The ecology of pulse events: insights from an extreme climatic event in a polar desert ecosystem. <i>Ecosphere</i> , <b>2012</b> , 3, art17	3.1	47	
149	Seasonal relationships between planktonic microorganisms and dissolved organic material in an alpine stream. <i>Biogeochemistry</i> , <b>1993</b> , 21, 39-59	3.8	47	
148	Decadal ecosystem response to an anomalous melt season in a polar desert in Antarctica. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 1334-1338	12.3	46	

147	Ecological Legacies: Impacts on Ecosystems of the McMurdo Dry Valleys. <i>BioScience</i> , <b>1999</b> , 49, 1009	5.7	46
146	Communicating with the public: opportunities and rewards for individual ecologists. <i>Frontiers in Ecology and the Environment</i> , <b>2010</b> , 8, 292-298	5.5	45
145	Inland diatoms from the McMurdo Dry Valleys and James Ross Island, Antarctica. <i>Botany</i> , <b>2008</b> , 86, 1378	3113392	45
144	Effects of short-term drying and irrigation on CO2 and CH4 production and emission from mesocosms of a northern bog and an alpine fen. <i>Biogeochemistry</i> , <b>2010</b> , 100, 89-103	3.8	44
143	Bacterial dissolved organic carbon demand in McMurdo Dry Valley lakes, Antarctica. <i>Limnology and Oceanography</i> , <b>2001</b> , 46, 1189-1194	4.8	44
142	Diel variation in element concentrations, Peru Creek, Summit County, Colorado. <i>Journal of Geochemical Exploration</i> , <b>1998</b> , 64, 141-145	3.8	43
141	Chemical characterization of DOM in channels of a seasonal wetland. <i>Aquatic Sciences</i> , <b>2007</b> , 69, 456-47	<b>1</b> 2.5	43
140	Hydrological Connectivity of the Landscape of the McMurdo Dry Valleys, Antarctica. <i>Geography Compass</i> , <b>2011</b> , 5, 666-681	2.4	41
139	Alpine lake optical properties as sentinels of dust deposition and global change. <i>Limnology and Oceanography</i> , <b>2009</b> , 54, 2386-2400	4.8	41
138	Sensitivity analysis of conservative and reactive stream transient storage models applied to field data from multiple-reach experiments. <i>Advances in Water Resources</i> , <b>2005</b> , 28, 479-492	4.7	41
137	Factors controlling streambed coverage of Didymosphenia geminata in two regulated streams in the Colorado Front Range. <i>Hydrobiologia</i> , <b>2009</b> , 630, 207-218	2.4	39
136	Hydrologic processes influence diatom community composition in Dry Valley streams. <i>Journal of the North American Benthological Society</i> , <b>2011</b> , 30, 1057-1073		38
135	Photochemical control of copper complexation by dissolved organic matter in Rocky Mountain streams, Colorado. <i>Limnology and Oceanography</i> , <b>2007</b> , 52, 766-779	4.8	38
134	Seasonal varability of metals transport through a wetland impacted by mine drainage in the Rocky Mountains. <i>Environmental Science &amp; Environmental Sci</i>	10.3	38
133	Stratification and dynamics of microbial loop communities in Lake Fryxell, Antarctica. <i>Freshwater Biology</i> , <b>2000</b> , 44, 649-661	3.1	38
132	Chemical and biological processes controlling the response of a freshwater ecosystem to copper stress: A field study of the CuSO4 treatment of Mill Pond Reservoir, Burlington, Massachusetts. Limnology and Oceanography, 1981, 26, 618-531	4.8	38
131	Characterizing chlorine oxidation of dissolved organic matter and disinfection by-product formation with fluorescence spectroscopy and parallel factor analysis. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		37
130	Phytoplankton Dynamics in Three Rocky Mountain Lakes, Colorado, U.S.A <i>Arctic and Alpine Research</i> , <b>1990</b> , 22, 264		37

## (2009-2013)

129	Bacteria and diatom co-occurrence patterns in microbial mats from polar desert streams. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 1115-31	5.2	36
128	Canada Stream: A Glacial Meltwater Stream in Taylor Valley, South Victoria Land, Antarctica.  Journal of the North American Benthological Society, <b>1997</b> , 16, 14-17		36
127	Abiotic and biotic factors influencing the mobility of arsenic in groundwater of a through-flow island in the Okavango Delta, Botswana. <i>Journal of Hydrology</i> , <b>2014</b> , 518, 326-341	6	35
126	Reactive Solute Transport in Streams: 2. Simulation of a pH Modification Experiment. <i>Water Resources Research</i> , <b>1996</b> , 32, 419-430	5.4	35
125	Using Humic Fractions to Understand Natural Organic Matter Processes in Soil and Water: Selected Studies and Applications. <i>Journal of Environmental Quality</i> , <b>2019</b> , 48, 1633-1643	3.4	34
124	Life in the Main Channel: Long-Term Hydrologic Control of Microbial Mat Abundance in McMurdo Dry Valley Streams, Antarctica. <i>Ecosystems</i> , <b>2015</b> , 18, 310-327	3.9	33
123	Spatial and Temporal Active Layer Dynamics along Three Glacial Meltwater Streams in the McMurdo Dry Valleys, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 42-53	1.8	33
122	Environmental factors influencing diatom communities in Antarctic cryoconite holes. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 045006	6.2	32
121	A temperature-index model of stream flow at below-freezing temperatures in Taylor Valley, Antarctica. <i>Annals of Glaciology</i> , <b>2005</b> , 40, 76-82	2.5	32
120	Fluorescence Indices and Their Interpretation303-338		31
119	Fluorescence Indices and Their Interpretation303-338  Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. Environmental Science & Environmental	10.3	30
	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic	10.3	30
119	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. <i>Environmental Science &amp; Environmental Scie</i>		30
119	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. <i>Environmental Science &amp; Environmental Scie</i>	10.3	30
119 118 117	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. <i>Environmental Science &amp; Environmental Scie</i>	10.3	30 30 29
119 118 117 116	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. <i>Environmental Science &amp; Environmental Scie</i>	10.3 1.7 7.8	30 30 29 29
119 118 117 116	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. <i>Environmental Science &amp; Dissolved organic matter accumulation, reactivity, and redox state in ground water of a recharge wetland. Wetlands, 2008, 28, 747-759</i> Effects of Spatial Variability and Relic DNA Removal on the Detection of Temporal Dynamics in Soil Microbial Communities. <i>MBio, 2020, 11,</i> Diel flow pulses drive particulate organic matter transport from microbial mats in a glacial meltwater stream in the McMurdo Dry Valleys. <i>Water Resources Research, 2014, 50, 86-97</i> Dissolved organic matter transport reflects hillslope to stream connectivity during snowmelt in a	10.3 1.7 7.8 5.4	30 30 29 29 27

111	Transport and cycling of iron and hydrogen peroxide in a freshwater stream: Influence of organic acids. <i>Water Resources Research</i> , <b>2003</b> , 39,	5.4	26
110	Simulating unsteady flow, anabranching, and hyporheic dynamics in a glacial meltwater stream using a coupled surface water routing and groundwater flow model. <i>Water Resources Research</i> , <b>2011</b> , 47,	5.4	25
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