

William H McDowell

List of Publications by Year in descending order

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Version: 2024-02-01

272
papers

30,832
citations

5896

81
h-index

4885

168
g-index

276
all docs

276
docs citations

276
times ranked

22289
citing authors

#	ARTICLE	IF	CITATIONS
1	DOM in the long arc of environmental science: looking back and thinking ahead. <i>Biogeochemistry</i> , 2023, 164, 15-27.	3.5	6
2	High-Frequency Concurrent Measurements in Watershed and Impaired Estuary Reveal Coupled DOC and Decoupled Nitrate Dynamics. <i>Estuaries and Coasts</i> , 2022, 45, 445-461.	2.2	0
3	Shifting stoichiometry: Long-term trends in stream-dissolved organic matter reveal altered C:N ratios due to history of atmospheric acid deposition. <i>Global Change Biology</i> , 2022, 28, 98-114.	9.5	22
4	Land Use Overrides Stream Order and Season in Driving Dissolved Organic Matter Dynamics Throughout the Year in a River Network. <i>Environmental Science & Technology</i> , 2022, 56, 2009-2020.	10.0	17
5	Secondary Minerals Drive Extreme Lithium Isotope Fractionation During Tropical Weathering. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	6
6	Identifying Controls on Nitrate Sources and Flowpaths in a Forested Catchment Using a Hydrogeological Framework. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	5
7	Light and flow regimes regulate the metabolism of rivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	62
8	A general pattern of trade-offs between ecosystem resistance and resilience to tropical cyclones. <i>Science Advances</i> , 2022, 8, eabl9155.	10.3	26
9	Extreme rainstorms drive exceptional organic carbon export from forested humid-tropical rivers in Puerto Rico. <i>Nature Communications</i> , 2022, 13, 2058.	12.8	9
10	Lithological Control of Stream Chemistry in the Luquillo Mountains, Puerto Rico. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	3
11	Linking soil phosphorus with forest litterfall resistance and resilience to cyclone disturbance: A pantropical meta-analysis. <i>Global Change Biology</i> , 2022, 28, 4633-4654.	9.5	2
12	The Dominant Role of the Water Column in Nitrogen Removal and N ₂ O Emissions in Large Rivers. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
13	Context dependence in a tropical forest: Repeated disturbance reduces soil nitrate response but increases phosphate. <i>Ecosphere</i> , 2022, 13, .	2.2	2
14	Divergent Controls on Stream Greenhouse Gas Concentrations Across a Land-Use Gradient. <i>Ecosystems</i> , 2021, 24, 1299-1316.	3.4	24
15	Predicting high-frequency variation in stream solute concentrations with water quality sensors and machine learning. <i>Hydrological Processes</i> , 2021, 35, .	2.6	22
16	Watershed studies at the Hubbard Brook Experimental Forest: Building on a long legacy of research with new approaches and sources of data. <i>Hydrological Processes</i> , 2021, 35, .	2.6	10
17	Experimental nitrogen and phosphorus enrichment stimulates multiple trophic levels of algal and detrital-based food webs: a global meta-analysis from streams and rivers. <i>Biological Reviews</i> , 2021, 96, 692-715.	10.4	35
18	Quantifying the frequency of synchronous carbon and nitrogen export to the river network. <i>Biogeochemistry</i> , 2021, 152, 1-12.	3.5	13

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19	Nitrate uptake enhanced by availability of dissolved organic matter in tropical montane streams. <i>Freshwater Science</i> , 2021, 40, 65-76.	1.8	6
20	Hydrological Mapping in the Luquillo Experimental Forest: New Local Datum Improves Watershed Ecological Knowledge. <i>Hydrology</i> , 2021, 8, 54.	3.0	2
21	Luquillo Experimental Forest: Catchment science in the montane tropics. <i>Hydrological Processes</i> , 2021, 35, e14146.	2.6	12
22	The Lamprey River Hydrological Observatory: Suburbanization and changing seasonality. <i>Hydrological Processes</i> , 2021, 35, e14131.	2.6	10
23	Global carbon dioxide efflux from rivers enhanced by high nocturnal emissions. <i>Nature Geoscience</i> , 2021, 14, 289-294.	12.9	76
24	Distinctive Patterns and Controls of Nitrous Oxide Concentrations and Fluxes from Urban Inland Waters. <i>Environmental Science & Technology</i> , 2021, 55, 8422-8431.	10.0	26
25	Landslides, hurricanes, and sediment sourcing impact basin-scale erosion estimates in Luquillo, Puerto Rico. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116821.	4.4	13
26	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006953.	4.9	22
27	High-frequency multi-solute calibration using an in situ UV-visible sensor. <i>Hydrological Processes</i> , 2021, 35, e14357.	2.6	8
28	Northeastern mountain ponds as sentinels of change: Current and emerging research and monitoring in the context of shifting chemistry and climate interactions. <i>Atmospheric Environment</i> , 2021, 264, 118694.	4.1	7
29	Climate Variability Drives Watersheds Along a Transporter-Transformer Continuum. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094050.	4.0	10
30	Resolving a paradox: high mercury deposition, but low bioaccumulation in northeastern Puerto Rico. <i>Ecotoxicology</i> , 2020, 29, 1207-1220.	2.4	8
31	Percentile-Range Indexed Mapping and Evaluation (PRIME): A new tool for long-term data discovery and application. <i>Environmental Modelling and Software</i> , 2020, 124, 104580.	4.5	4
32	Dissolved Organic Carbon and Nitrate Concentration-Discharge Behavior Across Scales: Land Use, Excursions, and Misclassification. <i>Water Resources Research</i> , 2020, 56, e2019WR027028.	4.2	34
33	A Research Framework to Integrate Cross-Ecosystem Responses to Tropical Cyclones. <i>BioScience</i> , 2020, 70, 477-489.	4.9	33
34	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020, 10, 8722.	3.3	41
35	When the rainforest dries: Drought effects on a montane tropical stream ecosystem in Puerto Rico. <i>Freshwater Science</i> , 2020, 39, 197-212.	1.8	18
36	Assessing the Ecological Significance of Throughfall in Forest Ecosystems. <i>Ecological Studies</i> , 2020, , 299-318.	1.2	10

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37	Fire severity, time since fire, and site-level characteristics influence streamwater chemistry at baseflow conditions in catchments of the Sierra Nevada, California, USA. <i>Fire Ecology</i> , 2019, 15, .	3.0	21
38	African dust deposition in Puerto Rico: Analysis of a 20-year rainfall chemistry record and comparison with models. <i>Atmospheric Environment</i> , 2019, 216, 116907.	4.1	17
39	Hysteretic Response of Solutes and Turbidity at the Event Scale Across Forested Tropical Montane Watersheds. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	30
40	Calcium and magnesium biogeochemistry in spruce catchments underlain by felsic, mafic, and ultramafic rocks. <i>E3S Web of Conferences</i> , 2019, 98, 06007.	0.5	2
41	Effects of Grazing Pattern on Ecosystem Respiration and Methane Flux in a Sown Pasture in Inner Mongolia, China. <i>Atmosphere</i> , 2019, 10, 5.	2.3	4
42	Trace metals in Northern New England streams: Evaluating the role of road salt across broad spatial scales with synoptic snapshots. <i>PLoS ONE</i> , 2019, 14, e0212011.	2.5	9
43	Homogenization of dissolved organic matter within a river network occurs in the smallest headwaters. <i>Biogeochemistry</i> , 2019, 143, 85-104.	3.5	37
44	LINX I and II: Lessons Learned and Emerging Questions. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	4
45	Nutrient export and elemental stoichiometry in an urban tropical river. <i>Ecological Applications</i> , 2019, 29, e01839.	3.8	22
46	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	8.0	177
47	Genesis, goals and achievements of Long-Term Ecological Research at the global scale: A critical review of ILTER and future directions. <i>Science of the Total Environment</i> , 2018, 626, 1439-1462.	8.0	191
48	Using In-situ Optical Sensors to Understand the Biogeochemistry of Dissolved Organic Matter Across a Stream Network. <i>Water Resources Research</i> , 2018, 54, 2949-2958.	4.2	27
49	Variation in Detrital Resource Stoichiometry Signals Differential Carbon to Nutrient Limitation for Stream Consumers Across Biomes. <i>Ecosystems</i> , 2018, 21, 1676-1691.	3.4	19
50	An Evaluation of Nitrate, fDOM, and Turbidity Sensors in New Hampshire Streams. <i>Water Resources Research</i> , 2018, 54, 2466-2479.	4.2	45
51	Effects of plant species on stream bacterial communities via leachate from leaf litter. <i>Hydrobiologia</i> , 2018, 807, 131-144.	2.0	9
52	The next generation of site-based long-term ecological monitoring: Linking essential biodiversity variables and ecosystem integrity. <i>Science of the Total Environment</i> , 2018, 613-614, 1376-1384.	8.0	143
53	The metabolic regimes of flowing waters. <i>Limnology and Oceanography</i> , 2018, 63, S99.	3.1	247
54	Partitioning assimilatory nitrogen uptake in streams: an analysis of stable isotope tracer additions across continents. <i>Ecological Monographs</i> , 2018, 88, 120-138.	5.4	60

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55	Give and Take: A Watershed Acid Rain Mitigation Experiment Increases Baseflow Nitrogen Retention but Increases Stormflow Nitrogen Export. <i>Environmental Science & Technology</i> , 2018, 52, 13155-13165.	10.0	16
56	Multiyear Trends in Solute Concentrations and Fluxes From a Suburban Watershed: Evaluating Effects of 100-Year Flood Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3072-3087.	3.0	18
57	Continental-scale decrease in net primary productivity in streams due to climate warming. <i>Nature Geoscience</i> , 2018, 11, 415-420.	12.9	99
58	Acidification and Climate Linkages to Increased Dissolved Organic Carbon in High-Elevation Lakes. <i>Water Resources Research</i> , 2018, 54, 5376-5393.	4.2	35
59	Permafrost Regime Affects the Nutritional Status and Productivity of Larches in Central Siberia. <i>Forests</i> , 2018, 9, 314.	2.1	22
60	Nitrogen removal rates in a frigid high-altitude river estimated by measuring dissolved N ₂ and N ₂ O. <i>Science of the Total Environment</i> , 2018, 645, 318-328.	8.0	25
61	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. <i>Biogeosciences</i> , 2018, 15, 4815-4832.	3.3	24
62	SIPCO ₂ : A simple, inexpensive surface water pCO ₂ sensor. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 291-301.	2.0	16
63	Tropical river suspended sediment and solute dynamics in storms during an extreme drought. <i>Water Resources Research</i> , 2017, 53, 3695-3712.	4.2	25
64	Nitrate decline unlikely to have triggered release of dissolved organic carbon and phosphate to streams. <i>Global Change Biology</i> , 2017, 23, 2535-2536.	9.5	8
65	A longer vernal window: the role of winter coldness and snowpack in driving spring transitions and lags. <i>Global Change Biology</i> , 2017, 23, 1610-1625.	9.5	57
66	Connecting tropical river DOM and POM to the landscape with lignin. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 219, 143-159.	3.9	21
67	Deconstructing the Effects of Flow on DOC, Nitrate, and Major Ion Interactions Using a High-Frequency Aquatic Sensor Network. <i>Water Resources Research</i> , 2017, 53, 10655-10673.	4.2	62
68	Drivers of nitrogen transfer in stream food webs across continents. <i>Ecology</i> , 2017, 98, 3044-3055.	3.2	13
69	Concentration-Discharge Relations in the Critical Zone: Implications for Resolving Critical Zone Structure, Function, and Evolution. <i>Water Resources Research</i> , 2017, 53, 8654-8659.	4.2	48
70	A case study characterizing animal fecal sources in surface water using a mitochondrial DNA marker. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 406.	2.7	10
71	Critical zone structure controls concentration-discharge relationships and solute generation in forested tropical montane watersheds. <i>Water Resources Research</i> , 2017, 53, 6279-6295.	4.2	56
72	Nitrification increases nitrogen export from a tropical river network. <i>Freshwater Science</i> , 2017, 36, 698-712.	1.8	15

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73	Recovery from acidification alters concentrations and fluxes of solutes from Czech catchments. <i>Biogeochemistry</i> , 2017, 132, 251-272.	3.5	57
74	Mass mortality of a dominant invasive species in response to an extreme climate event: Implications for ecosystem function. <i>Limnology and Oceanography</i> , 2017, 62, 177-188.	3.1	42
75	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. <i>GigaScience</i> , 2017, 6, 1-22.	6.4	102
76	Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth. <i>Earth Surface Dynamics</i> , 2017, 5, 841-860.	2.4	92
77	Understanding Dissolved Organic Matter Biogeochemistry Through <i>In Situ</i> Nutrient Manipulations in Stream Ecosystems. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	1
78	Impact of Long-Range Transported African Dust on Cloud Water Chemistry at a Tropical Montane Cloud Forest in Northeastern Puerto Rico. <i>Aerosol and Air Quality Research</i> , 2016, 16, 653-664.	2.1	17
79	Greenhouse gas flux from headwater streams in New Hampshire, USA: Patterns and drivers. <i>Limnology and Oceanography</i> , 2016, 61, S165.	3.1	56
80	DOC:NO ₃ ⁻ ratios and NO ₃ ⁻ uptake in forested headwater streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 205-217.	3.0	42
81	Limited uptake of nutrient input from sewage effluent in a tropical landscape. <i>Freshwater Science</i> , 2016, 35, 12-24.	1.8	9
82	Dissolved organic carbon uptake in streams: A review and assessment of reach-scale measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2019-2029.	3.0	83
83	Nitrate uptake across biomes and the influence of elemental stoichiometry: A new look at LINX II. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1183-1191.	4.9	30
84	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
85	Baseflow physical characteristics differ at multiple spatial scales in stream networks across diverse biomes. <i>Landscape Ecology</i> , 2016, 31, 119-136.	4.2	15
86	Extreme weather years drive episodic changes in lake chemistry: implications for recovery from sulfate deposition and long-term trends in dissolved organic carbon. <i>Biogeochemistry</i> , 2016, 127, 353-365.	3.5	43
87	Nitrogen additions mobilize soil base cations in two tropical forests. <i>Biogeochemistry</i> , 2016, 128, 67-88.	3.5	41
88	Two roles for ecological surrogacy: Indicator surrogates and management surrogates. <i>Ecological Indicators</i> , 2016, 63, 121-125.	6.3	79
89	Leaf-litter leachate is distinct in optical properties and bioavailability to stream heterotrophs. <i>Freshwater Science</i> , 2015, 34, 857-866.	1.8	31
90	Nutrient uptake along a fire gradient in boreal streams of Central Siberia. <i>Freshwater Science</i> , 2015, 34, 1443-1456.	1.8	30

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91	Reducing bias and quantifying uncertainty in watershed flux estimates: the R package loadflex. <i>Ecosphere</i> , 2015, 6, 1-25.	2.2	75
92	Long-term trends of changes in pine and oak foliar nitrogen metabolism in response to chronic nitrogen amendments at Harvard Forest, MA. <i>Tree Physiology</i> , 2015, 35, 894-909.	3.1	28
93	Urban Evolution: The Role of Water. <i>Water (Switzerland)</i> , 2015, 7, 4063-4087.	2.7	72
94	NEON and STREON: opportunities and challenges for the aquatic sciences. <i>Freshwater Science</i> , 2015, 34, 386-391.	1.8	24
95	Interbasin flow of geothermally modified ground water stabilizes stream exports of biologically important solutes against variation in precipitation. <i>Freshwater Science</i> , 2015, 34, 276-286.	1.8	7
96	Effects of headwater wetlands on dissolved nitrogen and dissolved organic carbon concentrations in a suburban New Hampshire watershed. <i>Freshwater Science</i> , 2015, 34, 456-471.	1.8	18
97	Direct response of dissolved organic nitrogen to nitrate availability in headwater streams. <i>Biogeochemistry</i> , 2015, 126, 1-10.	3.5	33
98	Consequence of altered nitrogen cycles in the coupled human and ecological system under changing climate: The need for long-term and site-based research. <i>Ambio</i> , 2015, 44, 178-193.	5.5	63
99	Remote sensing of foliar nitrogen in cultivated grasslands of human dominated landscapes. <i>Remote Sensing of Environment</i> , 2015, 167, 88-97.	11.0	45
100	A new framework for selecting environmental surrogates. <i>Science of the Total Environment</i> , 2015, 538, 1029-1038.	8.0	84
101	Qualitative differences in headwater stream dissolved organic matter and riparian water-extractable soil organic matter under four different vegetation types along an altitudinal gradient in the Wuyi Mountains of China. <i>Applied Geochemistry</i> , 2015, 52, 67-75.	3.0	24
102	Effects of Sewage Effluents on Water Quality in Tropical Streams. <i>Journal of Environmental Quality</i> , 2014, 43, 2053-2063.	2.0	23
103	You are not always what we think you eat: selective assimilation across multiple whole-stream isotopic tracer studies. <i>Ecology</i> , 2014, 95, 2757-2767.	3.2	44
104	Novel ecosystems in the Anthropocene: a revision of the novel ecosystem concept for pragmatic applications. <i>Ecology and Society</i> , 2014, 19, .	2.3	180
105	Linking soils and streams: Response of soil solution chemistry to simulated hurricane disturbance mirrors stream chemistry following a severe hurricane. <i>Forest Ecology and Management</i> , 2014, 332, 56-63.	3.2	29
106	Chemistry of the heavily urbanized Bagmati River system in Kathmandu Valley, Nepal: export of organic matter, nutrients, major ions, silica, and metals. <i>Environmental Earth Sciences</i> , 2014, 71, 911-922.	2.7	32
107	Chronic nitrogen additions suppress decomposition and sequester soil carbon in temperate forests. <i>Biogeochemistry</i> , 2014, 121, 305-316.	3.5	302
108	Dissolved Organic Matter: Linking Soils and Aquatic Systems. <i>Vadose Zone Journal</i> , 2014, 13, 1-4.	2.2	55

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109	Tracking evolution of urban biogeochemical cycles: past, present, and future. <i>Biogeochemistry</i> , 2014, 121, 1-21.	3.5	122
110	Decadal Trends Reveal Recent Acceleration in the Rate of Recovery from Acidification in the Northeastern U.S.. <i>Environmental Science & Technology</i> , 2014, 48, 4681-4689.	10.0	93
111	Ecosystem metabolism and nutrient uptake in an urban, piped headwater stream. <i>Biogeochemistry</i> , 2014, 121, 167-187.	3.5	16
112	Incorporating urban infrastructure into biogeochemical assessment of urban tropical streams in Puerto Rico. <i>Biogeochemistry</i> , 2014, 121, 271-286.	3.5	23
113	Macrosystems ecology: understanding ecological patterns and processes at continental scales. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 5-14.	4.0	285
114	Improving automated phosphorus measurements in freshwater: an analytical approach to eliminating silica interference. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 223-231.	2.0	8
115	A Comparison of Wet Deposition Collectors at a Coastal Rural Site. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.4	2
116	Chemical constituents in clouds and rainwater in the Puerto Rican rainforest: Potential sources and seasonal drivers. <i>Atmospheric Environment</i> , 2013, 68, 208-220.	4.1	73
117	When Wet Gets Wetter: Decoupling of Moisture, Redox Biogeochemistry, and Greenhouse Gas Fluxes in a Humid Tropical Forest Soil. <i>Ecosystems</i> , 2013, 16, 576-589.	3.4	108
118	Persistent effects of acidification on stream ecosystem structure and function. <i>Freshwater Science</i> , 2013, 32, 586-596.	1.8	12
119	Interactions between lithology and biology drive the long-term response of stream chemistry to major hurricanes in a tropical landscape. <i>Biogeochemistry</i> , 2013, 116, 175-186.	3.5	32
120	Permafrost and fire as regulators of stream chemistry in basins of the Central Siberian Plateau. <i>Biogeochemistry</i> , 2013, 116, 55-68.	3.5	25
121	Limited effects of suburbanization on the genetic structure of an abundant vernal pool-breeding amphibian. <i>Conservation Genetics</i> , 2013, 14, 1083-1097.	1.5	18
122	Trends in stream nitrogen concentrations for forested reference catchments across the USA. <i>Environmental Research Letters</i> , 2013, 8, 014039.	5.2	54
123	Quantifying the production of dissolved organic nitrogen in headwater streams using ¹⁵ N tracer additions. <i>Limnology and Oceanography</i> , 2013, 58, 1271-1285.	3.1	21
124	Dissolved Organic Carbon in Headwater Streams and Riparian Soil Organic Carbon along an Altitudinal Gradient in the Wuyi Mountains, China. <i>PLoS ONE</i> , 2013, 8, e78973.	2.5	14
125	Scaling the gas transfer velocity and hydraulic geometry in streams and small rivers. <i>Limnology & Oceanography Fluids & Environments</i> , 2012, 2, 41-53.	1.7	444
126	Effects of suburbanization on foodweb stoichiometry of detritus-based streams. <i>Freshwater Science</i> , 2012, 31, 1202-1213.	1.8	9

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127	Surprises and Insights from Long-Term Aquatic Data Sets and Experiments. <i>BioScience</i> , 2012, 62, 709-721.	4.9	89
128	Influence of land use changes on water chemistry in streams in the State of São Paulo, southeast Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2012, 84, 919-930.	0.8	23
129	The response of heterotrophic activity and carbon cycling to nitrogen additions and warming in two tropical soils. <i>Global Change Biology</i> , 2012, 18, 400-400.	9.5	3
130	Ecological Paradigms for the Tropics. , 2012, , 3-41.		6
131	Geographic and Ecological Setting of the Luquillo Mountains. , 2012, , 72-163.		24
132	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , 2012, 2, 229-236.	2.2	257
133	Long-term patterns and short-term dynamics of stream solutes and suspended sediment in a rapidly weathering tropical watershed. <i>Water Resources Research</i> , 2011, 47, .	4.2	66
134	An integrated conceptual framework for long-term social-ecological research. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 351-357.	4.0	462
135	Thinking outside the channel: modeling nitrogen cycling in networked river ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 229-238.	4.0	104
136	Twelve testable hypotheses on the geobiology of weathering. <i>Geobiology</i> , 2011, 9, 140-165.	2.4	133
137	Microbial immobilization and mineralization of dissolved organic nitrogen from forest floors. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1742-1745.	8.8	35
138	Export of dissolved carbon from watersheds of the Central Siberian Plateau. <i>Doklady Earth Sciences</i> , 2011, 441, 1568-1571.	0.7	4
139	Effects of nitrogen additions on above- and belowground carbon dynamics in two tropical forests. <i>Biogeochemistry</i> , 2011, 104, 203-225.	3.5	145
140	Cross-stream comparison of substrate-specific denitrification potential. <i>Biogeochemistry</i> , 2011, 104, 381-392.	3.5	59
141	Nitrous oxide emission from denitrification in stream and river networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 214-219.	7.1	517
142	Sources and the flux pattern of dissolved carbon in rivers of the Yenisey basin draining the Central Siberian Plateau. <i>Environmental Research Letters</i> , 2011, 6, 045212.	5.2	77
143	Impacts of Hurricanes on Forest Hydrology and Biogeochemistry. <i>Ecological Studies</i> , 2011, , 643-657.	1.2	5
144	Total carbon analysis may overestimate organic carbon content of fresh waters in the presence of high dissolved inorganic carbon. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 196-201.	2.0	28

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145	Interregional comparison of land-use effects on stream metabolism. <i>Freshwater Biology</i> , 2010, 55, 1874-1890.	2.4	267
146	Biotic and abiotic controls on the ecosystem significance of consumer excretion in two contrasting tropical streams. <i>Freshwater Biology</i> , 2010, 55, 2047-2061.	2.4	46
147	The response of heterotrophic activity and carbon cycling to nitrogen additions and warming in two tropical soils. <i>Global Change Biology</i> , 2010, 16, 2555-2572.	9.5	130
148	Denitrification and total nitrate uptake in streams of a tropical landscape. <i>Ecological Applications</i> , 2010, 20, 2104-2115.	3.8	22
149	Stream geochemistry, chemical weathering and CO ₂ consumption potential of andesitic terrains, Dominica, Lesser Antilles. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 85-103.	3.9	84
150	Spectroscopic characterization of hot-water extractable organic matter from soils under four different vegetation types along an elevation gradient in the Wuyi Mountains. <i>Geoderma</i> , 2010, 159, 139-146.	5.1	49
151	Biological Nitrogen Fixation in Two Tropical Forests: Ecosystem-Level Patterns and Effects of Nitrogen Fertilization. <i>Ecosystems</i> , 2009, 12, 1299-1315.	3.4	131
152	Predator-prey interactions in river networks: comparing shrimp spatial refugia in two drainage basins. <i>Freshwater Biology</i> , 2009, 54, 450-465.	2.4	72
153	Increased Dissolved Organic Carbon (DOC) in Central European Streams is Driven by Reductions in Ionic Strength Rather than Climate Change or Decreasing Acidity. <i>Environmental Science & Technology</i> , 2009, 43, 4320-4326.	10.0	168
154	The biogeochemical influences of NO ₃ ⁻ , dissolved O ₂ , and dissolved organic C on stream NO ₃ ⁻ uptake. <i>Journal of the North American Benthological Society</i> , 2009, 28, 894-907.	3.1	14
155	Salinization of urbanizing New Hampshire streams and groundwater: effects of road salt and hydrologic variability. <i>Journal of the North American Benthological Society</i> , 2009, 28, 929-940.	3.1	102
156	Nitrate removal in stream ecosystems measured by 15N addition experiments: Total uptake. <i>Limnology and Oceanography</i> , 2009, 54, 653-665.	3.1	165
157	Nitrate removal in stream ecosystems measured by 15N addition experiments: Denitrification. <i>Limnology and Oceanography</i> , 2009, 54, 666-680.	3.1	181
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