

# William H Mcdowell

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6577752/william-h-mcdowell-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Plumbing the Global Carbon Cycle: Integrating Inland Waters into the Terrestrial Carbon Budget. <i>Ecosystems</i> , <b>2007</b> , 10, 172-185	3.9	2235
266	Biogeochemical Hot Spots and Hot Moments at the Interface of Terrestrial and Aquatic Ecosystems. <i>Ecosystems</i> , <b>2003</b> , 6, 301-312	3.9	1531
265	Nitrogen Saturation in Temperate Forest Ecosystems. <i>BioScience</i> , <b>1998</b> , 48, 921-934	5.7	1414
264	The global abundance and size distribution of lakes, ponds, and impoundments. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 2388-2397	4.8	1118
263	Control of nitrogen export from watersheds by headwater streams. <i>Science</i> , <b>2001</b> , 292, 86-90	33.3	1042
262	Stream denitrification across biomes and its response to anthropogenic nitrate loading. <i>Nature</i> , <b>2008</b> , 452, 202-5	50.4	932
261	Origin, Composition, and Flux of Dissolved Organic Carbon in the Hubbard Brook Valley. <i>Ecological Monographs</i> , <b>1988</b> , 58, 177-195	9	534
260	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> , <b>2011</b> , 108, 214-9	11.5	390
259	An integrated conceptual framework for long-term social-ecological research. <i>Frontiers in Ecology and the Environment</i> , <b>2011</b> , 9, 351-357	5.5	386
258	Soil C:N ratio as a predictor of annual riverine DOC flux at local and global scales. <i>Global Biogeochemical Cycles</i> , <b>2000</b> , 14, 127-138	5.9	349
257	Acid rain-dissolved aluminum and chemical weathering at the Hubbard Brook Experimental Forest, New Hampshire. <i>Geochimica Et Cosmochimica Acta</i> , <b>1981</b> , 45, 1421-1437	5.5	345
256	Ecosystem response to 15 years of chronic nitrogen additions at the Harvard Forest LTER, Massachusetts, USA. <i>Forest Ecology and Management</i> , <b>2004</b> , 196, 7-28	3.9	344
255	The globalization of N deposition: ecosystem consequences in tropical environments. <i>Biogeochemistry</i> , <b>1999</b> , 46, 67-83	3.8	330
254	Spatial and temporal variations in DOM composition in ecosystems: The importance of long-term monitoring of optical properties. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		316
253	Scaling the gas transfer velocity and hydraulic geometry in streams and small rivers. <i>Limnology &amp; Oceanography Fluids &amp; Environments</i> , <b>2012</b> , 2, 41-53		312
252	Inter-biome comparison of factors controlling stream metabolism. <i>Freshwater Biology</i> , <b>2001</b> , 46, 1503-1517	5.17	308
251	Vertical transport of dissolved organic C and N under long-term N amendments in pine and hardwood forests. <i>Biogeochemistry</i> , <b>1996</b> , 35, 471-505	3.8	291

250	PODZOLIZATION. <i>Soil Science</i> , <b>1984</b> , 137, 23-32	0.9	286
249	Long-Term Nitrogen Additions and Nitrogen Saturation in Two Temperate Forests. <i>Ecosystems</i> , <b>2000</b> , 3, 238-253	3.9	249
248	The origin, composition and rates of organic nitrogen deposition: A missing piece of the nitrogen cycle?. <i>Biogeochemistry</i> , <b>2002</b> , 57, 99-136	3.8	248
247	Macrosystems ecology: understanding ecological patterns and processes at continental scales. <i>Frontiers in Ecology and the Environment</i> , <b>2014</b> , 12, 5-14	5.5	230
246	Export of carbon, nitrogen, and major ions from three tropical montane watersheds. <i>Limnology and Oceanography</i> , <b>1994</b> , 39, 111-125	4.8	230
245	Inter-regional comparison of land-use effects on stream metabolism. <i>Freshwater Biology</i> , <b>2010</b> , 55, 1874-1890	3.1890	227
244	Chronic nitrogen additions suppress decomposition and sequester soil carbon in temperate forests. <i>Biogeochemistry</i> , <b>2014</b> , 121, 305-316	3.8	221
243	Factors affecting ammonium uptake in streams: An inter-biome perspective. <i>Freshwater Biology</i> , <b>2003</b> , 48, 1329-1352	3.1	196
242	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , <b>2012</b> , 2, 229-236	2.4	195
241	N uptake as a function of concentration in streams. <i>Journal of the North American Benthological Society</i> , <b>2002</b> , 21, 206-220		191
240	Dissolved organic matter in soils: Future directions and unanswered questions. <i>Geoderma</i> , <b>2003</b> , 113, 179-186	6.7	178
239	Nitrogen stable isotopic composition of leaves and soil: Tropical versus temperate forests. <i>Biogeochemistry</i> , <b>1999</b> , 46, 45-65	3.8	168
238	The importance of nutrient pulses in tropical forests. <i>Trends in Ecology and Evolution</i> , <b>1994</b> , 9, 384-7	10.9	164
237	Cloudwater chemistry from ten sites in North America. <i>Environmental Science &amp; Technology</i> , <b>1988</b> , 22, 1018-1026	10.3	163
236	The Long-term Effects of Disturbance on Organic and Inorganic Nitrogen Export in the White Mountains, New Hampshire. <i>Ecosystems</i> , <b>2000</b> , 3, 433-450	3.9	162
235	Dissolved organic nitrogen budgets for upland, forested ecosystems in New England. <i>Biogeochemistry</i> , <b>2000</b> , 49, 123-142	3.8	161
234	Can uptake length in streams be determined by nutrient addition experiments? Results from an interbiome comparison study. <i>Journal of the North American Benthological Society</i> , <b>2002</b> , 21, 544-560		159
233	Can't See the Forest for the Stream? In-stream Processing and Terrestrial Nitrogen Exports. <i>BioScience</i> , <b>2005</b> , 55, 219	5.7	158

232	The metabolic regimes of flowing waters. <i>Limnology and Oceanography</i> , <b>2018</b> , 63, S99	4.8	157
231	Nitrate removal in stream ecosystems measured by 15N addition experiments: Denitrification. <i>Limnology and Oceanography</i> , <b>2009</b> , 54, 666-680	4.8	155
230	A cross-system comparison of bacterial and fungal biomass in detritus pools of headwater streams. <i>Microbial Ecology</i> , <b>2002</b> , 43, 55-66	4.4	155
229	A comparison of methods to determine the biodegradable dissolved organic carbon from different terrestrial sources. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 1933-1942	7.5	153
228	Nitrate removal in stream ecosystems measured by 15N addition experiments: Total uptake. <i>Limnology and Oceanography</i> , <b>2009</b> , 54, 653-665	4.8	142
227	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 &amp; Technology</i> , <b>2009</b> , 43, 4320-6	10.3	141
226	FRESHWATER SHRIMP EFFECTS ON DETRITAL PROCESSING AND NUTRIENTS IN A TROPICAL HEADWATER STREAM. <i>Ecology</i> , <b>2001</b> , 82, 775-783	4.6	140
225	Elemental Dynamics in Streams. <i>Journal of the North American Benthological Society</i> , <b>1988</b> , 7, 410-432		140
224	Nitrogen yields from undisturbed watersheds in the Americas. <i>Biogeochemistry</i> , <b>1999</b> , 46, 149-162	3.8	131
223	Disturbance and long-term patterns of rainfall and throughfall nutrient fluxes in a subtropical wet forest in Puerto Rico. <i>Journal of Hydrology</i> , <b>2007</b> , 333, 472-485	6	129
222	Novel ecosystems in the Anthropocene: a revision of the novel ecosystem concept for pragmatic applications. <i>Ecology and Society</i> , <b>2014</b> , 19,	4.1	127
221	Effects of nitrogen additions on above- and belowground carbon dynamics in two tropical forests. <i>Biogeochemistry</i> , <b>2011</b> , 104, 203-225	3.8	125
220	The effect of permafrost on stream biogeochemistry: A case study of two streams in the Alaskan (U.S.A.) taiga. <i>Biogeochemistry</i> , <b>1999</b> , 47, 239-267	3.8	125
219	Biodegradable dissolved organic carbon in forest soil solution and effects of chronic nitrogen deposition. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1743-1751	7.5	123
218	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> , <b>2018</b> , 626, 1439-1462	10.2	121
217	Riparian nitrogen dynamics in two geomorphologically distinct tropical rain forest watersheds: subsurface solute patterns. <i>Biogeochemistry</i> , <b>1992</b> , 18, 53-75	3.8	120
216	Autumnal Processing of Dissolved Organic Matter in a Small Woodland Stream Ecosystem. <i>Ecology</i> , <b>1976</b> , 57, 561-569	4.6	119
215	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 1369-1394	10.2	117

214	Merging aquatic and terrestrial perspectives of nutrient biogeochemistry. <i>Oecologia</i> , <b>2003</b> , 137, 485-501	2.9	115
213	Effects of chronic nitrogen amendment on dissolved organic matter and inorganic nitrogen in soil solution. <i>Forest Ecology and Management</i> , <b>2004</b> , 196, 29-41	3.9	113
212	The globalization of N deposition: ecosystem consequences in tropical environments. <i>Biogeochemistry</i> , <b>1999</b> , 46, 67-83	3.8	110
211	Biological Nitrogen Fixation in Two Tropical Forests: Ecosystem-Level Patterns and Effects of Nitrogen Fertilization. <i>Ecosystems</i> , <b>2009</b> , 12, 1299-1315	3.9	107
210	Effects of nutrient availability and other elevational changes on bromeliad populations and their invertebrate communities in a humid tropical forest in Puerto Rico. <i>Journal of Tropical Ecology</i> , <b>2000</b> , 16, 167-188	1.3	106
209	The next generation of site-based long-term ecological monitoring: Linking essential biodiversity variables and ecosystem integrity. <i>Science of the Total Environment</i> , <b>2018</b> , 613-614, 1376-1384	10.2	105
208	Internal nutrient fluxes in a Puerto Rican rain forest. <i>Journal of Tropical Ecology</i> , <b>1998</b> , 14, 521-536	1.3	104
207	Carbon and nitrogen stoichiometry and nitrogen cycling rates in streams. <i>Oecologia</i> , <b>2004</b> , 140, 458-67	2.9	99
206	Twelve testable hypotheses on the geobiology of weathering. <i>Geobiology</i> , <b>2011</b> , 9, 140-65	4.3	98
205	Tracking evolution of urban biogeochemical cycles: past, present, and future. <i>Biogeochemistry</i> , <b>2014</b> , 121, 1-21	3.8	94
204	When Wet Gets Wetter: Decoupling of Moisture, Redox Biogeochemistry, and Greenhouse Gas Fluxes in a Humid Tropical Forest Soil. <i>Ecosystems</i> , <b>2013</b> , 16, 576-589	3.9	91
203	Influence of sea salt aerosols and long range transport on precipitation chemistry at El Verde, Puerto Rico. <i>Atmospheric Environment Part A General Topics</i> , <b>1990</b> , 24, 2813-2821		91
202	Indirect upstream effects of dams: consequences of migratory consumer extirpation in Puerto Rico		89
201	Salinization of urbanizing New Hampshire streams and groundwater: effects of road salt and hydrologic variability. <i>Journal of the North American Benthological Society</i> , <b>2009</b> , 28, 929-940		88
200	Effects of Chronic Nitrogen Amendments on Production of Dissolved Organic Carbon and Nitrogen in Forest Soils. <i>Water, Air, and Soil Pollution</i> , <b>1998</b> , 105, 175-182	2.6	86
199	New perspectives in ecotoxicology. <i>Environmental Management</i> , <b>1984</b> , 8, 375-442	3.1	86
198	Seasonal variation of tropical precipitation chemistry: La Selva, Costa Rica. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 3903-3910	5.3	85
197	Long-term influence of deforestation on tree species composition and litter dynamics of a tropical rain forest in Puerto Rico. <i>Forest Ecology and Management</i> , <b>1995</b> , 78, 147-157	3.9	84

196	Long-term Decreases in Stream Nitrate: Successional Causes Unlikely; Possible Links to DOC?. <i>Ecosystems</i> , <b>2005</b> , 8, 334-337	3.9	82
195	Thinking outside the channel: modeling nitrogen cycling in networked river ecosystems. <i>Frontiers in Ecology and the Environment</i> , <b>2011</b> , 9, 229-238	5.5	80
194	The response of heterotrophic activity and carbon cycling to nitrogen additions and warming in two tropical soils. <i>Global Change Biology</i> , <b>2010</b> , 16, 2555	11.4	80
193	Does Anthropogenic Nitrogen Enrichment Increase Organic Nitrogen Concentrations in Runoff from Forested and Human-dominated Watersheds?. <i>Ecosystems</i> , <b>2006</b> , 9, 852-864	3.9	78
192	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. <i>GigaScience</i> , <b>2017</b> , 6, 1-22	7.6	75
191	Surprises and Insights from Long-Term Aquatic Data Sets and Experiments. <i>BioScience</i> , <b>2012</b> , 62, 709-725	5.7	75
190	Stream geochemistry, chemical weathering and CO2 consumption potential of andesitic terrains, Dominica, Lesser Antilles. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 85-103	5.5	72
189	Role of wetlands and developed land use on dissolved organic nitrogen concentrations and DON/TDN in northeastern U.S. rivers and streams. <i>Limnology and Oceanography</i> , <b>2004</b> , 49, 910-918	4.8	70
188	LINKING SPECIES AND ECOSYSTEMS: DIFFERENT BIOTIC ASSEMBLAGES CAUSE INTERSTREAM DIFFERENCES IN ORGANIC MATTER. <i>Ecology</i> , <b>1999</b> , 80, 1860-1872	4.6	69
187	A new framework for selecting environmental surrogates. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 1029-38	10.2	67
186	Decadal trends reveal recent acceleration in the rate of recovery from acidification in the northeastern U.S. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4681-9	10.3	67
185	Nitrogen and phosphorus budgets for a tropical watershed impacted by agricultural land use: Guayas, Ecuador. <i>Biogeochemistry</i> , <b>2006</b> , 79, 135-161	3.8	66
184	Moisture and substrate availability constrain soil trace gas fluxes in an eastern Amazonian regrowth forest. <i>Global Biogeochemical Cycles</i> , <b>2004</b> , 18, n/a-n/a	5.9	66
183	Solute deposition from cloud water to the canopy of a puerto rican montane forest. <i>Atmospheric Environment</i> , <b>1994</b> , 28, 1773-1780	5.3	65
182	Sources and the flux pattern of dissolved carbon in rivers of the Yenisey basin draining the Central Siberian Plateau. <i>Environmental Research Letters</i> , <b>2011</b> , 6, 045212	6.2	64
181	Predator-prey interactions in river networks: comparing shrimp spatial refugia in two drainage basins. <i>Freshwater Biology</i> , <b>2009</b> , 54, 450-465	3.1	59
180	Characterizing nitrogen dynamics, retention and transport in a tropical rainforest stream using an in situ <sup>15</sup> N addition. <i>Freshwater Biology</i> , <b>2002</b> , 47, 143-160	3.1	59
179	Nitrogen yields from undisturbed watersheds in the Americas. <i>Biogeochemistry</i> , <b>1999</b> , 46, 149-162	3.8	59

178	Dissolved organic carbon uptake in streams: A review and assessment of reach-scale measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 2019-2029	3.7	58
177	Two roles for ecological surrogacy: Indicator surrogates and management surrogates. <i>Ecological Indicators</i> , <b>2016</b> , 63, 121-125	5.8	58
176	Chemical constituents in clouds and rainwater in the Puerto Rican rainforest: Potential sources and seasonal drivers. <i>Atmospheric Environment</i> , <b>2013</b> , 68, 208-220	5.3	58
175	Urban Evolution: The Role of Water. <i>Water (Switzerland)</i> , <b>2015</b> , 7, 4063-4087	3	58
174	Long-Term Trends in Stream Nitrate Concentrations and Losses Across Watersheds Undergoing Recovery from Acidification in the Czech Republic. <i>Ecosystems</i> , <b>2008</b> , 11, 410-425	3.9	58
173	A High-Temperature Catalytic Oxidation Technique for Determining Total Dissolved Nitrogen. <i>Soil Science Society of America Journal</i> , <b>1996</b> , 60, 1050-1055	2.5	58
172	Continental-scale decrease in net primary productivity in streams due to climate warming. <i>Nature Geoscience</i> , <b>2018</b> , 11, 415-420	18.3	57
171	Long-term patterns and short-term dynamics of stream solutes and suspended sediment in a rapidly weathering tropical watershed. <i>Water Resources Research</i> , <b>2011</b> , 47,	5.4	56
170	Effects of hurricane disturbance on stream water concentrations and fluxes in eight tropical forest watersheds of the Luquillo Experimental Forest, Puerto Rico. <i>Journal of Tropical Ecology</i> , <b>2000</b> , 16, 189-207	1.3	56
169	Riparian nitrogen dynamics in two geomorphologically distinct tropical rain forest watersheds: nitrous oxide fluxes. <i>Biogeochemistry</i> , <b>1992</b> , 18, 77-99	3.8	56
168	Cross-stream comparison of substrate-specific denitrification potential. <i>Biogeochemistry</i> , <b>2011</b> , 104, 381-392	3.92	53
167	Summary of Ecosystem-Level Effects of Caribbean Hurricanes. <i>Biotropica</i> , <b>1991</b> , 23, 373	2.3	53
166	Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth. <i>Earth Surface Dynamics</i> , <b>2017</b> , 5, 841-860	3.8	52
165	Foliar free polyamine and inorganic ion content in relation to soil and soil solution chemistry in two fertilized forest stands at the Harvard Forest, Massachusetts. <i>Plant and Soil</i> , <b>2000</b> , 222, 119-137	4.2	51
164	C and N dynamics in the riparian and hyporheic zones of a tropical stream, Luquillo Mountains, Puerto Rico. <i>Journal of the North American Benthological Society</i> , <b>2000</b> , 19, 199-214		50
163	Dissolved Organic Matter: Linking Soils and Aquatic Systems. <i>Vadose Zone Journal</i> , <b>2014</b> , 13, vzj2014.05.0051	0.51	49
162	Reducing bias and quantifying uncertainty in watershed flux estimates: the R package loadflex. <i>Ecosphere</i> , <b>2015</b> , 6, art269	3.1	49
161	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> , <b>2015</b> , 44, 178-93	6.5	49

160	Seasonal observations of surface waters in two Gulf of Maine estuary-plume systems: Relationships between watershed attributes, optical measurements and surface pCO <sub>2</sub> . <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 77, 245-252	2.9	47
159	Nitrogen transformations in a small mountain stream. <i>Hydrobiologia</i> , <b>1985</b> , 124, 129-139	2.4	47
158	Effects of Hurricane Disturbance on Groundwater Chemistry and Riparian Function in a Tropical Rain Forest. <i>Biotropica</i> , <b>1996</b> , 28, 577	2.3	46
157	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> , <b>2010</b> , 159, 139-146	6.7	44
156	Sources and Molecular Weight of "Dissolved" Organic Carbon in an Oligotrophic Lake. <i>Oikos</i> , <b>1984</b> , 42, 1	4	44
155	The origin, composition and rates of organic nitrogen deposition: A missing piece of the nitrogen cycle? <b>2002</b> , 99-136		44
154	Partitioning assimilatory nitrogen uptake in streams: an analysis of stable isotope tracer additions across continents. <i>Ecological Monographs</i> , <b>2018</b> , 88, 120-138	9	43
153	Trends in stream nitrogen concentrations for forested reference catchments across the USA. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 014039	6.2	43
152	Deconstructing the Effects of Flow on DOC, Nitrate, and Major Ion Interactions Using a High-Frequency Aquatic Sensor Network. <i>Water Resources Research</i> , <b>2017</b> , 53, 10655-10673	5.4	42
151	Recovery from acidification alters concentrations and fluxes of solutes from Czech catchments. <i>Biogeochemistry</i> , <b>2017</b> , 132, 251-272	3.8	42
150	A longer vernal window: the role of winter coldness and snowpack in driving spring transitions and lags. <i>Global Change Biology</i> , <b>2017</b> , 23, 1610-1625	11.4	40
149	Soil microbial biomass and activity in tropical riparian forests. <i>Soil Biology and Biochemistry</i> , <b>2001</b> , 33, 1339-1348	7.5	39
148	Export of Nutrients and Major Ions from Caribbean Catchments. <i>Journal of the North American Benthological Society</i> , <b>1995</b> , 14, 12-20		39
147	Biotic and abiotic controls on the ecosystem significance of consumer excretion in two contrasting tropical streams. <i>Freshwater Biology</i> , <b>2010</b> , 55, 2047-2061	3.1	38
146	Critical zone structure controls concentration-discharge relationships and solute generation in forested tropical montane watersheds. <i>Water Resources Research</i> , <b>2017</b> , 53, 6279-6295	5.4	37
145	Groundwater-surface water interactions, nutrient fluxes and ecological response in river corridors: Translating science into effective environmental management. <i>Hydrological Processes</i> , <b>2008</b> , 22, 151-157	3.3	37
144	Source- and substrate-specific export of dissolved organic matter from permafrost-dominated forested watershed in central Siberia. <i>Global Biogeochemical Cycles</i> , <b>2007</b> , 21, n/a-n/a	5.9	37
143	Climatic factors influencing fluxes of dissolved organic carbon from the forest floor in a continuous-permafrost Siberian watershed. <i>Canadian Journal of Forest Research</i> , <b>2005</b> , 35, 2130-2140	1.9	36



142	Quantification of Biodegradable Dissolved Organic Carbon in Soil Solution with Flow-Through Bioreactors. <i>Soil Science Society of America Journal</i> , <b>1998</b> , 62, 1556-1564	2.5	36
141	You are not always what we think you eat: selective assimilation across multiple whole-stream isotopic tracer studies. <i>Ecology</i> , <b>2014</b> , 95, 2757-2767	4.6	35
140	Greenhouse gas flux from headwater streams in New Hampshire, USA: Patterns and drivers. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, S165-S174	4.8	35
139	Urban influences on the nitrogen cycle in Puerto Rico. <i>Biogeochemistry</i> , <b>2006</b> , 79, 109-133	3.8	34
138	Hurricanes, people, and riparian zones: controls on nutrient losses from forested Caribbean watersheds. <i>Forest Ecology and Management</i> , <b>2001</b> , 154, 443-451	3.9	34
137	Simplified Version of the Ampoulesulfate Method for Determination of Dissolved Organic Carbon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1987</b> , 44, 214-218	2.4	34
136	DOC:NO <sub>3</sub> <sup>-</sup> ratios and NO <sub>3</sub> <sup>-</sup> uptake in forested headwater streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 205-217	3.7	33
135	Remote sensing of foliar nitrogen in cultivated grasslands of human dominated landscapes. <i>Remote Sensing of Environment</i> , <b>2015</b> , 167, 88-97	13.2	32
134	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> , <b>2007</b> , 43,	5.4	32
133	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> , <b>2016</b> , 127, 353-365	3.8	31
132	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. <i>Biogeochemistry</i> , <b>1999</b> , 46, 85-108	3.8	31
131	Factors Limiting Primary Productivity in Lake Ontario Tributaries Receiving Salmon Migrations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1992</b> , 49, 2377-2385	2.4	31
130	Microbial immobilization and mineralization of dissolved organic nitrogen from forest floors. <i>Soil Biology and Biochemistry</i> , <b>2011</b> , 43, 1742-1745	7.5	30
129	An Evaluation of Nitrate, fDOM, and Turbidity Sensors in New Hampshire Streams. <i>Water Resources Research</i> , <b>2018</b> , 54, 2466-2479	5.4	29
128	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> , <b>2008</b> , 113,		29
127	Nitrogen additions mobilize soil base cations in two tropical forests. <i>Biogeochemistry</i> , <b>2016</b> , 128, 67-88	3.8	28
126	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> , <b>2014</b> , 71, 911-922	2.9	28
125	Distribution of nitrous oxide and regulators of its production across a tropical rainforest catena in the Luquillo Experimental Forest, Puerto Rico. <i>Biogeochemistry</i> , <b>2001</b> , 56, 265-286	3.8	28

124	Mass mortality of a dominant invasive species in response to an extreme climate event: Implications for ecosystem function. <i>Limnology and Oceanography</i> , <b>2017</b> , 62, 177-188	4.8	27
123	Concentration-Discharge Relations in the Critical Zone: Implications for Resolving Critical Zone Structure, Function, and Evolution. <i>Water Resources Research</i> , <b>2017</b> , 53, 8654-8659	5.4	26
122	Interactions between lithology and biology drive the long-term response of stream chemistry to major hurricanes in a tropical landscape. <i>Biogeochemistry</i> , <b>2013</b> , 116, 175-186	3.8	26
121	Leaf-litter leachate is distinct in optical properties and bioavailability to stream heterotrophs. <i>Freshwater Science</i> , <b>2015</b> , 34, 857-866	2	25
120	Short-Term Disappearance of Foliar Litter in Three Species Before and After a Hurricane1. <i>Biotropica</i> , <b>1999</b> , 31, 382-393	2.3	25
119	Nutrient uptake along a fire gradient in boreal streams of Central Siberia. <i>Freshwater Science</i> , <b>2015</b> , 34, 1443-1456	2	23
118	Direct response of dissolved organic nitrogen to nitrate availability in headwater streams. <i>Biogeochemistry</i> , <b>2015</b> , 126, 1-10	3.8	23
117	Controls on major solutes within the drainage network of a rapidly weathering tropical watershed. <i>Water Resources Research</i> , <b>2007</b> , 43,	5.4	23
116	Homogenization of dissolved organic matter within a river network occurs in the smallest headwaters. <i>Biogeochemistry</i> , <b>2019</b> , 143, 85-104	3.8	23
115	Nitrate uptake across biomes and the influence of elemental stoichiometry: A new look at LINX II. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 1183-1191	5.9	22
114	Acidification and Climate Linkages to Increased Dissolved Organic Carbon in High-Elevation Lakes. <i>Water Resources Research</i> , <b>2018</b> , 54, 5376-5393	5.4	22
113	Modelling DOC export from watersheds in Scotland using neural networks. <i>Computers and Geosciences</i> , <b>2007</b> , 33, 423-436	4.5	22
112	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> , <b>2014</b> , 332, 56-63 <sup>3,9</sup>	3.9	21
111	Permafrost and fire as regulators of stream chemistry in basins of the Central Siberian Plateau. <i>Biogeochemistry</i> , <b>2013</b> , 116, 55-68	3.8	21
110	Tropical river suspended sediment and solute dynamics in storms during an extreme drought. <i>Water Resources Research</i> , <b>2017</b> , 53, 3695-3712	5.4	20
109	Denitrification and total nitrate uptake in streams of a tropical landscape <b>2010</b> , 20, 2104-15		20
108	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> , <b>2010</b> , 8, 196-201	2.6	20
107	The globalization of N deposition: ecosystem consequences in tropical environments <b>1999</b> , 67-83		20

106	Using In-Situ Optical Sensors to Understand the Biogeochemistry of Dissolved Organic Matter Across a Stream Network. <i>Water Resources Research</i> , <b>2018</b> , 54, 2949-2958	5.4	19
105	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. <i>Biogeosciences</i> , <b>2018</b> , 15, 4815-4832	4.6	19
104	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> , <b>2015</b> , 35, 894-909	4.2	19
103	NEON and STREON: opportunities and challenges for the aquatic sciences. <i>Freshwater Science</i> , <b>2015</b> , 34, 386-391	2	19
102	Hysteretic Response of Solutes and Turbidity at the Event Scale Across Forested Tropical Montane Watersheds. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	18
101	Permafrost Regime Affects the Nutritional Status and Productivity of Larches in Central Siberia. <i>Forests</i> , <b>2018</b> , 9, 314	2.8	18
100	Incorporating urban infrastructure into biogeochemical assessment of urban tropical streams in Puerto Rico. <i>Biogeochemistry</i> , <b>2014</b> , 121, 271-286	3.8	18
99	Quantifying the production of dissolved organic nitrogen in headwater streams using <sup>15</sup> N tracer additions. <i>Limnology and Oceanography</i> , <b>2013</b> , 58, 1271-1285	4.8	18
98	Global carbon dioxide efflux from rivers enhanced by high nocturnal emissions. <i>Nature Geoscience</i> , <b>2021</b> , 14, 289-294	18.3	18
97	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> , <b>2015</b> , 52, 67-75	3.5	17
96	Do small-scale enclosure/enclosure experiments predict the effects of large-scale extirpation of freshwater migratory fauna?. <i>Oecologia</i> , <b>2006</b> , 149, 709-17	2.9	17
95	Limited effects of suburbanization on the genetic structure of an abundant vernal pool-breeding amphibian. <i>Conservation Genetics</i> , <b>2013</b> , 14, 1083-1097	2.6	16
94	Organic Matter Dynamics in Bear Brook, Hubbard Brook Experimental Forest, New Hampshire, USA. <i>Journal of the North American Benthological Society</i> , <b>1997</b> , 16, 43-46		16
93	Geographic and Ecological Setting of the Luquillo Mountains <b>2012</b> , 72-163		16
92	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , <b>2020</b> , 10, 8722	4.9	15
91	Effects of headwater wetlands on dissolved nitrogen and dissolved organic carbon concentrations in a suburban New Hampshire watershed. <i>Freshwater Science</i> , <b>2015</b> , 34, 456-471	2	15
90	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> , <b>2012</b> , 84, 919-30	1.4	15
89	Analysis of Nitrogen Dynamics in the Lye Brook Wilderness Area, Vermont, USA. <i>Water, Air, and Soil Pollution</i> , <b>2000</b> , 122, 63-75	2.6	15

88	A Research Framework to Integrate Cross-Ecosystem Responses to Tropical Cyclones. <i>BioScience</i> , <b>2020</b> , 70, 477-489	5.7	14
87	Variation of organic matter quantity and quality in streams at Critical Zone Observatory watersheds. <i>Water Resources Research</i> , <b>2016</b> , 52, 8202-8216	5.4	14
86	Nitrogen removal rates in a frigid high-altitude river estimated by measuring dissolved N and NO. <i>Science of the Total Environment</i> , <b>2018</b> , 645, 318-328	10.2	14
85	Effects of sewage effluents on water quality in tropical streams. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 2053-63	3.4	14
84	Evolution of Chemistry along the Bagmati Drainage Network in Kathmandu Valley. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 185, 165-176	2.6	14
83	Dissolved Organic Carbon Retention in Soils. <i>Soil Science Society of America Journal</i> , <b>2002</b> , 66, 563	2.5	14
82	Connecting tropical river DOM and POM to the landscape with lignin. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 219, 143-159	5.5	13
81	Variation in Detrital Resource Stoichiometry Signals Differential Carbon to Nutrient Limitation for Stream Consumers Across Biomes. <i>Ecosystems</i> , <b>2018</b> , 21, 1676-1691	3.9	13
80	Baseflow physical characteristics differ at multiple spatial scales in stream networks across diverse biomes. <i>Landscape Ecology</i> , <b>2016</b> , 31, 119-136	4.3	13
79	Ecosystem metabolism and nutrient uptake in an urban, piped headwater stream. <i>Biogeochemistry</i> , <b>2014</b> , 121, 167-187	3.8	13
78	The biogeochemical influences of NO <sub>3</sub> <sup>-</sup> dissolved O <sub>2</sub> , and dissolved organic C on stream NO <sub>3</sub> <sup>-</sup> uptake. <i>Journal of the North American Benthological Society</i> , <b>2009</b> , 28, 894-907		13
77	Dissolved Organic Carbon Retention in Soils. <i>Soil Science Society of America Journal</i> , <b>2002</b> , 66, 563-568	2.5	13
76	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> , <b>2008</b> , 404, 424-32	10.2	12
75	Dissolved Organic Carbon and Nitrate Concentration-Discharge Behavior Across Scales: Land Use, Excursions, and Misclassification. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR027028	5.4	12
74	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> , <b>2018</b> , 123, 3072-3087	3.7	12
73	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> , <b>2019</b> , 15,	5.1	11
72	Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth <b>2017</b> ,		11
71	Nitrification increases nitrogen export from a tropical river network. <i>Freshwater Science</i> , <b>2017</b> , 36, 698-712		11

70	Mirex DPhotomirex Relationships in Lake Ontario. <i>Journal of Great Lakes Research</i> , <b>1992</b> , 18, 405-414	3	11
69	Upstream Transport of Mirex by Migrating Salmonids. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1989</b> , 46, 1484-1488	2.4	11
68	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> , <b>2016</b> , 16, 653-664	4.6	11
67	SIPCO2: A simple, inexpensive surface water pCO <sub>2</sub> sensor. <i>Limnology and Oceanography: Methods</i> , <b>2017</b> , 15, 291-301	2.6	10
66	Drivers of nitrogen transfer in stream food webs across continents. <i>Ecology</i> , <b>2017</b> , 98, 3044-3055	4.6	10
65	Persistent effects of acidification on stream ecosystem structure and function. <i>Freshwater Science</i> , <b>2013</b> , 32, 586-596	2	10
64	Dissolved organic carbon in headwater streams and riparian soil organic carbon along an altitudinal gradient in the Wuyi Mountains, China. <i>PLoS ONE</i> , <b>2013</b> , 8, e78973	3.7	10
63	Linking Foliar Chemistry to Forest Floor Solid and Solution Phase Organic C and N in <i>Picea abies</i> [L.] Karst Stands in Northern Bohemia. <i>Plant and Soil</i> , <b>2006</b> , 283, 187-201	4.2	10
62	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. <i>Biogeochemistry</i> , <b>1999</b> , 46, 85-108	3.8	10
61	Give and Take: A Watershed Acid Rain Mitigation Experiment Increases Baseflow Nitrogen Retention but Increases Stormflow Nitrogen Export. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13155-13165	10.3	10
60	African dust deposition in Puerto Rico: Analysis of a 20-year rainfall chemistry record and comparison with models. <i>Atmospheric Environment</i> , <b>2019</b> , 216, 116907	5.3	9
59	Nutrient export and elemental stoichiometry in an urban tropical river. <i>Ecological Applications</i> , <b>2019</b> , 29, e01839	4.9	9
58	Nitrate decline unlikely to have triggered release of dissolved organic carbon and phosphate to streams. <i>Global Change Biology</i> , <b>2017</b> , 23, 2535-2536	11.4	8
57	Effects of Chronic Nitrogen Amendments on Production of Dissolved Organic Carbon and Nitrogen in Forest Soils <b>1998</b> , 175-182		8
56	When the rainforest dries: Drought effects on a montane tropical stream ecosystem in Puerto Rico. <i>Freshwater Science</i> , <b>2020</b> , 39, 197-212	2	7
55	Effects of plant species on stream bacterial communities via leachate from leaf litter. <i>Hydrobiologia</i> , <b>2018</b> , 807, 131-144	2.4	7
54	Improving automated phosphorus measurements in freshwater: an analytical approach to eliminating silica interference. <i>Limnology and Oceanography: Methods</i> , <b>2014</b> , 12, 223-231	2.6	7
53	A case study characterizing animal fecal sources in surface water using a mitochondrial DNA marker. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 406	3.1	7

52	Effects of suburbanization on foodweb stoichiometry of detritus-based streams. <i>Freshwater Science</i> , <b>2012</b> , 31, 1202-1213	2	7
51	Nitrogen yields from undisturbed watersheds in the Americas <b>1999</b> , 149-162		7
50	Limited uptake of nutrient input from sewage effluent in a tropical landscape. <i>Freshwater Science</i> , <b>2016</b> , 35, 12-24	2	6
49	Chemical characteristics of leachate from pulp and paper mill residuals used to reclaim a sandy soil. <i>Water, Air, and Soil Pollution</i> , <b>1996</b> , 89, 167-187	2.6	6
48	Distinctive Patterns and Controls of Nitrous Oxide Concentrations and Fluxes from Urban Inland Waters. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 8422-8431	10.3	6
47	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> , <b>2020</b> , 96, 692	13.5	6
46	Trace metals in Northern New England streams: Evaluating the role of road salt across broad spatial scales with synoptic snapshots. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212011	3.7	5
45	Divergent Controls on Stream Greenhouse Gas Concentrations Across a Land-Use Gradient. <i>Ecosystems</i> , <b>2020</b> , 24, 1299	3.9	5
44	The effect of permafrost on stream biogeochemistry: A case study of two streams in the Alaskan (U.S.A.) taiga. <i>Biogeochemistry</i> , <b>1999</b> , 47, 237-265	3.8	5
43	Impacts of Hurricanes on Forest Hydrology and Biogeochemistry. <i>Ecological Studies</i> , <b>2011</b> , 643-657	1.1	5
42	Ecological Paradigms for the Tropics <b>2012</b> , 3-41		5
41	Luquillo Experimental Forest: Catchment science in the montane tropics. <i>Hydrological Processes</i> , <b>2021</b> , 35, e14146	3.3	5
40	The Lamprey River Hydrological Observatory: Suburbanization and changing seasonality. <i>Hydrological Processes</i> , <b>2021</b> , 35, e14131	3.3	5
39	Resolving a paradox-high mercury deposition, but low bioaccumulation in northeastern Puerto Rico. <i>Ecotoxicology</i> , <b>2020</b> , 29, 1207-1220	2.9	5
38	Interbasin flow of geothermally modified ground water stabilizes stream exports of biologically important solutes against variation in precipitation. <i>Freshwater Science</i> , <b>2015</b> , 34, 276-286	2	4
37	Chapter 11 Distribution and role of mat-forming saprobic basidiomycetes in a tropical forest. <i>British Mycological Society Symposia Series</i> , <b>2008</b> , 28, 197-209		4
36	Patterns of streamwater acidity in Lye Brook Wilderness, Vermont, USA. <i>Environmental Management</i> , <b>2002</b> , 30, 234-48	3.1	4
35	Temporal changes in numbers of suspended bacteria in a small woodland stream. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , <b>1984</b> , 22, 1920-1925		4

34	Assessing the Ecological Significance of Throughfall in Forest Ecosystems. <i>Ecological Studies</i> , <b>2020</b> , 299-318	4
33	Nitrate uptake enhanced by availability of dissolved organic matter in tropical montane streams. <i>Freshwater Science</i> , <b>2021</b> , 40, 65-76	2 4
32	Predicting high-frequency variation in stream solute concentrations with water quality sensors and machine learning. <i>Hydrological Processes</i> , <b>2021</b> , 35,	3.3 4
31	Quantifying the frequency of synchronous carbon and nitrogen export to the river network. <i>Biogeochemistry</i> , <b>2021</b> , 152, 1-12	3.8 4
30	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2021GB006953	5.9 4
29	Light and flow regimes regulate the metabolism of rivers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5 4
28	Effects of Grazing Pattern on Ecosystem Respiration and Methane Flux in a Sown Pasture in Inner Mongolia, China. <i>Atmosphere</i> , <b>2019</b> , 10, 5	2.7 3
27	Chemistry of Urban, Suburban, and Rural Surface Waters. <i>Agronomy</i> , <b>2015</b> , 297-339	0.8 3
26	Export of dissolved carbon from watersheds of the Central Siberian Plateau. <i>Doklady Earth Sciences</i> , <b>2011</b> , 441, 1568-1571	0.6 3
25	Landslides, hurricanes, and sediment sourcing impact basin-scale erosion estimates in Luquillo, Puerto Rico. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 562, 116821	5.3 3
24	LINX I and II: Lessons Learned and Emerging Questions. <i>Frontiers in Environmental Science</i> , <b>2019</b> , 7,	4.8 3
23	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> , <b>2021</b> , 35,	3.3 3
22	Nutrient Export from Tropical Rain Forests <b>2002</b> , 149-163	3
21	The response of heterotrophic activity and carbon cycling to nitrogen additions and warming in two tropical soils. <i>Global Change Biology</i> , <b>2012</b> , 18, 400-400	11.4 2
20	Elevating the biogeosciences within environmental research networks	2
19	Percentile-Range Indexed Mapping and Evaluation (PRIME): A new tool for long-term data discovery and application. <i>Environmental Modelling and Software</i> , <b>2020</b> , 124, 104580	5.2 2
18	Nitrogen and phosphorus budgets for a tropical watershed impacted by agricultural land use: Guayas, Ecuador <b>2006</b> , 135-161	2
17	A general pattern of trade-offs between ecosystem resistance and resilience to tropical cyclones.. <i>Science Advances</i> , <b>2022</b> , 8, eabl9155	14.3 2

16	Calcium and magnesium biogeochemistry in spruce catchments underlain by felsic, mafic, and ultramafic rocks. <i>E3S Web of Conferences</i> , <b>2019</b> , 98, 06007	0.5	1
15	A Comparison of Wet Deposition Collectors at a Coastal Rural Site. <i>Water, Air, and Soil Pollution</i> , <b>2013</b> , 224, 1	2.6	1
14	Land Use Overrides Stream Order and Season in Driving Dissolved Organic Matter Dynamics Throughout the Year in a River Network.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	1
13	Climate Variability Drives Watersheds Along a Transporter-Transformer Continuum. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094050	4.9	1
12	Urban influences on the nitrogen cycle in Puerto Rico <b>2006</b> , 109-133		1
11	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> , <b>2022</b> , 28, 98-114	11.4	1
10	Understanding Dissolved Organic Matter Biogeochemistry Through In Situ Nutrient Manipulations in Stream Ecosystems. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	1
9	High-frequency multi-solute calibration using an in situ UV-visible sensor. <i>Hydrological Processes</i> , <b>2021</b> , 35, e14357	3.3	1
8	Extreme rainstorms drive exceptional organic carbon export from forested humid-tropical rivers in Puerto Rico.. <i>Nature Communications</i> , <b>2022</b> , 13, 2058	17.4	1
7	Hydrological Mapping in the Luquillo Experimental Forest: New Local Datum Improves Watershed Ecological Knowledge. <i>Hydrology</i> , <b>2021</b> , 8, 54	2.8	0
6	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> , <b>2021</b> , 264, 118694	5.3	0
5	Nutrient and major element chemistry of Caribbean rain forest streams. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , <b>1991</b> , 24, 1720-1723		
4	Influence of watershed suburbanization on leaf litter decomposition and microbial activity. <i>Hydrobiologia</i> ,1	2.4	
3	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico <b>1999</b> , 85-108		
2	High-Frequency Concurrent Measurements in Watershed and Impaired Estuary Reveal Coupled DOC and Decoupled Nitrate Dynamics. <i>Estuaries and Coasts</i> ,1	2.8	
1	An Introduction to Biogeochemistry of the Critical Zone <b>2022</b> , 1-7		