

William H McDowell

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.

267
papers

24,753
citations

75
h-index

154
g-index

276
ext. papers

27,522
ext. citations

5
avg, IF

6.6
L-index

#	Paper	IF	Citations
267	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 ,	10.3	1
266	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	11.4	1
265	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,	11.5	4
264	A general pattern of trade-offs between ecosystem resistance and resilience to tropical cyclones.. <i>Science Advances</i> , 2022 , 8, eabl9155	14.3	2
263	Extreme rainstorms drive exceptional organic carbon export from forested humid-tropical rivers in Puerto Rico.. <i>Nature Communications</i> , 2022 , 13, 2058	17.4	1
262	An Introduction to Biogeochemistry of the Critical Zone 2022 , 1-7		
261	Climate Variability Drives Watersheds Along a Transporter-Transformer Continuum. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094050	4.9	1
260	Nitrate uptake enhanced by availability of dissolved organic matter in tropical montane streams. <i>Freshwater Science</i> , 2021 , 40, 65-76	2	4
259	Hydrological Mapping in the Luquillo Experimental Forest: New Local Datum Improves Watershed Ecological Knowledge. <i>Hydrology</i> , 2021 , 8, 54	2.8	0
258	Luquillo Experimental Forest: Catchment science in the montane tropics. <i>Hydrological Processes</i> , 2021 , 35, e14146	3.3	5
257	The Lamprey River Hydrological Observatory: Suburbanization and changing seasonality. <i>Hydrological Processes</i> , 2021 , 35, e14131	3.3	5
256	Global carbon dioxide efflux from rivers enhanced by high nocturnal emissions. <i>Nature Geoscience</i> , 2021 , 14, 289-294	18.3	18
255	Distinctive Patterns and Controls of Nitrous Oxide Concentrations and Fluxes from Urban Inland Waters. <i>Environmental Science & Technology</i> , 2021 , 55, 8422-8431	10.3	6
254	Landslides, hurricanes, and sediment sourcing impact basin-scale erosion estimates in Luquillo, Puerto Rico. <i>Earth and Planetary Science Letters</i> , 2021 , 562, 116821	5.3	3
253	Predicting high-frequency variation in stream solute concentrations with water quality sensors and machine learning. <i>Hydrological Processes</i> , 2021 , 35,	3.3	4
252	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,	3.3	3
251	Quantifying the frequency of synchronous carbon and nitrogen export to the river network. <i>Biogeochemistry</i> , 2021 , 152, 1-12	3.8	4

250	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006953	5.9	4
249	High-frequency multi-solute calibration using an in situ UV-visible sensor. <i>Hydrological Processes</i> , 2021 , 35, e14357	3.3	1
248	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	5.3	0
247	Divergent Controls on Stream Greenhouse Gas Concentrations Across a Land-Use Gradient. <i>Ecosystems</i> , 2020 , 24, 1299	3.9	5
246	A Research Framework to Integrate Cross-Ecosystem Responses to Tropical Cyclones. <i>BioScience</i> , 2020 , 70, 477-489	5.7	14
245	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020 , 10, 8722	4.9	15
244	When the rainforest dries: Drought effects on a montane tropical stream ecosystem in Puerto Rico. <i>Freshwater Science</i> , 2020 , 39, 197-212	2	7
243	Assessing the Ecological Significance of Throughfall in Forest Ecosystems. <i>Ecological Studies</i> , 2020 , 299-318		4
242	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	5.2	2
241	Dissolved Organic Carbon and Nitrate Concentration-Discharge Behavior Across Scales: Land Use, Excursions, and Misclassification. <i>Water Resources Research</i> , 2020 , 56, e2019WR027028	5.4	12
240	Resolving a paradox-high mercury deposition, but low bioaccumulation in northeastern Puerto Rico. <i>Ecotoxicology</i> , 2020 , 29, 1207-1220	2.9	5
239	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> , 2020 , 96, 692	13.5	6
238	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,	5.1	11
237	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	5.3	9
236	Hysteretic Response of Solutes and Turbidity at the Event Scale Across Forested Tropical Montane Watersheds. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	18
235	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	1
234	Effects of Grazing Pattern on Ecosystem Respiration and Methane Flux in a Sown Pasture in Inner Mongolia, China. <i>Atmosphere</i> , 2019 , 10, 5	2.7	3
233	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	3.7	5

232	Homogenization of dissolved organic matter within a river network occurs in the smallest headwaters. <i>Biogeochemistry</i> , 2019 , 143, 85-104	3.8	23
231	LINX I and II: Lessons Learned and Emerging Questions. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	3
230	Nutrient export and elemental stoichiometry in an urban tropical river. <i>Ecological Applications</i> , 2019 , 29, e01839	4.9	9
229	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018 , 628-629, 1369-1394	4.2	117
228	Genesis, goals and achievements of Long-Term Ecological Research at the global scale: A critical review ofILTER and future directions. <i>Science of the Total Environment</i> , 2018 , 626, 1439-1462	10.2	121
227	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	5.4	19
226	Variation in Detrital Resource Stoichiometry Signals Differential Carbon to Nutrient Limitation for Stream Consumers Across Biomes. <i>Ecosystems</i> , 2018 , 21, 1676-1691	3.9	13
225	An Evaluation of Nitrate, fDOM, and Turbidity Sensors in New Hampshire Streams. <i>Water Resources Research</i> , 2018 , 54, 2466-2479	5.4	29
224	Effects of plant species on stream bacterial communities via leachate from leaf litter. <i>Hydrobiologia</i> , 2018 , 807, 131-144	2.4	7
223	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	10.2	105
222	The metabolic regimes of flowing waters. <i>Limnology and Oceanography</i> , 2018 , 63, S99	4.8	157
221	Partitioning assimilatory nitrogen uptake in streams: an analysis of stable isotope tracer additions across continents. <i>Ecological Monographs</i> , 2018 , 88, 120-138	9	43
220	Acidification and Climate Linkages to Increased Dissolved Organic Carbon in High-Elevation Lakes. <i>Water Resources Research</i> , 2018 , 54, 5376-5393	5.4	22
219	Permafrost Regime Affects the Nutritional Status and Productivity of Larches in Central Siberia. <i>Forests</i> , 2018 , 9, 314	2.8	18
218	Nitrogen removal rates in a frigid high-altitude river estimated by measuring dissolved N and NO. <i>Science of the Total Environment</i> , 2018 , 645, 318-328	10.2	14
217	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. <i>Biogeosciences</i> , 2018 , 15, 4815-4832	4.6	19
216	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	10.3	10
215	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	3.7	12

214	Continental-scale decrease in net primary productivity in streams due to climate warming. <i>Nature Geoscience</i> , 2018 , 11, 415-420	18.3	57
213	SIPCO2: A simple, inexpensive surface water pCO ₂ sensor. <i>Limnology and Oceanography: Methods</i> , 2017 , 15, 291-301	2.6	10
212	Tropical river suspended sediment and solute dynamics in storms during an extreme drought. <i>Water Resources Research</i> , 2017 , 53, 3695-3712	5.4	20
211	Nitrate decline unlikely to have triggered release of dissolved organic carbon and phosphate to streams. <i>Global Change Biology</i> , 2017 , 23, 2535-2536	11.4	8
210	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	11.4	40
209	Connecting tropical river DOM and POM to the landscape with lignin. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 219, 143-159	5.5	13
208	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	5.4	42
207	Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth 2017 ,		11
206	Drivers of nitrogen transfer in stream food webs across continents. <i>Ecology</i> , 2017 , 98, 3044-3055	4.6	10
205	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	5.4	26
204	A case study characterizing animal fecal sources in surface water using a mitochondrial DNA marker. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 406	3.1	7
203	Critical zone structure controls concentration-discharge relationships and solute generation in forested tropical montane watersheds. <i>Water Resources Research</i> , 2017 , 53, 6279-6295	5.4	37
202	Nitrification increases nitrogen export from a tropical river network. <i>Freshwater Science</i> , 2017 , 36, 698-712		11
201	Recovery from acidification alters concentrations and fluxes of solutes from Czech catchments. <i>Biogeochemistry</i> , 2017 , 132, 251-272	3.8	42
200	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	4.8	27
199	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	7.6	75
198	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	3.8	52
197	Limited uptake of nutrient input from sewage effluent in a tropical landscape. <i>Freshwater Science</i> , 2016 , 35, 12-24	2	6

196	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	3.7	58
195	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	5.9	22
194	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
193	Baseflow physical characteristics differ at multiple spatial scales in stream networks across diverse biomes. <i>Landscape Ecology</i> , 2016 , 31, 119-136	4.3	13
192	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	3.8	31
191	Nitrogen additions mobilize soil base cations in two tropical forests. <i>Biogeochemistry</i> , 2016 , 128, 67-88	3.8	28
190	Two roles for ecological surrogacy: Indicator surrogates and management surrogates. <i>Ecological Indicators</i> , 2016 , 63, 121-125	5.8	58
189	Understanding Dissolved Organic Matter Biogeochemistry Through In Situ Nutrient Manipulations in Stream Ecosystems. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	1
188	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	4.6	11
187	Greenhouse gas flux from headwater streams in New Hampshire, USA: Patterns and drivers. <i>Limnology and Oceanography</i> , 2016 , 61, S165-S174	4.8	35
186	DOC:NO ₃ ⁻ ratios and NO ₃ ⁻ uptake in forested headwater streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 205-217	3.7	33
185	Remote sensing of foliar nitrogen in cultivated grasslands of human dominated landscapes. <i>Remote Sensing of Environment</i> , 2015 , 167, 88-97	13.2	32
184	A new framework for selecting environmental surrogates. <i>Science of the Total Environment</i> , 2015 , 538, 1029-38	10.2	67
183	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	3.5	17
182	Leaf-litter leachate is distinct in optical properties and bioavailability to stream heterotrophs. <i>Freshwater Science</i> , 2015 , 34, 857-866	2	25
181	Nutrient uptake along a fire gradient in boreal streams of Central Siberia. <i>Freshwater Science</i> , 2015 , 34, 1443-1456	2	23
180	Chemistry of Urban, Suburban, and Rural Surface Waters. <i>Agronomy</i> , 2015 , 297-339	0.8	3
179	Reducing bias and quantifying uncertainty in watershed flux estimates: the R package loadflex. <i>Ecosphere</i> , 2015 , 6, art269	3.1	49

178	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	4.2	19
177	Urban Evolution: The Role of Water. <i>Water (Switzerland)</i> , 2015 , 7, 4063-4087	3	58
176	NEON and STREON: opportunities and challenges for the aquatic sciences. <i>Freshwater Science</i> , 2015 , 34, 386-391	2	19
175	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	2	4
174	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	2	15
173	Direct response of dissolved organic nitrogen to nitrate availability in headwater streams. <i>Biogeochemistry</i> , 2015 , 126, 1-10	3.8	23
172	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, 178-93	6.5	49
171	Chronic nitrogen additions suppress decomposition and sequester soil carbon in temperate forests. <i>Biogeochemistry</i> , 2014 , 121, 305-316	3.8	221
170	Dissolved Organic Matter: Linking Soils and Aquatic Systems. <i>Vadose Zone Journal</i> , 2014 , 13, vzj2014.05.0051	4.0	49
169	Tracking evolution of urban biogeochemical cycles: past, present, and future. <i>Biogeochemistry</i> , 2014 , 121, 1-21	3.8	94
168	Decadal trends reveal recent acceleration in the rate of recovery from acidification in the northeastern U.S. <i>Environmental Science & Technology</i> , 2014 , 48, 4681-9	10.3	67
167	Ecosystem metabolism and nutrient uptake in an urban, piped headwater stream. <i>Biogeochemistry</i> , 2014 , 121, 167-187	3.8	13
166	Incorporating urban infrastructure into biogeochemical assessment of urban tropical streams in Puerto Rico. <i>Biogeochemistry</i> , 2014 , 121, 271-286	3.8	18
165	Macrosystems ecology: understanding ecological patterns and processes at continental scales. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 5-14	5.5	230
164	Improving automated phosphorus measurements in freshwater: an analytical approach to eliminating silica interference. <i>Limnology and Oceanography: Methods</i> , 2014 , 12, 223-231	2.6	7
163	Effects of sewage effluents on water quality in tropical streams. <i>Journal of Environmental Quality</i> , 2014 , 43, 2053-63	3.4	14
162	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	4.6	35
161	Novel ecosystems in the Anthropocene: a revision of the novel ecosystem concept for pragmatic applications. <i>Ecology and Society</i> , 2014 , 19,	4.1	127

160	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	3.9	21
159	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	2.9	28
158	A Comparison of Wet Deposition Collectors at a Coastal Rural Site. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	1
157	Chemical constituents in clouds and rainwater in the Puerto Rican rainforest: Potential sources and seasonal drivers. <i>Atmospheric Environment</i> , 2013 , 68, 208-220	5.3	58
156	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	3.9	91
155	Persistent effects of acidification on stream ecosystem structure and function. <i>Freshwater Science</i> , 2013 , 32, 586-596	2	10
154	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	3.8	26
153	Permafrost and fire as regulators of stream chemistry in basins of the Central Siberian Plateau. <i>Biogeochemistry</i> , 2013 , 116, 55-68	3.8	21
152	Limited effects of suburbanization on the genetic structure of an abundant vernal pool-breeding amphibian. <i>Conservation Genetics</i> , 2013 , 14, 1083-1097	2.6	16
151	Trends in stream nitrogen concentrations for forested reference catchments across the USA. <i>Environmental Research Letters</i> , 2013 , 8, 014039	6.2	43
150	Quantifying the production of dissolved organic nitrogen in headwater streams using ¹⁵ N tracer additions. <i>Limnology and Oceanography</i> , 2013 , 58, 1271-1285	4.8	18
149	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	3.7	10
148	Effects of suburbanization on foodweb stoichiometry of detritus-based streams. <i>Freshwater Science</i> , 2012 , 31, 1202-1213	2	7
147	Surprises and Insights from Long-Term Aquatic Data Sets and Experiments. <i>BioScience</i> , 2012 , 62, 709-721	5.7	75
146	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, 919-30	1.4	15
145	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	11.4	2
144	Scaling the gas transfer velocity and hydraulic geometry in streams and small rivers. <i>Limnology & Oceanography Fluids & Environments</i> , 2012 , 2, 41-53		312
143	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , 2012 , 2, 229-236	2.4	195

142	Ecological Paradigms for the Tropics 2012 , 3-41		5
141	Geographic and Ecological Setting of the Luquillo Mountains 2012 , 72-163		16
140	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,	5.4	56
139	An integrated conceptual framework for long-term social-ecological research. <i>Frontiers in Ecology and the Environment</i> , 2011 , 9, 351-357	5.5	386
138	Thinking outside the channel: modeling nitrogen cycling in networked river ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2011 , 9, 229-238	5.5	80
137	Twelve testable hypotheses on the geobiology of weathering. <i>Geobiology</i> , 2011 , 9, 140-65	4.3	98
136	Microbial immobilization and mineralization of dissolved organic nitrogen from forest floors. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1742-1745	7.5	30
135	Export of dissolved carbon from watersheds of the Central Siberian Plateau. <i>Doklady Earth Sciences</i> , 2011 , 441, 1568-1571	0.6	3
134	Effects of nitrogen additions on above- and belowground carbon dynamics in two tropical forests. <i>Biogeochemistry</i> , 2011 , 104, 203-225	3.8	125
133	Cross-stream comparison of substrate-specific denitrification potential. <i>Biogeochemistry</i> , 2011 , 104, 381-392	3.92	53
132	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, 214-9	11.5	390
131	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	6.2	64
130	Impacts of Hurricanes on Forest Hydrology and Biogeochemistry. <i>Ecological Studies</i> , 2011 , 643-657	1.1	5
129	Inter-regional comparison of land-use effects on stream metabolism. <i>Freshwater Biology</i> , 2010 , 55, 1874-1890	3.1890	227
128	Biotic and abiotic controls on the ecosystem significance of consumer excretion in two contrasting tropical streams. <i>Freshwater Biology</i> , 2010 , 55, 2047-2061	3.1	38
127	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	11.4	80
126	Denitrification and total nitrate uptake in streams of a tropical landscape 2010 , 20, 2104-15		20
125	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	5.5	72

124	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	6.7	44
123	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	2.6	20
122	Biological Nitrogen Fixation in Two Tropical Forests: Ecosystem-Level Patterns and Effects of Nitrogen Fertilization. <i>Ecosystems</i> , 2009 , 12, 1299-1315	3.9	107
121	Predator-prey interactions in river networks: comparing shrimp spatial refugia in two drainage basins. <i>Freshwater Biology</i> , 2009 , 54, 450-465	3.1	59
120	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, 4320-6	10.3	141
119	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		13
118	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		88
117	Nitrate removal in stream ecosystems measured by 15N addition experiments: Total uptake. <i>Limnology and Oceanography</i> , 2009 , 54, 653-665	4.8	142
116	Nitrate removal in stream ecosystems measured by 15N addition experiments: Denitrification. <i>Limnology and Oceanography</i> , 2009 , 54, 666-680	4.8	155
115	Stream denitrification across biomes and its response to anthropogenic nitrate loading. <i>Nature</i> , 2008 , 452, 202-5	50.4	932
114	Seasonal observations of surface waters in two Gulf of Maine estuary-plume systems: Relationships between watershed attributes, optical measurements and surface pCO ₂ . <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 77, 245-252	2.9	47
113	Spectral analysis of coniferous foliage and possible links to soil chemistry: are spectral chlorophyll indices related to forest floor dissolved organic C and N?. <i>Science of the Total Environment</i> , 2008 , 404, 424-32	10.2	12
112	Twenty years apart: Comparisons of DOM uptake during leaf leachate releases to Hubbard Brook Valley streams in 1979 versus 2000. <i>Journal of Geophysical Research</i> , 2008 , 113,		29
111	Spatial and temporal variations in DOM composition in ecosystems: The importance of long-term monitoring of optical properties. <i>Journal of Geophysical Research</i> , 2008 , 113,		316
110	Chapter 11 Distribution and role of mat-forming saprobic basidiomycetes in a tropical forest. <i>British Mycological Society Symposia Series</i> , 2008 , 28, 197-209		4
109	Long-Term Trends in Stream Nitrate Concentrations and Losses Across Watersheds Undergoing Recovery from Acidification in the Czech Republic. <i>Ecosystems</i> , 2008 , 11, 410-425	3.9	58
108	Groundwater-surface water interactions, nutrient fluxes and ecological response in river corridors: Translating science into effective environmental management. <i>Hydrological Processes</i> , 2008 , 22, 151-157	3.3	37
107	Spatial and temporal variation of dissolved organic carbon export from gauged and ungauged watersheds of Dee Valley, Scotland: Effect of land cover and C:N. <i>Water Resources Research</i> , 2007 , 43,	5.4	32

106	Controls on major solutes within the drainage network of a rapidly weathering tropical watershed. <i>Water Resources Research</i> , 2007 , 43,	5.4	23
105	Modelling DOC export from watersheds in Scotland using neural networks. <i>Computers and Geosciences</i> , 2007 , 33, 423-436	4.5	22
104	Evolution of Chemistry along the Bagmati Drainage Network in Kathmandu Valley. <i>Water, Air, and Soil Pollution</i> , 2007 , 185, 165-176	2.6	14
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