

Charles T Driscoll

List of Publications by Year in descending order

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420
papers

33,458
citations

4345

89
h-index

6512

162
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437
all docs

437
docs citations

437
times ranked

19223
citing authors

#	ARTICLE	IF	CITATIONS
1	Mercury as a Global Pollutant: Sources, Pathways, and Effects. <i>Environmental Science & Technology</i> , 2013, 47, 4967-4983.	4.6	1,729
2	Long-Term Effects of Acid Rain: Response and Recovery of a Forest Ecosystem. <i>Science</i> , 1996, 272, 244-246.	6.0	1,021
3	Acidic Deposition in the Northeastern United States: Sources and Inputs, Ecosystem Effects, and Management Strategies. <i>BioScience</i> , 2001, 51, 180.	2.2	868
4	Regional trends in aquatic recovery from acidification in North America and Europe. <i>Nature</i> , 1999, 401, 575-578.	13.7	809
5	Effect of aluminium speciation on fish in dilute acidified waters. <i>Nature</i> , 1980, 284, 161-164.	13.7	754
6	A Procedure for the Fractionation of Aqueous Aluminum in Dilute Acidic Waters. <i>International Journal of Environmental Analytical Chemistry</i> , 1984, 16, 267-283.	1.8	652
7	Acidification and alkalinization of soils. <i>Plant and Soil</i> , 1983, 75, 283-308.	1.8	612
8	Colder soils in a warmer world: A snow manipulation study in a northern hardwood forest ecosystem. <i>Biogeochemistry</i> , 2001, 56, 135-150.	1.7	501
9	Acidic deposition and internal proton sources in acidification of soils and waters. <i>Nature</i> , 1984, 307, 599-604.	13.7	494
10	Mercury Contamination in Forest and Freshwater Ecosystems in the Northeastern United States. <i>BioScience</i> , 2007, 57, 17-28.	2.2	459
11	The biogeochemistry of calcium at Hubbard Brook. <i>Biogeochemistry</i> , 1998, 41, 89-173.	1.7	438
12	Who needs environmental monitoring?. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 253-260.	1.9	403
13	â€˜Acid rainâ€™™, dissolved aluminum and chemical weathering at the Hubbard Brook Experimental Forest, New Hampshire. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 1421-1437.	1.6	392
14	Effects of nitrogen deposition and empirical nitrogen critical loads for ecoregions of the United States. , 2011, 21, 3049-3082.		373
15	Mycorrhizal weathering of apatite as an important calcium source in base-poor forest ecosystems. <i>Nature</i> , 2002, 417, 729-731.	13.7	349
16	Nitrogen Pollution in the Northeastern United States: Sources, Effects, and Management Options. <i>BioScience</i> , 2003, 53, 357.	2.2	335
17	Soil freezing alters fine root dynamics in a northern hardwood forest. <i>Biogeochemistry</i> , 2001, 56, 175-190.	1.7	327
18	The role of dissolved organic carbon in the chemistry and bioavailability of mercury in remote Adirondack lakes. <i>Water, Air, and Soil Pollution</i> , 1995, 80, 499-508.	1.1	298

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19	Climatic Control of Nitrate Loss from Forested Watersheds in the Northeast United States. <i>Environmental Science & Technology</i> , 1996, 30, 2609-2612.	4.6	295
20	Title is missing!. <i>Biogeochemistry</i> , 2001, 56, 215-238.	1.7	289
21	Chemical Response of Lakes in the Adirondack Region of New York to Declines in Acidic Deposition. <i>Environmental Science & Technology</i> , 2003, 37, 2036-2042.	4.6	289
22	Biological Mercury Hotspots in the Northeastern United States and Southeastern Canada. <i>BioScience</i> , 2007, 57, 29-43.	2.2	289
23	Modeling nitrogen saturation in forest ecosystems in response to land use and atmospheric deposition. <i>Ecological Modelling</i> , 1997, 101, 61-78.	1.2	262
24	Recovery of Mercury-Contaminated Fisheries. <i>Ambio</i> , 2007, 36, 33-44.	2.8	255
25	Title is missing!. <i>Biogeochemistry</i> , 2001, 56, 151-174.	1.7	248
26	The Biogeochemistry of Carbon at Hubbard Brook. <i>Biogeochemistry</i> , 2005, 75, 109-176.	1.7	246
27	Prediction of biological acid neutralization in acid-sensitive lakes. <i>Biogeochemistry</i> , 1987, 3, 129-140.	1.7	232
28	Effects of mild winter freezing on soil nitrogen and carbon dynamics in a northern hardwood forest. <i>Biogeochemistry</i> , 2001, 56, 191-213.	1.7	231
29	An evaluation of uncertainty associated with aluminum equilibrium calculations. <i>Water Resources Research</i> , 1987, 23, 525-534.	1.7	229
30	Speciation and Cycling of Mercury in Lavaca Bay, Texas, Sediments. <i>Environmental Science & Technology</i> , 1999, 33, 7-13.	4.6	226
31	Snow depth, soil freezing, and fluxes of carbon dioxide, nitrous oxide and methane in a northern hardwood forest. <i>Global Change Biology</i> , 2006, 12, 1748-1760.	4.2	225
32	The chemistry of aluminum in the environment. <i>Environmental Geochemistry and Health</i> , 1990, 12, 28-49.	1.8	217
33	RESPONSE OF SUGAR MAPLE TO CALCIUM ADDITION TO NORTHERN HARDWOOD FOREST. <i>Ecology</i> , 2006, 87, 1267-1280.	1.5	209
34	Calcium Inputs and Transport in A Base-Poor Forest Ecosystem as Interpreted by Sr Isotopes. <i>Water Resources Research</i> , 1996, 32, 707-719.	1.7	203
35	The zero point of charge of silica-alumina oxide suspensions. <i>Journal of Colloid and Interface Science</i> , 1984, 97, 55-61.	5.0	201
36	Aluminum Chemistry in a Forested Spodosol. <i>Soil Science Society of America Journal</i> , 1985, 49, 437-444.	1.2	200

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37	MERCURY CYCLING IN LITTER AND SOIL IN DIFFERENT FOREST TYPES IN THE ADIRONDACK REGION, NEW YORK, USA. , 2007, 17, 1341-1351.		195
38	Changes in the chemistry of surface waters. Environmental Science & Technology, 1989, 23, 137-143.	4.6	194
39	Effects of land use, climate variation, and N deposition on N cycling and C storage in northern hardwood forests. Global Biogeochemical Cycles, 1997, 11, 639-648.	1.9	192
40	The biogeochemistry of sulfur at Hubbard Brook. Biogeochemistry, 2002, 60, 235-316.	1.7	190
41	The effects of whole-tree clear-cutting on soil processes at the Hubbard Brook Experimental Forest, New Hampshire, USA. Plant and Soil, 1994, 158, 239-262.	1.8	185
42	Chemical characteristics of Adirondack lakes. Environmental Science & Technology, 1985, 19, 1018-1024.	4.6	183
43	SIMPLE PARTITIONING OF ANIONS AND DISSOLVED ORGANIC CARBON IN A FOREST SOIL. Soil Science, 1986, 142, 27-35.	0.9	181
44	Seasonal and long-term temporal patterns in the chemistry of Adirondack lakes. Water, Air, and Soil Pollution, 1993, 67, 319-344.	1.1	175
45	Element Fluxes and Landscape Position in a Northern Hardwood Forest Watershed Ecosystem. Ecosystems, 2000, 3, 159-184.	1.6	175
46	Aluminum speciation and equilibria in soil solutions of a Haplorthod in the Adirondack Mountains (New York, U.S.A.). Geoderma, 1984, 33, 297-318.	2.3	170
47	The biogeochemistry of potassium at Hubbard Brook. Biogeochemistry, 1994, 25, 61.	1.7	166
48	US power plant carbon standards and clean air and health co-benefits. Nature Climate Change, 2015, 5, 535-540.	8.1	160
49	Sedimentâ”Water Fluxes of Mercury in Lavaca Bay, Texas. Environmental Science & Technology, 1999, 33, 663-669.	4.6	155
50	Mercury in Freshwater Fish of Northeast North America ? A Geographic Perspective Based on Fish Tissue Monitoring Databases. Ecotoxicology, 2005, 14, 163-180.	1.1	153
51	Effects of Air Pollution on Ecosystems and Biological Diversity in the Eastern United States. Annals of the New York Academy of Sciences, 2009, 1162, 99-135.	1.8	151
52	Consequences of climate change for biogeochemical cycling in forests of northeastern North America This article is one of a selection of papers from NE Forests 2100: A Synthesis of Climate Change Impacts on Forests of the Northeastern US and Eastern Canada.. Canadian Journal of Forest Research, 2009, 39, 264-284.	0.8	148
53	In-stream uptake dampens effects of major forest disturbance on watershed nitrogen export. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10304-10308.	3.3	147
54	THE EFFECT OF pH ON SULFATE ADSORPTION BY A FOREST SOIL. Soil Science, 1986, 142, 69-75.	0.9	141

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55	Modeling the acid-base chemistry of organic solutes in Adirondack, New York, lakes. <i>Water Resources Research</i> , 1994, 30, 297-306.	1.7	139
56	Environmental control of fine root dynamics in a northern hardwood forest. <i>Global Change Biology</i> , 2003, 9, 670-679.	4.2	139
57	Experimental inducement of nitrogen saturation at the watershed scale. <i>Environmental Science & Technology</i> , 1993, 27, 565-568.	4.6	138
58	Decreased atmospheric nitrogen deposition in eastern North America: Predicted responses of forest ecosystems. <i>Environmental Pollution</i> , 2019, 244, 560-574.	3.7	133
59	Historical Trends of Mercury Deposition in Adirondack Lakes. <i>Environmental Science & Technology</i> , 1999, 33, 718-722.	4.6	131
60	Input-Output Budgets of Inorganic Nitrogen for 24 Forest Watersheds in the Northeastern United States: A Review. <i>Water, Air, and Soil Pollution</i> , 2004, 151, 373-396.	1.1	131
61	The chemistry and transport of mercury in a small wetland in the Adirondack region of New York, USA. <i>Biogeochemistry</i> , 1998, 40, 137-146.	1.7	130
62	Concentration and flux of solutes from snow and forest floor during snowmelt in the West-Central Adirondack region of New York. <i>Biogeochemistry</i> , 1987, 3, 209-224.	1.7	129
63	Empirical Critical Loads of Atmospheric Nitrogen Deposition for Nutrient Enrichment and Acidification of Sensitive US Lakes. <i>BioScience</i> , 2011, 61, 602-613.	2.2	128
64	Do Nutrient Limitation Patterns Shift from Nitrogen Toward Phosphorus with Increasing Nitrogen Deposition Across the Northeastern United States?. <i>Ecosystems</i> , 2012, 15, 940-957.	1.6	128
65	Spatial patterns of precipitation quantity and chemistry and air temperature in the Adirondack region of New York. <i>Atmospheric Environment</i> , 2002, 36, 1051-1062.	1.9	127
66	The role of organic acids in the acidification of surface waters in the Eastern U.S.. <i>Water, Air, and Soil Pollution</i> , 1989, 43, 21-40.	1.1	124
67	Factors regulating throughfall flux in a New Hampshire forested landscape. <i>Canadian Journal of Forest Research</i> , 1996, 26, 2134-2144.	0.8	124
68	Freezing Effects on Carbon and Nitrogen Cycling in Northern Hardwood Forest Soils. <i>Soil Science Society of America Journal</i> , 2001, 65, 1723-1730.	1.2	122
69	Snow depth, soil freezing and nitrogen cycling in a northern hardwood forest landscape. <i>Biogeochemistry</i> , 2011, 102, 223-238.	1.7	122
70	Long-term temporal trends and spatial patterns in the acid-base chemistry of lakes in the Adirondack region of New York in response to decreases in acidic deposition. <i>Atmospheric Environment</i> , 2016, 146, 5-14.	1.9	121
71	Climate Variation and Soil Carbon and Nitrogen Cycling Processes in a Northern Hardwood Forest. <i>Ecosystems</i> , 2009, 12, 927-943.	1.6	117
72	Long-Term Integrated Studies Show Complex and Surprising Effects of Climate Change in the Northern Hardwood Forest. <i>BioScience</i> , 2012, 62, 1056-1066.	2.2	117

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73	The biogeochemistry of chlorine at Hubbard Brook, New Hampshire, USA. <i>Biogeochemistry</i> , 2005, 72, 191-232.	1.7	115
74	POTENTIAL EFFECTS OF CLIMATE CHANGE ON FRESHWATER ECOSYSTEMS OF THE NEW ENGLAND/MID-ATLANTIC REGION. , 1997, 11, 925-947.		114
75	Aluminum in acidic surface waters: chemistry, transport, and effects.. <i>Environmental Health Perspectives</i> , 1985, 63, 93-104.	2.8	113
76	Sulfate Adsorption Relationships in Forested Spodosols of the Northeastern USA. <i>Soil Science Society of America Journal</i> , 1985, 49, 1034-1040.	1.2	110
77	Continuing Acidification of Organic Soils across the Northeastern USA: 1984â€“2001. <i>Soil Science Society of America Journal</i> , 2009, 73, 274-284.	1.2	108
78	Effects of soil freezing on fine roots in a northern hardwood forest. <i>Canadian Journal of Forest Research</i> , 2008, 38, 82-91.	0.8	106
79	Nitrogen Dynamics in Ice Storm-Damaged Forest Ecosystems: Implications for Nitrogen Limitation Theory. <i>Ecosystems</i> , 2003, 6, 431-443.	1.6	105
80	Mercury dynamics in relation to dissolved organic carbon concentration and quality during high flow events in three northeastern U.S. streams. <i>Water Resources Research</i> , 2010, 46, .	1.7	105
81	An evaluation of the equilibrium calculations within acidification models: The effect of uncertainty in measured chemical components. <i>Water Resources Research</i> , 1988, 24, 533-540.	1.7	104
82	Restoring Soil Calcium Reverses Forest Decline. <i>Environmental Science and Technology Letters</i> , 2014, 1, 15-19.	3.9	103
83	Wetland influence on mercury fate and transport in a temperate forested watershed. <i>Environmental Pollution</i> , 2008, 154, 46-55.	3.7	100
84	Evaluation of an integrated biogeochemical model (PnET-BGC) at a northern hardwood forest ecosystem. <i>Water Resources Research</i> , 2001, 37, 1057-1070.	1.7	99
85	Deconstruction of Historic Mercury Accumulation in Lake Sediments, Northeastern United States. <i>Ecotoxicology</i> , 2005, 14, 85-99.	1.1	98
86	Seasonality in phosphorus release rates from the sediments of a hypereutrophic lake under a matrix of pH and redox conditions. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 1033-1041.	0.7	96
87	Soluble Aluminum Silicates: Stoichiometry, Stability, and Implications for Environmental Geochemistry. <i>Science</i> , 1992, 256, 1667-1670.	6.0	95
88	Peer Reviewed: Have U.S. Surface Waters Responded to the 1990 Clean Air Act Amendments?. <i>Environmental Science & Technology</i> , 2004, 38, 484A-490A.	4.6	95
89	Streamflow responses to past and projected future changes in climate at the Hubbard Brook Experimental Forest, New Hampshire, United States. <i>Water Resources Research</i> , 2011, 47, .	1.7	95
90	Physical, chemical, and biological consequences of episodic aluminum additions to a stream1. <i>Limnology and Oceanography</i> , 1985, 30, 212-220.	1.6	93

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91	Longitudinal and temporal trends in the water chemistry of the North Branch of the Moose River. <i>Biogeochemistry</i> , 1987, 3, 37-61.	1.7	93
92	Mercury dynamics of a northern hardwood canopy. <i>Atmospheric Environment</i> , 2008, 42, 6905-6914.	1.9	91
93	Air pollution success stories in the United States: The value of long-term observations. <i>Environmental Science and Policy</i> , 2018, 84, 69-73.	2.4	91
94	Partitioning Light Attenuation in an Acidic Lake. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985, 42, 1707-1711.	0.7	90
95	Effect of Whole-Tree Harvesting on the Sulfur Dynamics of a Forest Soil. <i>Soil Science Society of America Journal</i> , 1989, 53, 933-940.	1.2	90
96	A Critical Time for Mercury Science to Inform Global Policy. <i>Environmental Science & Technology</i> , 2018, 52, 9556-9561.	4.6	90
97	Influence of aqueous aluminium and organic acids on measurement of acid neutralizing capacity in surface waters. <i>Nature</i> , 1989, 338, 408-410.	13.7	89
98	Long-term trends in the chemistry of precipitation and lake water in the Adirondack Region of New York, USA. <i>Water, Air, and Soil Pollution</i> , 1995, 85, 583-588.	1.1	89
99	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1998, 105, 319-329.	1.1	89
100	Winter climate change affects growing-season soil microbial biomass and activity in northern hardwood forests. <i>Global Change Biology</i> , 2014, 20, 3568-3577.	4.2	87
101	The experimental watershed liming study: Comparison of lake and watershed neutralization strategies. <i>Biogeochemistry</i> , 1996, 32, 143-174.	1.7	86
102	Sources of nitrogen to estuaries in the United States. <i>Estuaries and Coasts</i> , 2003, 26, 803-814.	1.7	86
103	Hydrogeologic controls of surface-water chemistry in the Adirondack region of New York State. <i>Biogeochemistry</i> , 1987, 3, 163-180.	1.7	85
104	Soil processes and sulfate loss at the Hubbard Brook Experimental Forest. <i>Biogeochemistry</i> , 1988, 5, 185-199.	1.7	85
105	Spatial and temporal patterns of mercury accumulation in lacustrine sediments across the Laurentian Great Lakes region. <i>Environmental Pollution</i> , 2012, 161, 252-260.	3.7	85
106	Organic matter chemistry and dynamics in clear-cut and unmanaged hardwood forest ecosystems. <i>Biogeochemistry</i> , 2001, 54, 51-83.	1.7	84
107	Longitudinal Variations in Trace Metal Concentrations in a Northern Forested Ecosystem. <i>Journal of Environmental Quality</i> , 1988, 17, 101-107.	1.0	83
108	Monitoring the Response to Changing Mercury Deposition. <i>Environmental Science & Technology</i> , 2005, 39, 14A-22A.	4.6	83

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109	DYNAMICS OF NITROGEN AND DISSOLVED ORGANIC CARBON AT THE HUBBARD BROOK EXPERIMENTAL FOREST. <i>Ecology</i> , 2007, 88, 1153-1166.	1.5	83
110	Aluminum toxicity in forests exposed to acidic deposition: The ALBIOS results. <i>Water, Air, and Soil Pollution</i> , 1989, 48, 181.	1.1	82
111	Ultraviolet absorbance as a proxy for total dissolved mercury in streams. <i>Environmental Pollution</i> , 2009, 157, 1953-1956.	3.7	82
112	Aluminum Precipitation and Dissolution Rates in Spodosol Bs Horizons in the Northeastern USA. <i>Soil Science Society of America Journal</i> , 1989, 53, 1045-1052.	1.2	80
113	Deposition of Mercury in Forests along a Montane Elevation Gradient. <i>Environmental Science & Technology</i> , 2015, 49, 5363-5370.	4.6	80
114	Nitrogen oligotrophication in northern hardwood forests. <i>Biogeochemistry</i> , 2018, 141, 523-539.	1.7	80
115	Title is missing!. <i>Biogeochemistry</i> , 1997, 37, 173-202.	1.7	78
116	Nutrient supply and mercury dynamics in marine ecosystems: A conceptual model. <i>Environmental Research</i> , 2012, 119, 118-131.	3.7	78
117	Spatial relationships of aluminum chemistry in the streams of the Hubbard Brook Experimental Forest, New Hampshire. <i>Biogeochemistry</i> , 1986, 2, 115-135.	1.7	77
118	The episodic acidification of Adirondack Lakes during snowmelt. <i>Water Resources Research</i> , 1990, 26, 1639-1647.	1.7	77
119	Calcium Additions and Microbial Nitrogen Cycle Processes in a Northern Hardwood Forest. <i>Ecosystems</i> , 2006, 9, 1289-1305.	1.6	77
120	Response of surface water chemistry to reduced levels of acid precipitation: comparison of trends in two regions of New York, USA. <i>Hydrological Processes</i> , 2006, 20, 1611-1627.	1.1	77
121	Importance of hydrogen ions and aluminium in regulating the structure and function of stream ecosystems: an experimental test. <i>Freshwater Biology</i> , 1987, 18, 17-43.	1.2	76
122	From Missing Source to Missing Sink: Long-Term Changes in the Nitrogen Budget of a Northern Hardwood Forest. <i>Environmental Science & Technology</i> , 2013, 47, 11440-11448.	4.6	76
123	Dissolution of wollastonite during the experimental manipulation of Hubbard Brook Watershed 1. <i>Biogeochemistry</i> , 2004, 67, 309-329.	1.7	75
124	Fish species distribution in relation to water quality gradients in the North Branch of the Moose River Basin. <i>Biogeochemistry</i> , 1987, 3, 63-85.	1.7	74
125	Short-term changes in the base neutralizing capacity of an acid Adirondack lake, New York. <i>Nature</i> , 1984, 310, 308-310.	13.7	73
126	Beaver pond biogeochemistry: Acid neutralizing capacity generation in a headwater wetland. <i>Wetlands</i> , 1993, 13, 277-292.	0.7	73

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127	Biogeochemistry of a forested watershed in the central Adirondack Mountains: Temporal changes and mass balances. <i>Water, Air, and Soil Pollution</i> , 1996, 88, 355-369.	1.1	73
128	Evidence for Regulation of Monomethyl Mercury by Nitrate in a Seasonally Stratified, Eutrophic Lake. <i>Environmental Science & Technology</i> , 2009, 43, 6572-6578.	4.6	73
129	Effects of acidic deposition on the chemistry of headwater streams: A comparison between Hubbard Brook, New Hampshire, and Jamieson Creek, British Columbia. <i>Water Resources Research</i> , 1988, 24, 195-200.	1.7	72
130	pH-dependent binding of aluminum by a fulvic acid. <i>Environmental Science & Technology</i> , 1993, 27, 915-922.	4.6	72
131	Changes in the chemistry of lakes in the Adirondack region of New York following declines in acidic deposition. <i>Applied Geochemistry</i> , 2007, 22, 1181-1188.	1.4	71
132	Changing climate alters inputs and pathways of mercury deposition to forested ecosystems. <i>Biogeochemistry</i> , 2014, 119, 215-228.	1.7	69
133	Whole-lake nitrate addition for control of methylmercury in mercury-contaminated Onondaga Lake, NY. <i>Environmental Research</i> , 2013, 125, 52-60.	3.7	68
134	Importance of Integration and Implementation of Emerging and Future Mercury Research into the Minamata Convention. <i>Environmental Science & Technology</i> , 2016, 50, 2767-2770.	4.6	68
135	Lead cycling in an acidic Adirondack lake. <i>Environmental Science & Technology</i> , 1985, 19, 1182-1187.	4.6	67
136	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. <i>Ecosphere</i> , 2016, 7, e01251.	1.0	67
137	Amazon forests capture high levels of atmospheric mercury pollution from artisanal gold mining. <i>Nature Communications</i> , 2022, 13, 559.	5.8	67
138	MercNet: a national monitoring network to assess responses to changing mercury emissions in the United States. <i>Ecotoxicology</i> , 2011, 20, 1713-1725.	1.1	65
139	Root stress and nitrogen deposition: consequences and research priorities. <i>New Phytologist</i> , 2013, 197, 712-719.	3.5	65
140	Chemistry and Fate of Al(III) in Treated Drinking Water. <i>Journal of Environmental Engineering, ASCE</i> , 1988, 114, 21-37.	0.7	64
141	Role of Soil Freezing Events in Interannual Patterns of Stream Chemistry at the Hubbard Brook Experimental Forest, New Hampshire. <i>Environmental Science & Technology</i> , 2003, 37, 1575-1580.	4.6	64
142	Long-term trends in soil solution and stream water chemistry at the Hubbard Brook Experimental Forest: relationship with landscape position. <i>Biogeochemistry</i> , 2004, 68, 51-70.	1.7	64
143	Stable sulfur isotope ratios as a tool for interpreting ecosystem sulfur dynamics. <i>Water, Air, and Soil Pollution</i> , 1986, 28, 163-171.	1.1	64
144	Differential sensitivity to climate change of C and N cycling processes across soil horizons in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2017, 107, 77-84.	4.2	63

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145	Hydrologic control of aluminum chemistry in an acidic headwater stream. <i>Water Resources Research</i> , 1988, 24, 659-669.	1.7	62
146	Distribution Patterns of Mercury in Lakes and Rivers of Northeastern North America. <i>Ecotoxicology</i> , 2005, 14, 113-123.	1.1	62
147	A shift in sulfur-cycle manipulation from atmospheric emissions to agricultural additions. <i>Nature Geoscience</i> , 2020, 13, 597-604.	5.4	62
148	Factors influencing changes in mercury concentrations in lake water and yellow perch (<i>Perca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.7	61
149	Comparison between Pyrocatechol Violet and 8-Hydroxyquinoline Procedures for Determining Aluminum Fractions. <i>Soil Science Society of America Journal</i> , 1992, 56, 449-455.	1.2	60
150	ASSESSMENT OF MERCURY IN WATERS, SEDIMENTS, AND BIOTA OF NEW HAMPSHIRE AND VERMONT LAKES, USA, SAMPLED USING A GEOGRAPHICALLY RANDOMIZED DESIGN. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1172.	2.2	60
151	Incorporation of ^{35}S -sulfate Into Inorganic and Organic Constituents of Two Forest Soils. <i>Soil Science Society of America Journal</i> , 1986, 50, 457-462.	1.2	59
152	Factors regulating residual aluminium concentrations in treated waters. <i>Environmetrics</i> , 1995, 6, 287-305.	0.6	59
153	Long-term recovery of lakes in the Adirondack region of New York to decreases in acidic deposition. <i>Atmospheric Environment</i> , 2012, 46, 56-64.	1.9	59
154	Soil mercury and its response to atmospheric mercury deposition across the northeastern United States. <i>Ecological Applications</i> , 2014, 24, 812-822.	1.8	59
155	Release of Aluminum following Whole-Tree Harvesting at the Hubbard Brook Experimental Forest, New Hampshire. <i>Journal of Environmental Quality</i> , 1987, 16, 383-390.	1.0	58
156	Processes regulating temporal and longitudinal variations in the chemistry of a low-order woodland stream in the Adirondack region of New York. <i>Biogeochemistry</i> , 1987, 3, 225-241.	1.7	57
157	Patterns of nitrate loss from a chronosequence of clear-cut watersheds. <i>Water, Air, and Soil Pollution</i> , 1995, 85, 1659-1664.	1.1	57
158	Chemical Recovery of Surface Waters Across the Northeastern United States from Reduced Inputs of Acidic Deposition: 1984~2001. <i>Environmental Science & Technology</i> , 2005, 39, 6548-6554.	4.6	57
159	Acid-base Characteristics of Soils in the Adirondack Mountains, New York. <i>Soil Science Society of America Journal</i> , 2006, 70, 141-152.	1.2	57
160	Mercury Contamination in Riverine Sediments and Fish Associated with Artisanal and Small-Scale Gold Mining in Madre de Dios, Peru. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1584.	1.2	57
161	A field experiment to test whether organic acids buffer acid deposition. <i>Nature</i> , 1990, 345, 798-800.	13.7	56
162	Water quantity and quality response of a green roof to storm events: Experimental and monitoring observations. <i>Environmental Pollution</i> , 2016, 218, 664-672.	3.7	56

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163	Aluminum Speciation Using Morin: I. Morin and Its Complexes with Aluminum. Journal of Environmental Quality, 1990, 19, 65-72.	1.0	55
164	Processes regulating sulphate flux after whole-tree harvesting. Nature, 1987, 325, 707-710.	13.7	54
165	Modification of stream ecosystem structure and function by beaver (<i>Castor canadensis</i>) in the Adirondack Mountains, New York. Canadian Journal of Zoology, 1991, 69, 55-61.	0.4	54
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