

# Emily M Elliott

## List of Publications by Year in descending order

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45  
papers

3,412  
citations

201674

27  
h-index

243625

44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking Nonpoint Source Nitrogen Pollution in Human-Impacted Watersheds. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8225-8232.	10.0	437
2	Nitrogen Isotopes as Indicators of $\text{NO}_x$ Source Contributions to Atmospheric Nitrate Deposition Across the Midwestern and Northeastern United States. <i>Environmental Science &amp; Technology</i> , 2007, 41, 7661-7667.	10.0	265
3	Nitrogen Isotopic Composition of Coal-Fired Power Plant $\text{NO}_x$ : Influence of Emission Controls and Implications for Global Emission Inventories. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3528-3535.	10.0	220
4	Isotopic composition of passively collected nitrogen dioxide emissions: Vehicle, soil and livestock source signatures. <i>Atmospheric Environment</i> , 2014, 92, 359-366.	4.1	168
5	Characterizing the isotopic composition of atmospheric ammonia emission sources using passive samplers and a combined oxidation-bacterial denitrifier approach. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2239-2246.	1.5	153
6	Sources and Transformations of Nitrate from Streams Draining Varying Land Uses: Evidence from Dual Isotope Analysis. <i>Journal of Environmental Quality</i> , 2009, 38, 1149-1159.	2.0	130
7	Dual nitrate isotopes in dry deposition: Utility for partitioning $\text{NO}_x$ source contributions to landscape nitrogen deposition. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	129
8	Isotopic advances in understanding reactive nitrogen deposition and atmospheric processing. <i>Science of the Total Environment</i> , 2019, 662, 393-403.	8.0	116
9	Quantification of Nitrate Sources to an Urban Stream Using Dual Nitrate Isotopes. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10580-10587.	10.0	99
10	Highway contributions to reactive nitrogen deposition: tracing the fate of vehicular $\text{NO}_x$ using stable isotopes and plant biomonitors. <i>Biogeochemistry</i> , 2013, 116, 261-274.	3.5	89
11	Examining the transport of ammonia emissions across landscapes using nitrogen isotope ratios. <i>Atmospheric Environment</i> , 2014, 95, 563-570.	4.1	86
12	An evaluation of multi-criteria methods in integrated assessment of climate policy. <i>Journal of Multi-Criteria Decision Analysis</i> , 2001, 10, 229-256.	1.9	79
13	Unusual seasonal patterns and inferred processes of nitrogen retention in forested headwaters of the Upper Susquehanna River. <i>Biogeochemistry</i> , 2009, 93, 197-218.	3.5	70
14	The agricultural history of human-nitrogen interactions as recorded in ice core $\delta^{15}\text{N}$ in $\text{NO}_3^-$ . <i>Geophysical Research Letters</i> , 2013, 40, 1642-1646.	4.0	67
15	Novel Method for Nitrogen Isotopic Analysis of Soil-Emitted Nitric Oxide. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6268-6278.	10.0	61
16	Legacy Effects in Material Flux: Structural Catchment Changes Predate Long-Term Studies. <i>BioScience</i> , 2012, 62, 575-584.	4.9	59
17	Stable Isotopes as Tracers of Anthropogenic Nitrogen Sources, Deposition, and Impacts. <i>Elements</i> , 2013, 9, 339-344.	0.5	55
18	Spatial and temporal patterns of nitrogen isotopic composition of ammonia at U.S. ammonia monitoring network sites. <i>Atmospheric Environment</i> , 2017, 150, 434-442.	4.1	52

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19	Constraining Nitrogen Inputs to Urban Streams from Leaking Sewers Using Inverse Modeling: Implications for Dissolved Inorganic Nitrogen (DIN) Retention in Urban Environments. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1816-1823.	10.0	51
20	Sedimented Organic Nitrogen Isotopes in Freshwater Wetlands Record Long-Term Changes in Watershed Nitrogen Source and Land Use. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2910-2916.	10.0	47
21	Drivers of atmospheric nitrate processing and export in forested catchments. <i>Water Resources Research</i> , 2015, 51, 1333-1352.	4.2	44
22	Evaluating Regional Patterns in Nitrate Sources to Watersheds in National Parks of the Rocky Mountains using Nitrate Isotopes. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6487-6493.	10.0	42
23	Isotopic composition of nitrate in sequential Hurricane Irene precipitation samples: Implications for changing NO <sub>x</sub> sources. <i>Atmospheric Environment</i> , 2015, 106, 191-195.	4.1	41
24	Triple Nitrate Isotopes Indicate Differing Nitrate Source Contributions to Streams Across a Nitrogen Saturation Gradient. <i>Ecosystems</i> , 2015, 18, 1209-1223.	3.4	36
25	Seasonal pattern of ammonium <sup>15</sup> N natural abundance in precipitation at a rural forested site and implications for NH <sub>3</sub> source partitioning. <i>Environmental Pollution</i> , 2019, 247, 541-549.	7.5	36
26	Unprocessed Atmospheric Nitrate in Waters of the Northern Forest Region in the U.S. and Canada. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3620-3633.	10.0	34
27	Isotopic indicators of environmental change in a subtropical wetland. <i>Ecological Indicators</i> , 2009, 9, 825-836.	6.3	29
28	Toward the improvement of total nitrogen deposition budgets in the United States. <i>Science of the Total Environment</i> , 2019, 691, 1328-1352.	8.0	29
29	Multiyear Measurements on <sup>17</sup> O of Stream Nitrate Indicate High Nitrate Production in a Temperate Forest. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4231-4239.	10.0	25
30	Characterizing a Major Urban Stream Restoration Project: Nine Mile Run (Pittsburgh, Pennsylvania). <i>Journal of Hydrologic Engineering</i> , 2015, 20, 04014011.	2.4	15
31	High resolution, extreme isotopic variability of precipitation nitrate. <i>Atmospheric Environment</i> , 2019, 207, 63-74.	4.1	15
32	Inorganic nitrogen wet deposition gradients in the Denver-Boulder metropolitan area and Colorado Front Range – Preliminary implications for Rocky Mountain National Park and interpolated deposition maps. <i>Science of the Total Environment</i> , 2019, 691, 1027-1042.	8.0	13
33	Nitrogen isotopic fractionations during nitric oxide production in an agricultural soil. <i>Biogeosciences</i> , 2021, 18, 805-829.	3.3	11
34	Hillslope soil water flowpaths and the dynamics of roadside soil cation pools influenced by road deicers. <i>Hydrological Processes</i> , 2017, 31, 177-190.	2.6	10
35	Probing soil nitrification and nitrate consumption using <sup>17</sup> O of soil nitrate. <i>Soil Biology and Biochemistry</i> , 2018, 127, 187-199.	8.8	9
36	Simple approaches for measuring dry atmospheric nitrogen deposition to watersheds. <i>Water Resources Research</i> , 2008, 44, .	4.2	7

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37	An Evaluation of Multicriteria Decision-Making Methods in Integrated Assessment of Climate Policy. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2000, , 228-237.	0.3	7
38	Efficacy of passive sampler collection for atmospheric NO <sub>2</sub> isotopes under simulated environmental conditions. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1211-1220.	1.5	5
39	Multiyear measurements on <sup>15</sup> N natural abundance of precipitation nitrate at a rural forested site. <i>Atmospheric Environment</i> , 2021, 253, 118353.	4.1	4
40	Event scale hydrograph responses highlight impacts of widespread stream burial and urban infrastructure failures. <i>Hydrological Processes</i> , 2022, 36, .	2.6	4
41	The Influence of Marcellus Shale Extraction Emissions on Regionally Monitored Dry Reactive Nitrogen Deposition. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3542-3549.	10.0	3
42	Quantifying atmospheric reactive nitrogen concentrations, dry deposition, and isotope dynamics surrounding a Marcellus Shale well pad. <i>Atmospheric Environment</i> , 2020, 223, 117196.	4.1	3
43	<sup>15</sup> N systematics in two minerotrophic peatlands in the eastern U.S.: Insights into nitrogen cycling under moderate pollution. <i>Global Ecology and Conservation</i> , 2019, 17, e00571.	2.1	2
44	Merging perspectives in the catchment sciences: the US-Japan Joint Seminar on catchment hydrology and forest biogeochemistry. <i>Hydrological Processes</i> , 2014, 28, 2878-2880.	2.6	1
45	Response to Comment on "Constraining Nitrogen Inputs to Urban Streams from Leaking Sewers Using Inverse Modeling: Implications for DIN Retention in Urban Environments". <i>Environmental Science &amp; Technology</i> , 2013, 47, 6721-6721.	10.0	0