Charles T Driscoll

List of Publications by Year
in descending order

420 papers	33,458 citations	4345 89 h-index	6512 162 g-index
437 all docs	437 docs citations	437 times ranked	19223 citing authors

#	Article	IF	Citations
1	Dry deposition of sulfur: a 23-year record for the Hubbard Brook Forest ecosystem. Tellus, Series B: Chemical and Physical Meteorology, 2022, 42, 319.	0.8	47
2	Contrasting Impacts of Photochemical and Microbial Processing on the Photoreactivity of Dissolved Organic Matter in an Adirondack Lake Watershed. Environmental Science & Technology, 2022, 56, 1688-1701.	4.6	14
3	Amazon forests capture high levels of atmospheric mercury pollution from artisanal gold mining. Nature Communications, 2022, 13, 559.	5.8	67
4	Mercury in soils of the conterminous United States: patterns and pools. Environmental Research Letters, 2022, 17, 074030.	2.2	7
5	Increased carbon capture by a silicate-treated forested watershed affected by acid deposition. Biogeosciences, 2021, 18, 169-188.	1.3	35
6	Measurement of the Vertical Distribution of Gaseous Elemental Mercury Concentration in Soil Pore Air of Subtropical and Temperate Forests. Environmental Science & Technology, 2021, 55, 2132-2142.	4.6	11
7	Reductions in the deposition of sulfur and selenium to agricultural soils pose risk of future nutrient deficiencies. Communications Earth & Environment, 2021, 2, .	2.6	35
8	Dissolved Organic Matter Dynamics in Reference and Calcium Silicateâ€Treated Watersheds at Hubbard Brook Experimental Forest, NH, USA. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006352.	1.3	3
9	Temporal trends in fish mercury concentrations in an Adirondack Lake managed with a continual predator removal program. Ecotoxicology, 2020, 29, 1762-1773.	1.1	6
10	Greater Contribution From Agricultural Sources to Future Reactive Nitrogen Deposition in the United States. Earth's Future, 2020, 8, e2019EF001453.	2.4	3
11	A shift in sulfur-cycle manipulation from atmospheric emissions to agricultural additions. Nature Geoscience, 2020, 13, 597-604.	5.4	62
12	Photochemical Characterization of Surface Waters from Lakes in the Adirondack Region of New York. Environmental Science & Technology, 2020, 54, 10654-10667.	4.6	38
13	Landscape Influence on the Browning of a Lake Watershed in the Adirondack Region of New York, USA. Soil Systems, 2020, 4, 50.	1.0	8
14	Mercury Emissions, Atmospheric Concentrations, and Wet Deposition across the Conterminous United States: Changes over 20 Years of Monitoring. Environmental Science and Technology Letters, 2020, 7, 376-381.	3.9	20
15	Watershed influences on mercury in tributaries to Lake Ontario. Ecotoxicology, 2020, 29, 1614-1626.	1.1	8
16	Effects of Brownfield Remediation on Total Gaseous Mercury Concentrations in an Urban Landscape. Sensors, 2020, 20, 387.	2.1	2
17	Experimental approach and initial forest response to a simulated ice storm experiment in a northern hardwood forest. PLoS ONE, 2020, 15, e0239619.	1.1	8
18	Soilâ€"atmosphere exchange flux of total gaseous mercury (TGM) at subtropical and temperate forest catchments. Atmospheric Chemistry and Physics, 2020, 20, 16117-16133.	1.9	9

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19	Dimethylmercury in Floodwaters of Mercury Contaminated Rice Paddies. Environmental Science & Technology, 2019, 53, 9453-9461.	4.6	18
20	Climate change may alter mercury fluxes in northern hardwood forests. Biogeochemistry, 2019, 146, 1-16.	1.7	18
21	Probabilistic relations between acidâ€"base chemistry and fish assemblages in streams of the western Adirondack Mountains, New York, USA. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 2013-2026.	0.7	6
22	Projections of water, carbon, and nitrogen dynamics under future climate change in an old-growth Douglas-fir forest in the western Cascade Range using a biogeochemical model. Science of the Total Environment, 2019, 656, 608-624.	3.9	20
23	The Affordable Clean Energy rule and the impact of emissions rebound on carbon dioxide and criteria air pollutant emissions. Environmental Research Letters, 2019, 14, 044018.	2.2	15
24	Primary effects of changes in meteorology vs. anthropogenic emissions on mercury wet deposition: A modeling study. Atmospheric Environment, 2019, 198, 215-225.	1.9	11
25	Ecological Effects of Acidic Deposition. , 2019, , 315-324.		0
26	Decreased atmospheric nitrogen deposition in eastern North America: Predicted responses of forest ecosystems. Environmental Pollution, 2019, 244, 560-574.	3.7	133
27	Projections of water, carbon, and nitrogen dynamics under future climate change in an alpine tundra ecosystem in the southern Rocky Mountains using a biogeochemical model. Science of the Total Environment, 2019, 650, 1451-1464.	3.9	13
28	Integrating mercury research and policy in a changing world. Ambio, 2018, 47, 111-115.	2.8	25
29	Evaluation of CMAQ Coupled With a Stateâ€ofâ€theâ€Art Mercury Chemical Mechanism (CMAQâ€newHgâ€Br). Journal of Advances in Modeling Earth Systems, 2018, 10, 668-690.	1.3	23
30	Response of mercury in an Adirondack (NY, USA) forest stream to watershed lime application. Environmental Sciences: Processes and Impacts, 2018, 20, 607-620.	1.7	6
31	Water quality function of an extensive vegetated roof. Science of the Total Environment, 2018, 625, 928-939.	3.9	39
32	Air pollution success stories in the United States: The value of long-term observations. Environmental Science and Policy, 2018, 84, 69-73.	2.4	91
33	Nitrogen oligotrophication in northern hardwood forests. Biogeochemistry, 2018, 141, 523-539.	1.7	80
34	Give and Take: A Watershed Acid Rain Mitigation Experiment Increases Baseflow Nitrogen Retention but Increases Stormflow Nitrogen Export. Environmental Science & Technology, 2018, 52, 13155-13165.	4.6	16
35	Longâ€term and seasonal hydrologic performance of an extensive green roof. Hydrological Processes, 2018, 32, 2471-2482.	1.1	32
36	Mercury Contamination in Riverine Sediments and Fish Associated with Artisanal and Small-Scale Gold Mining in Madre de Dios, Peru. International Journal of Environmental Research and Public Health, 2018, 15, 1584.	1.2	57

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37	A Critical Time for Mercury Science to Inform Global Policy. Environmental Science & Technology, 2018, 52, 9556-9561.	4.6	90
38	The application of an integrated biogeochemical model to simulate dynamics of vegetation, hydrology and nutrients in soil and streamwater following a whole-tree harvest of a northern hardwood forest. Science of the Total Environment, 2018, 645, 244-256.	3.9	18
39	Concentrations and content of mercury in bark, wood, and leaves in hardwoods and conifers in four forested sites in the northeastern USA. PLoS ONE, 2018, 13, e0196293.	1.1	22
40	Mechanism of Accumulation of Methylmercury in Rice (<i>Oryza sativa</i> L.) in a Mercury Mining Area. Environmental Science & Technology, 2018, 52, 9749-9757.	4.6	36
41	Differential sensitivity to climate change of C and N cycling processes across soil horizons in a northern hardwood forest. Soil Biology and Biochemistry, 2017, 107, 77-84.	4.2	63
42	Measuring mercury in wood: challenging but important. International Journal of Environmental Analytical Chemistry, 2017, 97, 456-467.	1.8	22
43	Pairing paleolimnological inference models with mechanistic water column models enhances assessment of lake water quality. Journal of Paleolimnology, 2017, 58, 119-133.	0.8	0
44	Aluminum is more tightly bound in soil after wollastonite treatment to a forest watershed. Forest Ecology and Management, 2017, 397, 57-66.	1.4	4
45	Impacts of Acidification and Potential Recovery on the Expected Value of Recreational Fisheries in Adirondack Lakes (USA). Environmental Science & Technology, 2017, 51, 742-750.	4.6	14
46	Acid rain recovery may help to mitigate the impacts of climate change on thermally sensitive fish in lakes across eastern North America. Global Change Biology, 2017, 23, 2149-2153.	4.2	22
47	Meteorological effects on Hg wet deposition in a forested site in the Adirondack region of New York during 2000â€“2015. Atmospheric Environment, 2017, 168, 90-100.	1.9	28
48	Hydrologic processes that govern stormwater infrastructure behaviour. Hydrological Processes, 2017, 31, 4492-4506.	1.1	34
49	Deposition of mercury in forests across a montane elevation gradient: Elevational and seasonal patterns in methylmercury inputs and production. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1922-1939.	1.3	30
50	The near-term prediction of drought and flooding conditions in the northeastern United States based on extreme phases of AMO and NAO. Journal of Hydrology, 2017, 553, 130-141.	2.3	20
51	Sensitivity and uncertainty analysis of PnET-BGC to inform the development of Total Maximum Daily Loads (TMDLs) of acidity in theÂGreat Smoky Mountains National Park. Environmental Modelling and Software, 2017, 95, 156-167.	1.9	14
52	Modeled ecohydrological responses to climate change at seven small watersheds in the northeastern United States. Global Change Biology, 2017, 23, 840-856.	4.2	30
53	Importance of within-lake processes in affecting the dynamics of dissolved organic carbon and dissolved organic and inorganic nitrogen in an Adirondack forested lake/watershed. Biogeosciences, 2016, 13, 2787-2801.	1.3	11
54	Patterns of nutrient dynamics in Adirondack lakes recovering from acid deposition. Ecological Applications, 2016, 26, 1758-1770.	1.8	21

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55	Long-term responses in soil solution and stream-water chemistry at Hubbard Brook after experimental addition of wollastonite. Environmental Chemistry, 2016, 13, 528.	0.7	21
56	Estimating potential productivity cobenefits for crops and trees from reduced ozone with U.S. coal power plant carbon standards. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,679.	1.2	7
57	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. Atmospheric Environment, 2016, 146, 5-14.	1.9	121
58	Response of fish assemblages to declining acidic deposition in Adirondack Mountain lakes, 1984â€“2012. Atmospheric Environment, 2016, 146, 223-235.	1.9	22
59	Is Mercury in a Remote Forested Watershed of the Adirondack Mountains Responding to Recent Decreases in Emissions?. Environmental Science & Technology, 2016, 50, 10943-10950.	4.6	28
60	The effects of climate downscaling technique and observational data set on modeled ecological responses. Ecological Applications, 2016, 26, 1321-1337.	1.8	39
61	Hydrologic flowpaths during snowmelt in forested headwater catchments under differing winter climatic and soil frost regimes. Hydrological Processes, 2016, 30, 4617-4632.	1.1	21
62	Water quantity and quality response of a green roof to storm events: Experimental and monitoring observations. Environmental Pollution, 2016, 218, 664-672.	3.7	56
63	Foliage/atmosphere exchange of mercury in a subtropical coniferous forest in south China. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2006-2016.	1.3	32
64	Nitrate and dissolved organic carbon mobilization in response to soil freezing variability. Biogeochemistry, 2016, 131, 35-47.	1.7	33
65	Critical loads and exceedances for nitrogen and sulfur atmospheric deposition in <scp>G</scp>reat <scp>S</scp>moky <scp>M</scp>ountains <scp>N</scp>ational <scp>P</scp>ark, <scp>U</scp>nited <scp>S</scp>tates. Ecosphere, 2016, 7, e01466.	1.0	37
66	Adirondack (NY, USA) reference lakes show a pronounced shift in chrysophyte species composition since ca. 1900. Journal of Paleolimnology, 2016, 56, 349-364.	0.8	14
67	Acid rain mitigation experiment shifts a forested watershed from a net sink to a net source of nitrogen. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7580-7583.	3.3	46
68	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. Ecosphere, 2016, 7, e01251.	1.0	67
69	What works in water supply and sanitation projects in developing countries with EWB-USA. Reviews on Environmental Health, 2016, 31, 85-87.	1.1	3
70	Effects of nitrogen deposition on nitrogen acquisition by<i>Sarracenia purpurea</i>in the Adirondack Mountains, New York, USA1. Journal of the Torrey Botanical Society, 2016, 143, 8-20.	0.1	2
71	Fine root biomass declined in response to restoration of soil calcium in a northern hardwood forest. Canadian Journal of Forest Research, 2016, 46, 738-744.	0.8	20
72	Connecting mercury science to policy: from sources to seafood. Reviews on Environmental Health, 2016, 31, 17-20.	1.1	19

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73	Changing climate increases discharge and attenuates its seasonal distribution in the northeastern United States. Journal of Hydrology: Regional Studies, 2016, 5, 164-178.	1.0	10
74	Benefits of Regulating Hazardous Air Pollutants from Coal and Oil-Fired Utilities in the United States. Environmental Science & Technology, 2016, 50, 2117-2120.	4.6	35
75	Importance of Integration and Implementation of Emerging and Future Mercury Research into the Minamata Convention. Environmental Science & Technology, 2016, 50, 2767-2770.	4.6	68
76	An Analysis of Costs and Health Co-Benefits for a U.S. Power Plant Carbon Standard. PLoS ONE, 2016, 11, e0156308.	1.1	17
77	Interactive effects of climate change with nutrients, mercury, and freshwater acidification on key taxa in the North Atlantic Landscape Conservation Cooperative region. Integrated Environmental Assessment and Management, 2015, 11, 355-369.	1.6	11
78	Recovery from chronic and snowmelt acidification: Longâ€term trends in stream and soil water chemistry at the Hubbard Brook Experimental Forest, New Hampshire, USA. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2360-2374.	1.3	38
79	Developing Critical Loads of Nitrate and Sulfate Deposition to Watersheds of the Great Smoky Mountains National Park, USA. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	13
80	Responses of 20 lake-watersheds in the Adirondack region of New York to historical and potential future acidic deposition. Science of the Total Environment, 2015, 511, 186-194.	3.9	13
81	Proton and Aluminum Binding Properties of Organic Acids in Surface Waters of the Northeastern U.S.. Environmental Science & Technology, 2015, 49, 2939-2947.	4.6	47
82	Using foliar and forest floor mercury concentrations to assess spatial patterns of mercury deposition. Environmental Pollution, 2015, 202, 126-134.	3.7	41
83	The promise and peril of intensiveâ€siteâ€based ecological research: insights from the Hubbard Brook ecosystem study. Ecology, 2015, 96, 885-901.	1.5	19
84	Factors influencing critical and target loads for the acidification of lakeâ€"watersheds in the Adirondack region of New York. Biogeochemistry, 2015, 124, 353-369.	1.7	6
85	US power plant carbon standards and clean air and health co-benefits. Nature Climate Change, 2015, 5, 535-540.	8.1	160
86	Deposition of Mercury in Forests along a Montane Elevation Gradient. Environmental Science & Technology, 2015, 49, 5363-5370.	4.6	80
87	Zooplankton Community Changes Confound the Biodilution Theory of Methylmercury Accumulation in a Recovering Mercury-Contaminated Lake. Environmental Science & Technology, 2015, 49, 4066-4071.	4.6	24
88	Soil Chemical Dynamics after Calcium Silicate Addition to a Northern Hardwood Forest. Soil Science Society of America Journal, 2014, 78, 1458-1468.	1.2	40
89	Development of a total maximum daily load (TMDL) for acid-impaired lakes in the Adirondack region of New York. Atmospheric Environment, 2014, 95, 277-287.	1.9	38
90	Soil mercury and its response to atmospheric mercury deposition across the northeastern United States. Ecological Applications, 2014, 24, 812-822.	1.8	59

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91	Mobilization and Toxicity Potential of Aluminum from Alum Floc Deposits in Kensico Reservoir, New York. Journal of the American Water Resources Association, 2014, 50, 143-152.	1.0	3
92	Simulating effects of changing climate and <scp><scp>CO₂</scp></scp> emissions on soil carbon pools at the Hubbard Brook experimental forest. Global Change Biology, 2014, 20, 1643-1656.	4.2	20
93	Avian, salamander, and forest floor mercury concentrations increase with elevation in a terrestrial ecosystem. Environmental Toxicology and Chemistry, 2014, 33, 208-215.	2.2	33
94	Changes in the long-term supply of mercury species to the upper mixed waters of a recovering lake. Environmental Pollution, 2014, 185, 314-321.	3.7	11
95	Changing climate alters inputs and pathways of mercury deposition to forested ecosystems. Biogeochemistry, 2014, 119, 215-228.	1.7	69
96	Winter climate change affects growingâ€season soil microbial biomass and activity in northern hardwood forests. Global Change Biology, 2014, 20, 3568-3577.	4.2	87
97	The Impact of Mercury Exposure on the Common Loon (<i>Gavia immer</i>) Population in the Adirondack Park, New York, USA. Waterbirds, 2014, 37, 133-146.	0.2	17
98	Wildlife Criterion Value for the Common Loon (<i>Gavia immer</i>) in the Adirondack Park, New York, USA. Waterbirds, 2014, 37, 76-84.	0.2	5
99	A Fluvial Mercury Budget for Lake Ontario. Environmental Science & Technology, 2014, 48, 6107-6114.	4.6	7
100	Restoring Soil Calcium Reverses Forest Decline. Environmental Science and Technology Letters, 2014, 1, 15-19.	3.9	103
101	Evaluating the efficiency of environmental monitoring programs. Ecological Indicators, 2014, 39, 94-101.	2.6	47
102	Water Budget Triangle: A New Conceptual Framework for Comparison of Green and Gray Infrastructure. , 2014, , .		3
103	Red-backed salamander (Plethodon cinereus) as a bioindicator of mercury in terrestrial forests of the northeastern United States. Ecological Indicators, 2013, 34, 168-171.	2.6	16
104	Whole-lake nitrate addition for control of methylmercury in mercury-contaminated Onondaga Lake, NY. Environmental Research, 2013, 125, 52-60.	3.7	68
105	Interactive Effects of Air Pollution and Climate Change on Forest Ecosystems in the United States. Developments in Environmental Science, 2013, 13, 333-369.	0.5	13
106	Root stress and nitrogen deposition: consequences and research priorities. New Phytologist, 2013, 197, 712-719.	3.5	65
107	Mercury as a Global Pollutant: Sources, Pathways, and Effects. Environmental Science & Technology, 2013, 47, 4967-4983.	4.6	1,729
108	Mercury concentrations in tropical resident and migrant songbirds on Hispaniola. Ecotoxicology, 2013, 22, 86-93.	1.1	30

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109	From Missing Source to Missing Sink: Long-Term Changes in the Nitrogen Budget of a Northern Hardwood Forest. Environmental Science & Technology, 2013, 47, 11440-11448.	4.6	76
110	Lake/watershed sulfur budgets and their response to decreases in atmospheric sulfur deposition: watershed and climate controls. Hydrological Processes, 2013, 27, 710-720.	1.1	32
111	Evaluation of zebra mussels (<i>Dreissena polymorpha</i>) as biomonitors of mercury contamination in aquatic ecosystems. Environmental Toxicology and Chemistry, 2013, 32, 638-643.	2.2	6
112	Reply to Smith and Shortle: Lacking evidence of hydraulic efficiency changes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3740-E3740.	3.3	0
113	Decreased water flowing from a forest amended with calcium silicate. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5999-6003.	3.3	42
114	Legacy mercury and stoichiometry with C, N, and S in soil, pore water, and stream water across the uplandâ€wetland interface: The influence of hydrogeologic setting. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 825-841.	1.3	40
115	Modeling and Mapping of Atmospheric Mercury Deposition in Adirondack Park, New York. PLoS ONE, 2013, 8, e59322.	1.1	21
116	Foliar Nitrogen Responses to the Environmental Gradient Matrix of the Adirondack Park, New York. Annals of the American Association of Geographers, 2012, 102, 1-16.	3.0	24
117	Local-Scale Carbon Budgets and Mitigation Opportunities for the Northeastern United States. BioScience, 2012, 62, 23-38.	2.2	14
118	Science and Society: The Role of Long-Term Studies in Environmental Stewardship. BioScience, 2012, 62, 354-366.	2.2	42
119	Do Nutrient Limitation Patterns Shift from Nitrogen Toward Phosphorus with Increasing Nitrogen Deposition Across the Northeastern United States?. Ecosystems, 2012, 15, 940-957.	1.6	128
120	Long-Term Integrated Studies Show Complex and Surprising Effects of Climate Change in the Northern Hardwood Forest. BioScience, 2012, 62, 1056-1066.	2.2	117
121	Target loads of atmospheric sulfur and nitrogen deposition for protection of acid sensitive aquatic resources in the Adirondack Mountains, New York. Water Resources Research, 2012, 48, .	1.7	18
122	Modeling potential hydrochemical responses to climate change and increasing CO₂at the Hubbard Brook Experimental Forest using a dynamic biogeochemical model (PnETâ€BGC). Water Resources Research, 2012, 48, .	1.7	37
123	Nutrient supply and mercury dynamics in marine ecosystems: A conceptual model. Environmental Research, 2012, 119, 118-131.	3.7	78
124	Marine mercury fate: From sources to seafood consumers. Environmental Research, 2012, 119, 1-2.	3.7	28
125	Watershed-Level Responses to Calcium Silicate Treatment in a Northern Hardwood Forest. Ecosystems, 2012, 15, 416-434.	1.6	24
126	Spatial and temporal patterns of mercury accumulation in lacustrine sediments across the Laurentian Great Lakes region. Environmental Pollution, 2012, 161, 252-260.	3.7	85

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127	A synthesis of rates and controls on elemental mercury evasion in the Great Lakes Basin. Environmental Pollution, 2012, 161, 291-298.	3.7	31
128	Long-term recovery of lakes in the Adirondack region of New York to decreases in acidic deposition. Atmospheric Environment, 2012, 46, 56-64.	1.9	59
129	Three-dimensional spatial patterns of trace gas concentrations in baseflow-dominated agricultural streams: implications for surfaceâ€"ground water interactions and biogeochemistry. Biogeochemistry, 2012, 107, 319-338.	1.7	11
130	Streamflow responses to past and projected future changes in climate at the Hubbard Brook Experimental Forest, New Hampshire, United States. Water Resources Research, 2011, 47, .	1.7	95
131	Spatial patterns of mercury in biota of Adirondack, New York lakes. Ecotoxicology, 2011, 20, 1543-1554.	1.1	52
132	Mercury concentrations in snapping turtles (Chelydra serpentina) correlate with environmental and landscape characteristics. Ecotoxicology, 2011, 20, 1599-1608.	1.1	20
133	MercNet: a national monitoring network to assess responses to changing mercury emissions in the United States. Ecotoxicology, 2011, 20, 1713-1725.	1.1	65
134	Snow depth, soil freezing and nitrogen cycling in a northern hardwood forest landscape. Biogeochemistry, 2011, 102, 223-238.	1.7	122
135	Dynamics of oxidized and reduced iron in a northern hardwood forest. Biogeochemistry, 2011, 104, 103-119.	1.7	37
136	Target loads of atmospheric sulfur deposition protect terrestrial resources in the Adirondack Mountains, New York against biological impacts caused by soil acidification. Journal of Environmental Studies and Sciences, 2011, 1, 301-314.	0.9	7
137	Empirical Critical Loads of Atmospheric Nitrogen Deposition for Nutrient Enrichment and Acidification of Sensitive US Lakes. BioScience, 2011, 61, 602-613.	2.2	128
138	Effects of nitrogen deposition and empirical nitrogen critical loads for ecoregions of the United States. , 2011, 21, 3049-3082.		373
139	Integrating Science and Policy: A Case Study of the Hubbard Brook Research Foundation Science Links Program. BioScience, 2011, 61, 791-801.	2.2	29
140	Anthropogenic impacts recorded in recent sediments from Otisco Lake, New York, USA. Journal of Paleolimnology, 2010, 43, 449-462.	0.8	13
141	Chemical changes in soil and soil solution after calcium silicate addition to a northern hardwood forest. Biogeochemistry, 2010, 100, 3-20.	1.7	49
142	Mercury methylation in Sphagnum moss mats and its association with sulfate-reducing bacteria in an acidic Adirondack forest lake wetland. FEMS Microbiology Ecology, 2010, 74, 655-668.	1.3	44
143	The role of interface organizations in science communication and understanding. Frontiers in Ecology and the Environment, 2010, 8, 306-313.	1.9	46
144	Mercury dynamics in relation to dissolved organic carbon concentration and quality during high flow events in three northeastern U.S. streams. Water Resources Research, 2010, 46, .	1.7	105

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145	Impact of Climate Change on Three-Dimensional Dynamic Critical Load Functions. Environmental Science & Technology, 2010, 44, 720-726.	4.6	18
146	Predicting Acidification Recovery at the Hubbard Brook Experimental Forest, New Hampshire: Evaluation of Four Models. Environmental Science & Technology, 2010, 44, 9003-9009.	4.6	11
147	Elevation dependent sensitivity of northern hardwoods to Ca addition at Hubbard Brook Experimental Forest, NH, USA. Forest Ecology and Management, 2010, 260, 2115-2124.	1.4	44
148	Patterns of Ca/Sr and 87Sr/86Sr variation before and after a whole watershed CaSiO3 addition at the Hubbard Brook Experimental Forest, USA. Geochimica Et Cosmochimica Acta, 2010, 74, 3129-3142.	1.6	20
149	Total and methyl mercury transformations and mass loadings within a wastewater treatment plant and the impact of the effluent discharge to an alkaline hypereutrophic lake. Water Research, 2010, 44, 2863-2875.	5.3	48
150	Continuing Acidification of Organic Soils across the Northeastern USA: 1984â€"2001. Soil Science Society of America Journal, 2009, 73, 274-284.	1.2	108
151	Watershed Land Use Controls on Chemical Inputs to Lake Ontario Embayments. Journal of Environmental Quality, 2009, 38, 2084-2095.	1.0	26
152	Resuspension of Mercury-Contaminated Sediments from an In-Lake Industrial Waste Deposit. Journal of Environmental Engineering, ASCE, 2009, 135, 526-534.	0.7	14
153	The effects of a whole-watershed calcium addition on the chemistry of stream storm events at the Hubbard Brook Experimental Forest in NH, USA. Science of the Total Environment, 2009, 407, 5392-5401.	3.9	16
154	Application of the PnET-BGC â€" An integrated biogeochemical model â€" To assess the surface water ANC recovery in the Adirondack region of New York under three multi-pollutant proposals. Journal of Hydrology, 2009, 378, 299-312.	2.3	8
155	Ultraviolet absorbance as a proxy for total dissolved mercury in streams. Environmental Pollution, 2009, 157, 1953-1956.	3.7	82
156	Climate Variation and Soil Carbon and Nitrogen Cycling Processes in a Northern Hardwood Forest. Ecosystems, 2009, 12, 927-943.	1.6	117
157	Factors influencing changes in mercury concentrations in lake water and yellow perch (Perca) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.7	61
158	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
159	Long-term changes in aluminum fractions of drainage waters in two forest catchments with contrasting lithology. Journal of Inorganic Biochemistry, 2009, 103, 1465-1472.	1.5	13
160	Patterns of Mercury Accumulation among Seston in Lakes of the Adirondack Mountains, New York. Environmental Science & Technology, 2009, 43, 4836-4842.	4.6	21
161	Consequences of climate change for biogeochemical cycling in forests of northeastern North AmericaThis 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
162	Evidence for Regulation of Monomethyl Mercury by Nitrate in a Seasonally Stratified, Eutrophic Lake. Environmental Science & Technology, 2009, 43, 6572-6578.	4.6	73

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163	Voyage without constellation: evaluating the performance of three uncalibrated process-oriented models. Hydrology Research, 2009, 40, 503-503.	1.1	7
164	Mercury dynamics and transport in two Adirondack Lakes. Limnology and Oceanography, 2009, 54, 413-427.	1.6	32
165	Mercury transport in response to storm events from a northern forest landscape. Hydrological Processes, 2008, 22, 4813-4826.	1.1	37
166	Local to regional emission sources affecting mercury fluxes to New York lakesâ˜†. Atmospheric Environment, 2008, 42, 6088-6097.	1.9	28
167	Mercury dynamics of a northern hardwood canopy. Atmospheric Environment, 2008, 42, 6905-6914.	1.9	91
168	Regional application of the PnETâ€BGC model to assess historical acidification of Adirondack lakes. Water Resources Research, 2008, 44, .	1.7	20
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