

Diane M Mcknight

List of Publications by Year in descending order

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256
papers

22,091
citations

9786

73
h-index

10734

138
g-index

267
all docs

267
docs citations

267
times ranked

15500
citing authors

#	ARTICLE	IF	CITATIONS
1	Blowinâ€™™ in the wind: Dispersal, structure, and metacommunity dynamics of aeolian diatoms in the McMurdo Sound region, Antarctica. <i>Journal of Phycology</i> , 2022, 58, 36-54.	2.3	4
2	Longâ€™™ term ecological research and the <sc>COVID</sc>â€™™19 anthropause: A window to understanding socialâ€™™ ecological disturbance. <i>Ecosphere</i> , 2022, 13, e4019.	2.2	4
3	<sc>Longâ€™™ term</sc> stream hydrology and meteorology of a Polar Desert, the <sc>McMurdo</sc> Dry Valleys, Antarctica. <i>Hydrological Processes</i> , 2022, 36, .	2.6	4
4	Dissolved Organic Carbon Chemostasis in Antarctic Polar Desert Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	0
5	Geochemistry of contrasting stream types, Taylor Valley, Antarctica. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 425-448.	3.3	4
6	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, .	3.0	4
7	Connectivity: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021, 12, e03432.	2.2	4
8	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.	3.0	7
9	Phytoplankton Drivers of Dissolved Organic Material Production in Colorado Reservoirs and the Formation of Disinfection By-Products. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	3
10	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.	10.0	8
11	Supporting Simultaneous Air Revitalization and Thermal Control in a Crewed Habitat With Temperate <i>Chlorella vulgaris</i> and Eurythermic Antarctic Chlorophyta. <i>Frontiers in Microbiology</i> , 2021, 12, 709746.	3.5	3
12	Effects of hydrologic variability and remedial actions on first flush and metal loading from streams draining the Silverton caldera, 1992â€™™2014. <i>Hydrological Processes</i> , 2021, 35, e14412.	2.6	4
13	Experimental effects of elevated temperature and nitrogen deposition on high-elevation aquatic communities. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	3
14	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.	1.5	7
15	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.	1.5	9
16	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, .	1.8	8
17	Silicon Isotopic Composition of Dry and Wet-Based Glaciers in Antarctica. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	5
18	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, .	2.2	1

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19	Silicon Isotopes Reveal a Non-glacial Source of Silicon to Crescent Stream, McMurdo Dry Valleys, Antarctica. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	8
20	Effects of Spatial Variability and Relic DNA Removal on the Detection of Temporal Dynamics in Soil Microbial Communities. <i>MBio</i> , 2020, 11, .	4.1	70
21	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.	4.4	10
22	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.	2.0	59
23	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	0
24	<p>Sabbea gen. nov., a new diatom genus (Bacillariophyta) from continental Antarctica<p>. <i>Phytotaxa</i> , 2019, 418, 42-56.	0.3	4
25	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.	2.0	148
26	The Hydroecology of an Ephemeral Wetland in the McMurdo Dry Valleys, Antarctica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3814-3830.	3.0	7
27	Global changeâ€driven effects on dissolved organic matter composition: Implications for food webs of northern lakes. <i>Global Change Biology</i> , 2018, 24, 3692-3714.	9.5	229
28	Nearâ€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.	3.3	20
29	Long-Term Experimental Acidification Drives Watershed Scale Shift in Dissolved Organic Matter Composition and Flux. <i>Environmental Science & Technology</i> , 2018, 52, 2649-2657.	10.0	22
30	A Tribute to George R. Aiken. <i>Environmental Science & Technology</i> , 2018, 52, 4489-4489.	10.0	1
31	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.	8.0	70
32	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.	10.0	33
33	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.	2.8	25
34	Catch and release: Hyporheic retention and mineralization of Nâ€fixing <i>Nostoc</i> sustains downstream microbial mat biomass in two polar desert streams. <i>Limnology and Oceanography Letters</i> , 2018, 3, 357-364.	3.9	24
35	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.	4.0	27
36	Relationship between dissolved organic matter quality and microbial community composition across polar glacial environments. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	26

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37	Spatial and temporal patterns of microbial mats and associated invertebrates along an Antarctic stream. <i>Polar Biology</i> , 2018, 41, 1911-1921.	1.2	12
38	Oligotrophic wetland sediments susceptible to shifts in microbiomes and mercury cycling with dissolved organic matter addition. <i>PeerJ</i> , 2018, 6, e4575.	2.0	10
39	Hydrologic connectivity and implications for ecosystem processes - Lessons from naked watersheds. <i>Geomorphology</i> , 2017, 277, 63-71.	2.6	36
40	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.	3.3	28
41	Debatesâ€”Hypothesis 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.	4.2	9
42	Biogeophysical properties of an expansive Antarctic supraglacial stream. <i>Antarctic Science</i> , 2017, 29, 33-44.	0.9	5
43	Dissolved black carbon in the global cryosphere: Concentrations and chemical signatures. <i>Geophysical Research Letters</i> , 2017, 44, 6226-6234.	4.0	34
44	Microbial formation of labile organic carbon in Antarctic glacial environments. <i>Nature Geoscience</i> , 2017, 10, 356-359.	12.9	70
45	Freshwater diatom biogeography and the genus <i>Luticola</i> : an extreme case of endemism in Antarctica. <i>Polar Biology</i> , 2017, 40, 1185-1196.	1.2	39
46	Decadal ecosystem response to an anomalous melt season in a polar desert in Antarctica. <i>Nature Ecology and Evolution</i> , 2017, 1, 1334-1338.	7.8	79
47	Concentrationâ€”discharge relationships during an extreme event: Contrasting behavior of solutes and changes to chemical quality of dissolved organic material in the <sc>B</sc>oulder <sc>C</sc>reek <sc>W</sc>atershed during the <sc>S</sc>eptember 2013 flood. <i>Water Resources Research</i> , 2017, 53, 5276-5297.	4.2	26
48	Thermal autecology describes the occurrence patterns of four benthic diatoms in McMurdo Dry Valley streams. <i>Polar Biology</i> , 2017, 40, 2381-2396.	1.2	14
49	Stream biogeochemical and suspended sediment responses to permafrost degradation in stream banks in Taylor Valley, Antarctica. <i>Biogeosciences</i> , 2016, 13, 1723-1732.	3.3	15
50	Hydrological Controls on Ecosystem Dynamics in Lake Fryxell, Antarctica. <i>PLoS ONE</i> , 2016, 11, e0159038.	2.5	6
51	Dissolved organic matter transport reflects hillslope to stream connectivity during snowmelt in a montane catchment. <i>Water Resources Research</i> , 2016, 52, 4905-4923.	4.2	38
52	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.	2.7	32
53	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.	1.2	31
54	Patterns of bacterial biodiversity in the glacial meltwater streams of the McMurdo Dry Valleys, Antarctica. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw148.	2.7	41

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55	Climate regulates alpine lake ice cover phenology and aquatic ecosystem structure. <i>Geophysical Research Letters</i> , 2016, 43, 5353-5360.	4.0	93
56	Dissolved black carbon in Antarctic lakes: Chemical signatures of past and present sources. <i>Geophysical Research Letters</i> , 2016, 43, 5750-5757.	4.0	27
57	Variation of organic matter quantity and quality in streams at Critical Zone Observatory watersheds. <i>Water Resources Research</i> , 2016, 52, 8202-8216.	4.2	21
58	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.	2.6	39
59	Characterization of dissolved organic material in the interstitial brine of Lake Vida, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 63-78.	3.9	19
60	RARE EARTH ELEMENTS AND ACID ROCK DRAINAGE IN THE SNAKE RIVER WATERSHED, MONTEZUMA, COLORADO., 2016, , .		1
61	Recovery of Antarctic stream epilithon from simulated scouring events. <i>Antarctic Science</i> , 2015, 27, 341-354.	0.9	9
62	Pressure-driven, shoreline currents in a perennially ice-covered, proglacial lake in Antarctica, identified from a LiCl tracer injected into a proglacial stream. <i>Hydrological Processes</i> , 2015, 29, 2212-2231.	2.6	4
63	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.	4.2	7
64	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.	2.4	16
65	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.	2.4	2
66	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.	2.4	18
67	Influence of Leaching Solution and Catchment Location on the Fluorescence of Water-Soluble Organic Matter. <i>Environmental Science & Technology</i> , 2015, 49, 4425-4432.	10.0	38
68	A slide down a slippery slope – alpine ecosystem responses to nitrogen deposition. <i>Plant Ecology and Diversity</i> , 2015, 8, 727-738.	2.4	27
69	Dissolved Organic Matter Quality in a Shallow Aquifer of Bangladesh: Implications for Arsenic Mobility. <i>Environmental Science & Technology</i> , 2015, 49, 10815-10824.	10.0	143
70	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.	1.4	242
71	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.	3.4	49
72	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, 13946-13951.	7.1	201

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73	Antarctic streams as a potential source of iron for the Southern Ocean: Figure 1.. <i>Geology</i> , 2015, 43, 1003-1006.	4.4	19
74	Fractionation of Fulvic Acid by Iron and Aluminum Oxidesâ€™Influence on Copper Toxicity to <i>Ceriodaphnia dubia</i> . <i>Environmental Science & Technology</i> , 2014, 48, 11934-11943.	10.0	12
75	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.	5.4	49
76	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.	8.8	75
77	Fluorescence Indices and Their Interpretation. , 2014, , 303-338.		49
78	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.	4.2	41
79	Bacteria and diatom co-occurrence patterns in microbial mats from polar desert streams. <i>Environmental Microbiology</i> , 2013, 15, 1115-1131.	3.8	44
80	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.	1.8	107
81	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.	2.1	57
82	Hydrodynamic shear removal of the nuisance stalk-forming diatom <i>Didymosphenia geminata</i> . <i>Limnology & Oceanography Fluids & Environments</i> , 2013, 3, 256-268.	1.7	10
83	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.	0.9	8
84	Modeling Nitrogen Transformations in Dry Valley Streams, Antarctica. <i>Antarctic Research Series</i> , 2013, , 141-151.	0.2	2
85	Microbial growth under humic-free conditions in a supraglacial stream system on the Cotton Glacier, Antarctica. <i>Environmental Research Letters</i> , 2013, 8, 035022.	5.2	21
86	Environmental factors influencing diatom communities in Antarctic cryoconite holes. <i>Environmental Research Letters</i> , 2013, 8, 045006.	5.2	36
87	The role of dissolved organic matter (<sc>DOM</sc>) quality in the growth enhancement of <i>Alexandrium fundyense</i> (Dinophyceae) in laboratory culture¹. <i>Journal of Phycology</i> , 2013, 49, 546-554.	2.3	5
88	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.	5.2	27
89	Hydrologic Processes Influencing Streamflow Variation in Fryxell Basin, Antarctica. <i>Antarctic Research Series</i> , 2013, , 93-108.	0.2	45
90	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.	2.6	12

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91	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.	4.2	23
92	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, 698-712.	3.0	74
93	Geochemical Linkages Among Glaciers, Streams and Lakes Within the Taylor Valley, <i>Geochemical Linkages Among Glaciers, Streams And Lakes Within The Taylor Valley, Antarctica. Antarctic Research Series</i> , 2013, , 77-92.	0.2	17
94	Spectral evaluation of watershed DOM and DBP precursors. <i>Journal - American Water Works Association</i> , 2013, 105, E173.	0.3	12
95	The ecology of pulse events: insights from an extreme climatic event in a polar desert ecosystem. <i>Ecosphere</i> , 2012, 3, 1-15.	2.2	69
96	Automated measurement of diatom size. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 882-890.	2.0	28
97	Microbial life at $\sim 13\text{ }^{\circ}\text{C}$ 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, 20626-20631.	7.1	151
98	Climate-Change-Driven Deterioration of Water Quality in a Mineralized Watershed. <i>Environmental Science & Technology</i> , 2012, 46, 9324-9332.	10.0	107
99	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, 3212-3219.	10.0	109
100	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, .	3.3	18
101	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.	3.5	27
102	Identifying fluorescent pulp mill effluent in the Gulf of Maine and its watershed. <i>Marine Pollution Bulletin</i> , 2012, 64, 1678-1687.	5.0	76
103	Hydrologic processes influence diatom community composition in Dry Valley streams. <i>Journal of the North American Benthological Society</i> , 2011, 30, 1057-1073.	3.1	51
104	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, .	4.2	28
105	When a habitat freezes solid: microorganisms over-winter within the ice column of a coastal Antarctic lake. <i>FEMS Microbiology Ecology</i> , 2011, 76, 401-412.	2.7	28
106	Hydrological Connectivity of the Landscape of the McMurdo Dry Valleys, Antarctica. <i>Geography Compass</i> , 2011, 5, 666-681.	2.7	50
107	^{15}N and $^{13}\text{C}\{^{14}\text{N}\}$ 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, 775-780.	1.9	15
108	Spectral Methods to Advance Understanding of Dissolved Organic Carbon Dynamics in Forested Catchments. <i>Ecological Studies</i> , 2011, , 117-135.	1.2	26

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109	Geologic analogies between the surface of Mars and the McMurdo Dry Valleys: microclimate-related geomorphic features and evidence for climate change. , 2010, , 9-77.		5
110	Saline lakes and ponds in the McMurdo Dry Valleys: ecological analogs to martian paleolake environments. , 2010, , 160-194.		8
111	Spatial variations in the geochemistry of glacial meltwater streams in the Taylor Valley, Antarctica. Antarctic Science, 2010, 22, 662-672.	0.9	100
112	Factors promoting microbial diversity in the McMurdo Dry Valleys, Antarctica. , 2010, , 221-257.		27
113	New light on a dark subject: comment. Aquatic Sciences, 2010, 72, 269-275.	1.5	59
114	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. Biogeochemistry, 2010, 100, 89-103.	3.5	49
115	Physiochemical properties influencing biomass abundance and primary production in Lake Hoare, Antarctica. Ecological Modelling, 2010, 221, 1184-1193.	2.5	6
116	Effect of instrument-specific response on the analysis of fulvic acid fluorescence spectra. Limnology and Oceanography: Methods, 2010, 8, 67-78.	2.0	104
117	Communicating with the public: opportunities and rewards for individual ecologists. Frontiers in Ecology and the Environment, 2010, 8, 292-298.	4.0	58
118	Dissolved Organic Matter Sources and Consequences for Iron and Arsenic Mobilization in Bangladesh Aquifers. Environmental Science & Technology, 2010, 44, 123-128.	10.0	196
119	Comparison of seasonal changes in fluorescent dissolved organic matter among aquatic lake and stream sites in the Green Lakes Valley. Journal of Geophysical Research, 2010, 115, .	3.3	89
120	Effect of unsteady flow on nitrate loss in an oligotrophic, glacial meltwater stream. Journal of Geophysical Research, 2010, 115, .	3.3	23
121	Effects of Short-Term Drying and Irrigation on Electron Flow in Mesocosms of a Northern Bog and an Alpine Fen. Environmental Science & Technology, 2010, 44, 80-86.	10.0	33
122	Overcoming "ecophobia" fostering environmental empathy through narrative in children's science literature. Frontiers in Ecology and the Environment, 2010, 8, e10-e15.	4.0	21
123	Diatoms as indicators of environmental change in Antarctic and subantarctic freshwaters. , 2010, , 267-284.		31
124	Effect of instrument-specific response on the analysis of fulvic acid fluorescence spectra. Limnology and Oceanography: Methods, 2010, 8, 67-78.	2.0	113
125	Factors controlling streambed coverage of <i>Didymosphenia geminata</i> in two regulated streams in the Colorado Front Range. Hydrobiologia, 2009, 630, 207-218.	2.0	42
126	Production of microbially-derived fulvic acid from photolysis of quinone-containing extracellular products of phytoplankton. Aquatic Sciences, 2009, 71, 170-178.	1.5	30

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127	Characterizing chlorine oxidation of dissolved organic matter and disinfection byâ€‘product formation with fluorescence spectroscopy and parallel factor analysis. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
128	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.	1.1	17
129	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	3.1	1,977
130	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.	3.1	71
131	Alpine lake optical properties as sentinels of dust deposition and global change. <i>Limnology and Oceanography</i> , 2009, 54, 2386-2400.	3.1	49
132	Dissolved organic matter accumulation, reactivity, and redox state in ground water of a recharge wetland. <i>Wetlands</i> , 2008, 28, 747-759.	1.5	33
133	Inland diatoms from the McMurdo Dry Valleys and James Ross Island, Antarctica. <i>Botany</i> , 2008, 86, 1378-1392.	1.0	59
134	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.	1.1	29
135	Hydrologic response to extreme warm and cold summers in the McMurdo Dry Valleys, East Antarctica. <i>Antarctic Science</i> , 2008, 20, 499-509.	0.9	128
136	High-latitude rivers and streams. , 2008, , 83-102.		8
137	Photochemical control of copper complexation by dissolved organic matter in Rocky Mountain streams, Colorado. <i>Limnology and Oceanography</i> , 2007, 52, 766-779.	3.1	42
138	Characterization of a nitrogen-rich fulvic acid and its precursor algae from solid state NMR. <i>Organic Geochemistry</i> , 2007, 38, 1277-1292.	1.8	89
139	Probing the oxidationâ€‘reduction properties of terrestrially and microbially derived dissolved organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3003-3015.	3.9	143
140	Reactivation of a cryptobiotic stream ecosystem in the McMurdo Dry Valleys, Antarctica: A long-term geomorphological experiment. <i>Geomorphology</i> , 2007, 89, 186-204.	2.6	77
141	Biogeochemical stoichiometry of Antarctic Dry Valley ecosystems. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	97
142	Chemical characteristics of fulvic acids from Arctic surface waters: Microbial contributions and photochemical transformations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	168
143	Chemical characterization of DOM in channels of a seasonal wetland. <i>Aquatic Sciences</i> , 2007, 69, 456-471.	1.5	51
144	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, 111-127.	2.7	10

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145	Photooxidation of wetland and riverine dissolved organic matter: altered copper complexation and organic composition. <i>Hydrobiologia</i> , 2007, 579, 95-113.	2.0	61
146	Sources and fates of dissolved organic carbon in lakes as determined by whole-lake carbon isotope additions. <i>Biogeochemistry</i> , 2007, 84, 115-129.	3.5	80
147	Hyporheic Exchange and Fulvic Acid Redox Reactions in an Alpine Stream/Wetland Ecosystem, Colorado Front Range. <i>Environmental Science & Technology</i> , 2006, 40, 5943-5949.	10.0	85
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