

Diane M Mcknight

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.

254
papers

17,631
citations

69
h-index

126
g-index

267
ext. papers

19,713
ext. citations

5.3
avg, IF

6.45
L-index

#	Paper	IF	Citations
254	Long-term ecological research and the COVID-19 anthropause: A window to understanding social-ecological disturbance.. <i>Ecosphere</i> , 2022 , 13, e4019	3.1	1
253	Blowin' in the wind: Dispersal, structure, and metacommunity dynamics of aeolian diatoms in the McMurdo Sound region, Antarctica. <i>Journal of Phycology</i> , 2021 ,	3	1
252	Effects of hydrologic variability and remedial actions on first flush and metal loading from streams draining the Silverton caldera, 1992-2014. <i>Hydrological Processes</i> , 2021 , 35, e14412	3.3	0
251	Connectivity: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03433	3.1	1
250	The Role of Hyporheic Connectivity in Determining Nitrogen Availability: Insights From an Intermittent Antarctic Stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2021JG006309	3.7	1
249	Geochemistry of contrasting stream types, Taylor Valley, Antarctica. <i>Bulletin of the Geological Society of America</i> , 2021 , 133, 425-448	3.9	2
248	Diatoms in Hyporheic Sediments Trace Organic Matter Retention and Processing in the McMurdo Dry Valleys, Antarctica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126,	3.7	1
247	Enhanced Rare Earth Element Mobilization in a Mountain Watershed of the Colorado Mineral Belt with Concomitant Detection in Aquatic Biota: Increasing Climate Change-Driven Degradation to Water Quality. <i>Environmental Science & Technology</i> , 2021 , 55, 14378-14388	10.3	1
246	Supporting Simultaneous Air Revitalization and Thermal Control in a Crewed Habitat With Temperate and Eurythermic Antarctic Chlorophyta. <i>Frontiers in Microbiology</i> , 2021 , 12, 709746	5.7	0
245	Silicon Isotopes Reveal a Non-glacial Source of Silicon to Crescent Stream, McMurdo Dry Valleys, Antarctica. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	5
244	Geochemistry of aeolian material from the McMurdo Dry Valleys, Antarctica: Insights into Southern Hemisphere dust sources. <i>Earth and Planetary Science Letters</i> , 2020 , 547, 116460	5.3	5
243	Experimental effects of elevated temperature and nitrogen deposition on high-elevation aquatic communities. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	1
242	The life aquatic in high relief: shifts in the physical and biological characteristics of alpine lakes along an elevation gradient in the Rocky Mountains, USA. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	3
241	Dynamic changes in dissolved organic matter composition in a Mountain Lake under ice cover and relationships to changes in nutrient cycling and phytoplankton community composition. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	4
240	Biofuel Burning Influences Refractory Black Carbon Concentrations in Seasonal Snow at Lower Elevations of the Dudh Koshi River Basin of Nepal. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	3
239	Silicon Isotopic Composition of Dry and Wet-Based Glaciers in Antarctica. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	3
238	Evaluating Alternative Metacommunity Hypotheses for Diatoms in the McMurdo Dry Valleys Using Simulations and Remote Sensing Data. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	1

237	Effects of Spatial Variability and Relic DNA Removal on the Detection of Temporal Dynamics in Soil Microbial Communities. <i>MBio</i> , 2020 , 11,	7.8	29
236	Diurnal chemistry of two contrasting stream types, Taylor Valley, McMurdo Dry Valley Region, Antarctica. <i>E3S Web of Conferences</i> , 2019 , 98, 01020	0.5	
235	Sabbea gen. nov., a new diatom genus (Bacillariophyta) from continental Antarctica. <i>Phytotaxa</i> , 2019 , 418, 42-56	0.7	3
234	Environmental and Agricultural Relevance of Humic Fractions Extracted by Alkali from Soils and Natural Waters. <i>Journal of Environmental Quality</i> , 2019 , 48, 217-232	3.4	97
233	Using Humic Fractions to Understand Natural Organic Matter Processes in Soil and Water: Selected Studies and Applications. <i>Journal of Environmental Quality</i> , 2019 , 48, 1633-1643	3.4	34
232	The Hydroecology of an Ephemeral Wetland in the McMurdo Dry Valleys, Antarctica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 3814-3830	3.7	3
231	Global change-driven effects on dissolved organic matter composition: Implications for food webs of northern lakes. <i>Global Change Biology</i> , 2018 , 24, 3692-3714	11.4	118
230	Near-Surface Refractory Black Carbon Observations in the Atmosphere and Snow in the McMurdo Dry Valleys, Antarctica, and Potential Impacts of Foehn Winds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 2877-2887	4.4	16
229	Long-Term Experimental Acidification Drives Watershed Scale Shift in Dissolved Organic Matter Composition and Flux. <i>Environmental Science & Technology</i> , 2018 , 52, 2649-2657	10.3	13
228	A Tribute to George R. Aiken. <i>Environmental Science & Technology</i> , 2018 , 52, 4489	10.3	1
227	Dissolved fulvic acids from a high arsenic aquifer shuttle electrons to enhance microbial iron reduction. <i>Science of the Total Environment</i> , 2018 , 615, 1390-1395	10.2	49
226	Spatial and temporal patterns of microbial mats and associated invertebrates along an Antarctic stream. <i>Polar Biology</i> , 2018 , 41, 1911-1921	2	4
225	Oligotrophic wetland sediments susceptible to shifts in microbiomes and mercury cycling with dissolved organic matter addition. <i>PeerJ</i> , 2018 , 6, e4575	3.1	6
224	High Pressure Size Exclusion Chromatography (HPSEC) Determination of Dissolved Organic Matter Molecular Weight Revisited: Accounting for Changes in Stationary Phases, Analytical Standards, and Isolation Methods. <i>Environmental Science & Technology</i> , 2018 , 52, 722-730	10.3	18
223	Aeolian Material Transport and Its Role in Landscape Connectivity in the McMurdo Dry Valleys, Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 3323-3337	3.8	11
222	Catch and release: Hyporheic retention and mineralization of N-fixing Nostoc sustains downstream microbial mat biomass in two polar desert streams. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 357-364	7.9	11
221	Transit Times and Rapid Chemical Equilibrium Explain Chemostasis in Glacial Meltwater Streams in the McMurdo Dry Valleys, Antarctica. <i>Geophysical Research Letters</i> , 2018 , 45, 13,322	4.9	14
220	Relationship between dissolved organic matter quality and microbial community composition across polar glacial environments. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	14

219	Hydrologic connectivity and implications for ecosystem processes - Lessons from naked watersheds. <i>Geomorphology</i> , 2017 , 277, 63-71	4.3	26
218	Impacts of coal dust from an active mine on the spectral reflectance of Arctic surface snow in Svalbard, Norway. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1767-1778	4.4	18
217	DebatesHypothesis testing in hydrology: A view from the field: The value of hydrologic hypotheses in designing field studies and interpreting the results to advance hydrology. <i>Water Resources Research</i> , 2017 , 53, 1779-1783	5.4	7
216	Biogeophysical properties of an expansive Antarctic supraglacial stream. <i>Antarctic Science</i> , 2017 , 29, 33-44	1.7	5
215	Dissolved black carbon in the global cryosphere: Concentrations and chemical signatures. <i>Geophysical Research Letters</i> , 2017 , 44, 6226-6234	4.9	21
214	Microbial formation of labile organic carbon in Antarctic glacial environments. <i>Nature Geoscience</i> , 2017 , 10, 356-359	18.3	51
213	Freshwater diatom biogeography and the genus <i>Luticola</i> : an extreme case of endemism in Antarctica. <i>Polar Biology</i> , 2017 , 40, 1185-1196	2	24
212	Decadal ecosystem response to an anomalous melt season in a polar desert in Antarctica. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1334-1338	12.3	46
211	Concentration-discharge relationships during an extreme event: Contrasting behavior of solutes and changes to chemical quality of dissolved organic material in the Boulder Creek Watershed during the September 2013 flood. <i>Water Resources Research</i> , 2017 , 53, 5276-5297	5.4	15
210	Thermal autecology describes the occurrence patterns of four benthic diatoms in McMurdo Dry Valley streams. <i>Polar Biology</i> , 2017 , 40, 2381-2396	2	7
209	Climate regulates alpine lake ice cover phenology and aquatic ecosystem structure. <i>Geophysical Research Letters</i> , 2016 , 43, 5353-5360	4.9	67
208	Dissolved black carbon in Antarctic lakes: Chemical signatures of past and present sources. <i>Geophysical Research Letters</i> , 2016 , 43, 5750-5757	4.9	19
207	Variation of organic matter quantity and quality in streams at Critical Zone Observatory watersheds. <i>Water Resources Research</i> , 2016 , 52, 8202-8216	5.4	14
206	Patterns of hydrologic connectivity in the McMurdo Dry Valleys, Antarctica: a synthesis of 20 years of hydrologic data. <i>Hydrological Processes</i> , 2016 , 30, 2958-2975	3.3	24
205	Characterization of dissolved organic material in the interstitial brine of Lake Vida, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 183, 63-78	5.5	15
204	Stream biogeochemical and suspended sediment responses to permafrost degradation in stream banks in Taylor Valley, Antarctica. <i>Biogeosciences</i> , 2016 , 13, 1723-1732	4.6	12
203	Hydrological Controls on Ecosystem Dynamics in Lake Fryxell, Antarctica. <i>PLoS ONE</i> , 2016 , 11, e0159038	3.7	1
202	Dissolved organic matter transport reflects hillslope to stream connectivity during snowmelt in a montane catchment. <i>Water Resources Research</i> , 2016 , 52, 4905-4923	5.4	27

201	Nutrient treatments alter microbial mat colonization in two glacial meltwater streams from the McMurdo Dry Valleys, Antarctica. <i>FEMS Microbiology Ecology</i> , 2016 , 92, fiw049	4.3	14
200	Evidence for dispersal and habitat controls on pond diatom communities from the McMurdo Sound Region of Antarctica. <i>Polar Biology</i> , 2016 , 39, 2441-2456	2	20
199	Patterns of bacterial biodiversity in the glacial meltwater streams of the McMurdo Dry Valleys, Antarctica. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	25
198	A slide down a slippery slope Alpine ecosystem responses to nitrogen deposition. <i>Plant Ecology and Diversity</i> , 2015 , 8, 727-738	2.2	22
197	Dissolved Organic Matter Quality in a Shallow Aquifer of Bangladesh: Implications for Arsenic Mobility. <i>Environmental Science & Technology</i> , 2015 , 49, 10815-24	10.3	110
196	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> , 2015 , 72, 1272-1285	2.4	162
195	Life in the Main Channel: Long-Term Hydrologic Control of Microbial Mat Abundance in McMurdo Dry Valley Streams, Antarctica. <i>Ecosystems</i> , 2015 , 18, 310-327	3.9	33
194	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> , 2015 , 112, 13946-51	11.5	155
193	Antarctic streams as a potential source of iron for the Southern Ocean: Figure 1.. <i>Geology</i> , 2015 , 43, 1003-1006	14	
192	Recovery of Antarctic stream epilithon from simulated scouring events. <i>Antarctic Science</i> , 2015 , 27, 341-354	8	
191	Pressure-driven, shoreline currents in a perennially ice-covered, pro-glacial lake in Antarctica, identified from a LiCl tracer injected into a pro-glacial stream. <i>Hydrological Processes</i> , 2015 , 29, 2212-2231	3	
190	Potential for real-time understanding of coupled hydrologic and biogeochemical processes in stream ecosystems: Future integration of telemetered data with process models for glacial meltwater streams. <i>Water Resources Research</i> , 2015 , 51, 6725-6738	5.4	6
189	Photochemical and Microbial Processes Influencing Iron-Humic Interactions in Stream and Lake Sediments 2015 , 351-369		2
188	Limnology of the Green Lakes Valley: phytoplankton ecology and dissolved organic matter biogeochemistry at a long-term ecological research site. <i>Plant Ecology and Diversity</i> , 2015 , 8, 689-702	2.2	14
187	Children's book series and associated curricula support elementary education and outreach in water resources. <i>Plant Ecology and Diversity</i> , 2015 , 8, 795-804	2.2	1
186	An overview of research from a high elevation landscape: the Niwot Ridge, Colorado Long Term Ecological Research programme. <i>Plant Ecology and Diversity</i> , 2015 , 8, 597-605	2.2	11
185	Influence of leaching solution and catchment location on the fluorescence of water-soluble organic matter. <i>Environmental Science & Technology</i> , 2015 , 49, 4425-32	10.3	30
184	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> , 2014 , 68, 166-176	7.5	54

183	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</i> , 2014 , 50, 86-97	5.4	27
182	Fractionation of fulvic acid by iron and aluminum oxides--influence on copper toxicity to <i>Ceriodaphnia dubia</i> . <i>Environmental Science & Technology</i> , 2014 , 48, 11934-43	10.3	10
181	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> , 2014 , 518, 326-341	6	35
180	Bacteria and diatom co-occurrence patterns in microbial mats from polar desert streams. <i>Environmental Microbiology</i> , 2013 , 15, 1115-31	5.2	36
179	Characterization of IHSS Pony Lake fulvic acid dissolved organic matter by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry and fluorescence spectroscopy. <i>Organic Geochemistry</i> , 2013 , 65, 19-28	3.1	79
178	Rapid runoff via shallow throughflow and deeper preferential flow in a boreal catchment underlain by frozen silt (Alaska, USA). <i>Hydrogeology Journal</i> , 2013 , 21, 93-106	3.1	48
177	Hydrodynamic shear removal of the nuisance stalk-forming diatom <i>Didymosphenia geminata</i> . <i>Limnology & Oceanography Fluids & Environments</i> , 2013 , 3, 256-268		7
176	Physicochemical and biological dynamics in a coastal Antarctic lake as it transitions from frozen to open water. <i>Antarctic Science</i> , 2013 , 25, 663-675	1.7	5
175	Modeling Nitrogen Transformations in Dry Valley Streams, Antarctica. <i>Antarctic Research Series</i> , 2013 , 141-151		1
174	Longitudinal Patterns in Algal Abundance and Species Distribution In Meltwater Streams In Taylor Valley, Southern Victoria Land, Antarctica. <i>Antarctic Research Series</i> , 2013 , 109-127		18
173	Microbial growth under humic-free conditions in a supraglacial stream system on the Cotton Glacier, Antarctica. <i>Environmental Research Letters</i> , 2013 , 8, 035022	6.2	19
172	Environmental factors influencing diatom communities in Antarctic cryoconite holes. <i>Environmental Research Letters</i> , 2013 , 8, 045006	6.2	32
171	The role of dissolved organic matter (DOM) quality in the growth enhancement of <i>Alexandrium fundyense</i> (Dinophyceae) in laboratory culture(1). <i>Journal of Phycology</i> , 2013 , 49, 546-54	3	5
170	Characterization of fulvic acid fractions of dissolved organic matter during ice-out in a hyper-eutrophic, coastal pond in Antarctica. <i>Environmental Research Letters</i> , 2013 , 8, 045015	6.2	18
169	Hydrologic Processes Influencing Streamflow Variation in Fryxell Basin, Antarctica. <i>Antarctic Research Series</i> , 2013 , 93-108		23
168	Quantifying sources of increasing zinc from acid rock drainage in an alpine catchment under a changing hydrologic regime. <i>Hydrological Processes</i> , 2013 , 27, 721-733	3.3	9
167	The influence of stream thermal regimes and preferential flow paths on hyporheic exchange in a glacial meltwater stream. <i>Water Resources Research</i> , 2013 , 49, 5552-5569	5.4	18
166	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> , 2013 , 118, 698-717	3.7	57

165	Geochemical Linkages Among Glaciers, Streams and Lakes Within the Taylor Valley, Geochemical Linkages Among Glaciers, Streams And Lakes Within The Taylor Valley, Antarctica. <i>Antarctic Research Series</i> , 2013 , 77-92		11
164	Spectral evaluation of watershed DOM and DBP precursors. <i>Journal - American Water Works Association</i> , 2013 , 105, E173-E188	0.5	11
163	Identifying fluorescent pulp mill effluent in the Gulf of Maine and its watershed. <i>Marine Pollution Bulletin</i> , 2012 , 64, 1678-87	6.7	63
162	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> , 2012 , 109, 20626-31	11.5	117
161	Climate-change-driven deterioration of water quality in a mineralized watershed. <i>Environmental Science & Technology</i> , 2012 , 46, 9324-32	10.3	78
160	New insights into the source of decadal increases of dissolved organic matter in acid-sensitive lakes of the northeastern United States. <i>Environmental Science & Technology</i> , 2012 , 46, 3212-9	10.3	97
159	The role of dissolved organic matter in arctic surface waters in the photolysis of hexachlorobenzene and lindane. <i>Journal of Geophysical Research</i> , 2012 , 117,		13
158	Carbon, metals, and grain size correlate with bacterial community structure in sediments of a high arsenic aquifer. <i>Frontiers in Microbiology</i> , 2012 , 3, 82	5.7	19
157	The ecology of pulse events: insights from an extreme climatic event in a polar desert ecosystem. <i>Ecosphere</i> , 2012 , 3, art17	3.1	47
156	Automated measurement of diatom size. <i>Limnology and Oceanography: Methods</i> , 2012 , 10, 882-890	2.6	19
155	Hydrologic processes influence diatom community composition in Dry Valley streams. <i>Journal of the North American Benthological Society</i> , 2011 , 30, 1057-1073		38
154	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> , 2011 , 47,	5.4	25
153	When a habitat freezes solid: microorganisms over-winter within the ice column of a coastal Antarctic lake. <i>FEMS Microbiology Ecology</i> , 2011 , 76, 401-12	4.3	22
152	Hydrological Connectivity of the Landscape of the McMurdo Dry Valleys, Antarctica. <i>Geography Compass</i> , 2011 , 5, 666-681	2.4	41
151	15N and 13C{14N} NMR investigation of the major nitrogen-containing segment in an aquatic fulvic acid: evidence for a hydantoin derivative. <i>Magnetic Resonance in Chemistry</i> , 2011 , 49, 775-80	2.1	13
150	Spectral Methods to Advance Understanding of Dissolved Organic Carbon Dynamics in Forested Catchments. <i>Ecological Studies</i> , 2011 , 117-135	1.1	23
149	Effect of instrument-specific response on the analysis of fulvic acid fluorescence spectra. <i>Limnology and Oceanography: Methods</i> , 2010 , 8, 67-78	2.6	52
148	Communicating with the public: opportunities and rewards for individual ecologists. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, 292-298	5.5	45

147	Dissolved organic matter sources and consequences for iron and arsenic mobilization in Bangladesh aquifers. <i>Environmental Science & Technology</i> , 2010 , 44, 123-8	10.3	160
146	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> , 2010 , 115,		69
145	Effect of unsteady flow on nitrate loss in an oligotrophic, glacial meltwater stream. <i>Journal of Geophysical Research</i> , 2010 , 115,		14
144	Effects of short-term drying and irrigation on electron flow in mesocosms of a northern bog and an alpine fen. <i>Environmental Science & Technology</i> , 2010 , 44, 80-6	10.3	30
143	Overcoming 'Ecophobia'—fostering environmental empathy through narrative in children's science literature. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, e10-e15	5.5	13
142	Spatial variations in the geochemistry of glacial meltwater streams in the Taylor Valley, Antarctica. <i>Antarctic Science</i> , 2010 , 22, 662-672	1.7	77
141	New light on a dark subject: comment. <i>Aquatic Sciences</i> , 2010 , 72, 269-275	2.5	50
140	Effects of short-term drying and irrigation on CO ₂ and CH ₄ production and emission from mesocosms of a northern bog and an alpine fen. <i>Biogeochemistry</i> , 2010 , 100, 89-103	3.8	44
139	Physiochemical properties influencing biomass abundance and primary production in Lake Hoare, Antarctica. <i>Ecological Modelling</i> , 2010 , 221, 1184-1193	3	6
138	Effect of instrument-specific response on the analysis of fulvic acid fluorescence spectra. <i>Limnology and Oceanography: Methods</i> , 2010 , 8, 67-78	2.6	102
137	Factors controlling streambed coverage of <i>Didymosphenia geminata</i> in two regulated streams in the Colorado Front Range. <i>Hydrobiologia</i> , 2009 , 630, 207-218	2.4	39
136	Production of microbially-derived fulvic acid from photolysis of quinone-containing extracellular products of phytoplankton. <i>Aquatic Sciences</i> , 2009 , 71, 170-178	2.5	26
135	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> , 2009 , 114,		37
134	Response of the Phytoplankton Community in an Alpine Lake to Drought Conditions: Colorado Rocky Mountain Front Range, U.S.A. <i>Arctic, Antarctic, and Alpine Research</i> , 2009 , 41, 191-203	1.8	14
133	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009 , 54, 2298-2314	4.8	1528
132	A model of degradation and production of three pools of dissolved organic matter in an alpine lake. <i>Limnology and Oceanography</i> , 2009 , 54, 2213-2227	4.8	62
131	Alpine lake optical properties as sentinels of dust deposition and global change. <i>Limnology and Oceanography</i> , 2009 , 54, 2386-2400	4.8	41
130	Inland diatoms from the McMurdo Dry Valleys and James Ross Island, Antarctica. <i>Botany</i> , 2008 , 86, 1378-1392	1.3	45

129	Effects of Nutrient Enrichment on Phytoplankton in an Alpine Lake, Colorado, U.S.A. <i>Arctic, Antarctic, and Alpine Research</i> , 2008 , 40, 55-64	1.8	24
128	Hydrologic response to extreme warm and cold summers in the McMurdo Dry Valleys, East Antarctica. <i>Antarctic Science</i> , 2008 , 20, 499-509	1.7	115
127	Dissolved organic matter accumulation, reactivity, and redox state in ground water of a recharge wetland. <i>Wetlands</i> , 2008 , 28, 747-759	1.7	29
126	High-latitude rivers and streams 2008 , 83-102		8
125	Biogeochemical stoichiometry of Antarctic Dry Valley ecosystems. <i>Journal of Geophysical Research</i> , 2007 , 112,		78
124	Chemical characteristics of fulvic acids from Arctic surface waters: Microbial contributions and photochemical transformations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		132
123	Chemical characterization of DOM in channels of a seasonal wetland. <i>Aquatic Sciences</i> , 2007 , 69, 456-471	2.5	43
122	Effects of acid rock drainage on stocked rainbow trout (<i>Oncorhynchus mykiss</i>): an in-situ, caged fish experiment. <i>Environmental Monitoring and Assessment</i> , 2007 , 130, 111-27	3.1	8
121	Photooxidation of wetland and riverine dissolved organic matter: altered copper complexation and organic composition. <i>Hydrobiologia</i> , 2007 , 579, 95-113	2.4	54
120	Sources and fates of dissolved organic carbon in lakes as determined by whole-lake carbon isotope additions. <i>Biogeochemistry</i> , 2007 , 84, 115-129	3.8	69
119	Photochemical control of copper complexation by dissolved organic matter in Rocky Mountain streams, Colorado. <i>Limnology and Oceanography</i> , 2007 , 52, 766-779	4.8	38
118	Characterization of a nitrogen-rich fulvic acid and its precursor algae from solid state NMR. <i>Organic Geochemistry</i> , 2007 , 38, 1277-1292	3.1	77
117	Probing the oxidation/reduction properties of terrestrially and microbially derived dissolved organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 3003-3015	5.5	119
116	Reactivation of a cryptobiotic stream ecosystem in the McMurdo Dry Valleys, Antarctica: A long-term geomorphological experiment. <i>Geomorphology</i> , 2007 , 89, 186-204	4.3	62
115	Experimental investigations into processes controlling stream and hyporheic temperatures, Fryxell Basin, Antarctica. <i>Advances in Water Resources</i> , 2006 , 29, 130-153	4.7	58
114	A Stable Isotopic Investigation of a Polar Desert Hydrologic System, McMurdo Dry Valleys, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , 2006 , 38, 60-71	1.8	54
113	Spatial and Temporal Active Layer Dynamics along Three Glacial Meltwater Streams in the McMurdo Dry Valleys, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , 2006 , 38, 42-53	1.8	33
112	Hyporheic exchange and fulvic acid redox reactions in an Alpine stream/wetland ecosystem, Colorado Front Range. <i>Environmental Science & Technology</i> , 2006 , 40, 5943-9	10.3	75

111	Antarctic climate cooling and response of diatoms in glacial meltwater streams. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	48
110	Fluorescence spectroscopy reveals ubiquitous presence of oxidized and reduced quinones in dissolved organic matter. <i>Environmental Science & Technology</i> , 2005 , 39, 8142-9	10.3	1043
109	A temperature-index model of stream flow at below-freezing temperatures in Taylor Valley, Antarctica. <i>Annals of Glaciology</i> , 2005 , 40, 76-82	2.5	32
108	Sensitivity analysis of conservative and reactive stream transient storage models applied to field data from multiple-reach experiments. <i>Advances in Water Resources</i> , 2005 , 28, 479-492	4.7	41
107	Effects of annual flooding on dissolved organic carbon dynamics within a pristine wetland, the Okavango Delta, Botswana. <i>Wetlands</i> , 2005 , 25, 622-638	1.7	71
106	Carbon limitation of soil respiration under winter snowpacks: potential feedbacks between growing season and winter carbon fluxes. <i>Global Change Biology</i> , 2005 , 11, 231-238	11.4	159
105	Sources of dissolved organic matter (DOM) in a Rocky Mountain stream using chemical fractionation and stable isotopes. <i>Biogeochemistry</i> , 2005 , 74, 231-255	3.8	124
104	The Landscape Continuum: A Model for High-Elevation Ecosystems. <i>BioScience</i> , 2004 , 54, 111	5.7	96
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