

Peter M Groffman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

319
papers

26,797
citations

85
h-index

156
g-index

361
ext. papers

29,645
ext. citations

5.1
avg, IF

6.84
L-index

#	Paper	IF	Citations
319	Nitrogen cycling and urban afforestation success in New York City.. <i>Ecological Applications</i> , 2022 , e2535	4.9	
318	Nitrification and denitrification in the Community Land Model compared to observations at Hubbard Brook Forest.. <i>Ecological Applications</i> , 2022 , e2530	4.9	1
317	Examining the potential to expand wildlife-supporting residential yards and gardens. <i>Landscape and Urban Planning</i> , 2022 , 222, 104396	7.7	2
316	Evidence, causes, and consequences of declining nitrogen availability in terrestrial ecosystems.. <i>Science</i> , 2022 , 376, eabh3767	33.3	5
315	Spatial asynchrony in environmental and economic benefits of stream restoration. <i>Environmental Research Letters</i> , 2022 , 17, 054004	6.2	
314	A social-ecological-technological systems framework for urban ecosystem services. <i>One Earth</i> , 2022 , 5, 505-518	8.1	4
313	Tracing carbon flow through a sugar maple forest and its soil components: role of invasive earthworms. <i>Plant and Soil</i> , 2021 , 464, 517-537	4.2	1
312	Potential ecological impacts of climate intervention by reflecting sunlight to cool Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
311	Connectivity: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03433	3.1	1
310	Time lags: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03431	3.1	2
309	Evaluating Instream Restoration Effectiveness in Reducing Nitrogen Export from an Urban Catchment with a Data-Model Approach. <i>Journal of the American Water Resources Association</i> , 2021 , 57, 449-473	2.1	1
308	Resilience: insights from the U.S. LongTerm Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03434	3.1	4
307	Ideas and perspectives: Biogeochemistry Bome key foci for the future. <i>Biogeosciences</i> , 2021 , 18, 3005-3018	4.8	1
306	State changes: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03433	3.1	1
305	Cascading effects: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03430	3.1	0
304	Fine-scale soil heterogeneity at an urban site: implications for forest restoration. <i>Restoration Ecology</i> , 2021 , 29, e13409	3.1	1
303	Watershed studies at the Hubbard Brook Experimental Forest: Building on a long legacy of research with new approaches and sources of data. <i>Hydrological Processes</i> , 2021 , 35,	3.3	3

302	A landscape approach to nitrogen cycling in urban lawns reveals the interaction between topography and human behaviors. <i>Biogeochemistry</i> , 2021 , 152, 73-92	3.8	0
301	Evolving Governance in the U.S. Long Term Ecological Research Network. <i>Archimedes</i> , 2021 , 423-444	0.1	
300	Increased carbon capture by a silicate-treated forested watershed affected by acid deposition. <i>Biogeosciences</i> , 2021 , 18, 169-188	4.6	6
299	Drivers of Hot Spots and Hot Moments of Denitrification in Agricultural Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006234	3.7	4
298	Draining the Landscape: How Do Nitrogen Concentrations in Riparian Groundwater and Stream Water Change Following Milldam Removal?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2021JG006444	3.7	3
297	Residential yard management and landscape cover affect urban bird community diversity across the continental USA. <i>Ecological Applications</i> , 2021 , 31, e02455	4.9	6
296	Interacting drivers and their tradeoffs for predicting denitrification potential across a strong urban to rural gradient within heterogeneous landscapes. <i>Journal of Environmental Management</i> , 2021 , 294, 113021	7.9	0
295	Soil carbon sequestration in urban afforestation sites in New York City. <i>Urban Forestry and Urban Greening</i> , 2021 , 65, 127342	5.4	2
294	Patterns and trends of organic matter processing and transport: Insights from the US long-term ecological research network. <i>Climate Change Ecology</i> , 2021 , 2, 100025		0
293	Soil Microbes Trade-Off Biogeochemical Cycling for Stress Tolerance Traits in Response to Year-Round Climate Change. <i>Frontiers in Microbiology</i> , 2020 , 11, 616	5.7	11
292	Remediation of an urban garden with elevated levels of soil contamination. <i>Science of the Total Environment</i> , 2020 , 722, 137965	10.2	17
291	Taxonomic, phylogenetic, and functional composition and homogenization of residential yard vegetation with contrasting management. <i>Landscape and Urban Planning</i> , 2020 , 202, 103877	7.7	7
290	How the Nonhuman World Influences Homeowner Yard Management in the American Residential Macrosystem. <i>Human Ecology</i> , 2020 , 48, 347-356	2	2
289	Theoretical Perspectives of the Baltimore Ecosystem Study: Conceptual Evolution in a Social-Ecological Research Project. <i>BioScience</i> , 2020 , 70, 297-314	5.7	8
288	Long-Term Ecological Research and Evolving Frameworks of Disturbance Ecology. <i>BioScience</i> , 2020 , 70, 141-156	5.7	18
287	Experimental approach and initial forest response to a simulated ice storm experiment in a northern hardwood forest. <i>PLoS ONE</i> , 2020 , 15, e0239619	3.7	3
286	Using constructed soils for green infrastructure challenges and limitations. <i>Soil</i> , 2020 , 6, 413-434	5.8	16
285	Urban soil carbon and nitrogen converge at a continental scale. <i>Ecological Monographs</i> , 2020 , 90, e014019		15

284	Linking yard plant diversity to homeowners' landscaping priorities across the U.S. <i>Landscape and Urban Planning</i> , 2020 , 196, 103730	7.7	15
283	Ecosystem Nitrogen Response to a Simulated Ice Storm in a Northern Hardwood Forest. <i>Ecosystems</i> , 2020 , 23, 1186-1205	3.9	4
282	The state factor model and urban forest restoration. <i>Journal of Urban Ecology</i> , 2020 , 6,	2	2
281	The limits of lead (Pb) phytoextraction and possibilities of phytostabilization in contaminated soil: a critical review. <i>International Journal of Phytoremediation</i> , 2020 , 22, 916-930	3.9	18
280	Snowpack affects soil microclimate throughout the year. <i>Climatic Change</i> , 2020 , 163, 705-722	4.5	2
279	Municipal regulation of residential landscapes across US cities: Patterns and implications for landscape sustainability. <i>Journal of Environmental Management</i> , 2020 , 275, 111132	7.9	13
278	Using metagenomics to reveal landscape scale patterns of denitrifiers in a montane forest ecosystem. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107585	7.5	8
277	Seeing the light: urban stream restoration affects stream metabolism and nitrate uptake via changes in canopy cover. <i>Ecological Applications</i> , 2019 , 29, e01941	4.9	9
276	Green Infrastructure Design Influences Communities of Urban Soil Bacteria. <i>Frontiers in Microbiology</i> , 2019 , 10, 982	5.7	21
275	Contribution of non-native plants to the phylogenetic homogenization of U.S. yard floras. <i>Ecosphere</i> , 2019 , 10, e02638	3.1	13
274	Roots Mediate the Effects of Snowpack Decline on Soil Bacteria, Fungi, and Nitrogen Cycling in a Northern Hardwood Forest. <i>Frontiers in Microbiology</i> , 2019 , 10, 926	5.7	3
273	Climate and lawn management interact to control C plant distribution in residential lawns across seven U.S. cities. <i>Ecological Applications</i> , 2019 , 29, e01884	4.9	6
272	Changes in long-term water quality of Baltimore streams are associated with both gray and green infrastructure. <i>Limnology and Oceanography</i> , 2019 , 64, S60	4.8	13
271	Leveraging Environmental Research and Observation Networks to Advance Soil Carbon Science. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 1047-1055	3.7	15
270	Effects of Changes in Nitrogen Availability on Nitrogen Gas Emissions in a Tropical Forest During a Drought. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 2917-2926	3.7	1
269	Changes in vegetation structure and composition of urban and rural forest patches in Baltimore from 1998 to 2015. <i>Forest Ecology and Management</i> , 2019 , 454, 117665	3.9	9
268	Residential household yard care practices along urban-exurban gradients in six climatically-diverse U.S. metropolitan areas. <i>PLoS ONE</i> , 2019 , 14, e0222630	3.7	4
267	Side-swiped: Ecological cascades emanating from earthworm invasion. <i>Frontiers in Ecology and the Environment</i> , 2019 , 17, 502-510	5.5	33

266	Short-term precipitation pulses stimulate soil CO ₂ emission but do not alter CH ₄ and N ₂ O fluxes in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2019 , 130, 8-11	7.5	14
265	Drivers of plant species richness and phylogenetic composition in urban yards at the continental scale. <i>Landscape Ecology</i> , 2019 , 34, 63-77	4.3	20
264	Controls on denitrification potential in nitrate-rich waterways and riparian zones of an irrigated agricultural setting. <i>Ecological Applications</i> , 2018 , 28, 1055-1067	4.9	10
263	Constructed soils for mitigating lead (Pb) exposure and promoting urban community gardening: The New York City Clean Soil Bank pilot study. <i>Landscape and Urban Planning</i> , 2018 , 175, 184-194	7.7	28
262	Homogenization of plant diversity, composition, and structure in North American urban yards. <i>Ecosphere</i> , 2018 , 9, e02105	3.1	39
261	Soil amendments promote denitrification in restored wetlands. <i>Restoration Ecology</i> , 2018 , 26, 294-302	3.1	3
260	Declines in methane uptake in forest soils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8587-8590	11.5	55
259	Social Norms, Yard Care, and the Difference between Front and Back Yard Management: Examining the Landscape Mullets Concept on Urban Residential Lands. <i>Society and Natural Resources</i> , 2018 , 31, 1169-1188	2.4	20
258	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. <i>Biogeosciences</i> , 2018 , 15, 4815-4832	4.6	19
257	Crab Burrowing Limits Surface Litter Accumulation in a Temperate Salt Marsh: Implications for Ecosystem Functioning and Connectivity. <i>Ecosystems</i> , 2018 , 21, 1000-1012	3.9	6
256	Variability of Bioaccessible Lead in Urban Garden Soils. <i>Soil Science</i> , 2018 , 183, 123-131	0.9	9
255	Nitrogen regulation by natural systems in Unnatural Landscapes: denitrification in ultra-urban coastal ecosystems. <i>Ecosystem Health and Sustainability</i> , 2018 , 4, 205-224	3.7	7
254	Soil and microbial properties of green infrastructure stormwater management systems. <i>Ecological Engineering</i> , 2018 , 125, 68-75	3.9	17
253	Steady-State Land Cover but Non-Steady-State Major Ion Chemistry in Urban Streams. <i>Environmental Science & Technology</i> , 2018 , 52, 13015-13026	10.3	18
252	Nitrogen oligotrophication in northern hardwood forests. <i>Biogeochemistry</i> , 2018 , 141, 523-539	3.8	52
251	Guidelines and considerations for designing field experiments simulating precipitation extremes in forest ecosystems. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 2310-2325	7.7	15
250	Steering operational synergies in terrestrial observation networks: opportunity for advancing Earth system dynamics modelling. <i>Earth System Dynamics</i> , 2018 , 9, 593-609	4.8	23
249	Accumulation of arsenic and lead in garden-grown vegetables: Factors and mitigation strategies. <i>Science of the Total Environment</i> , 2018 , 640-641, 273-283	10.2	34

248	A multi-city comparison of front and backyard differences in plant species diversity and nitrogen cycling in residential landscapes. <i>Landscape and Urban Planning</i> , 2018 , 178, 102-111	7.7	13
247	Sediment chemistry of urban stormwater ponds and controls on denitrification. <i>Ecosphere</i> , 2018 , 9, e023318	3.8	17
246	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	7.5	28
245	Variable nitrate concentration-discharge relationships in a forested watershed. <i>Hydrological Processes</i> , 2017 , 31, 1817-1824	3.3	35
244	Soil Ca alters processes contributing to C and N retention in the Oa/A horizon of a northern hardwood forest. <i>Biogeochemistry</i> , 2017 , 132, 343-357	3.8	17
243	Accidental urban wetlands: ecosystem functions in unexpected places. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 248-256	5.5	41
242	Ecological homogenization of residential macrosystems. <i>Nature Ecology and Evolution</i> , 2017 , 1, 191	12.3	44
241	Continental-scale homogenization of residential lawn plant communities. <i>Landscape and Urban Planning</i> , 2017 , 165, 54-63	7.7	54
240	Nonlinear response of nitric oxide fluxes to fertilizer inputs and the impacts of agricultural intensification on tropospheric ozone pollution in Kenya. <i>Global Change Biology</i> , 2017 , 23, 3193-3204	11.4	17
239	Non-Algorithmically Integrating Land Use Type with Spatial Interpolation of Surface Soil Nutrients in an Urbanizing Watershed. <i>Pedosphere</i> , 2017 , 27, 147-154	5	3
238	Dynamics of nitrate concentration-discharge patterns in an urban watershed. <i>Water Resources Research</i> , 2017 , 53, 7349-7365	5.4	51
237	Recovery and resilience of urban stream metabolism following Superstorm Sandy and other floods. <i>Ecosphere</i> , 2017 , 8, e01776	3.1	31
236	Moving Towards a New Urban Systems Science. <i>Ecosystems</i> , 2017 , 20, 38-43	3.9	46
235	Rapid Conversion of Added Nitrate to Nitrous Oxide and Dinitrogen in Northern Forest Soil. <i>Geomicrobiology Journal</i> , 2017 , 34, 670-676	2.5	3
234	Soil texture and water retention as spatial predictors of denitrification in urban wetlands. <i>Soil Biology and Biochemistry</i> , 2016 , 101, 237-250	7.5	22
233	Hydrologic flowpaths during snowmelt in forested headwater catchments under differing winter climatic and soil frost regimes. <i>Hydrological Processes</i> , 2016 , 30, 4617-4632	3.3	14
232	Nitrogen trace gas fluxes from a semiarid subtropical savanna under woody legume encroachment. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 614-628	5.9	18
231	Nitrate and dissolved organic carbon mobilization in response to soil freezing variability. <i>Biogeochemistry</i> , 2016 , 131, 35-47	3.8	26

230	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. <i>Ecosphere</i> , 2016 , 7, e01251	3.1	47
229	Satisfaction, water and fertilizer use in the American residential macrosystem. <i>Environmental Research Letters</i> , 2016 , 11, 034004	6.2	20
228	Soil microbial nitrogen cycling and nitrous oxide emissions from urban afforestation in the New York City Afforestation Project. <i>Urban Forestry and Urban Greening</i> , 2016 , 15, 149-154	5.4	12
227	Nutrient Cycling in Grassed Roadside Ditches and Lawns in a Suburban Watershed. <i>Journal of Environmental Quality</i> , 2016 , 45, 1901-1909	3.4	24
226	Use of a Three-Dimensional Reactive Solute Transport Model for Evaluation of Bioreactor Placement in Stream Restoration. <i>Journal of Environmental Quality</i> , 2016 , 45, 839-46	3.4	1
225	Influence of transient flooding on methane fluxes from subtropical pastures. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 965-977	3.7	23
224	Effects of Harvesting Forest Biomass on Water and Climate Regulation Services: A Synthesis of Long-Term Ecosystem Experiments in Eastern North America. <i>Ecosystems</i> , 2016 , 19, 271-283	3.9	17
223	Denitrification in a subtropical, semi-arid North American savanna: field measurements and intact soil core incubations. <i>Biogeochemistry</i> , 2016 , 128, 257-266	3.8	6
222	Reduced snow cover alters root-microbe interactions and decreases nitrification rates in a northern hardwood forest. <i>Ecology</i> , 2016 , 97, 3359-3368	4.6	26
221	Effects of calcium silicate treatment on the composition of forest floor organic matter in a northern hardwood forest stand. <i>Biogeochemistry</i> , 2015 , 122, 313-326	3.8	7
220	Earthworms Reduce Biotic 15-Nitrogen Retention in Northern Hardwood Forests. <i>Ecosystems</i> , 2015 , 18, 328-342	3.9	9
219	Nitrogen supply modulates the effect of changes in drying-rewetting frequency on soil C and N cycling and greenhouse gas exchange. <i>Global Change Biology</i> , 2015 , 21, 3854-63	11.4	43
218	Earthworms increase soil microbial biomass carrying capacity and nitrogen retention in northern hardwood forests. <i>Soil Biology and Biochemistry</i> , 2015 , 87, 51-58	7.5	52
217	Soil Denitrification Fluxes in a Northern Hardwood Forest: The Importance of Snowmelt and Implications for Ecosystem N Budgets. <i>Ecosystems</i> , 2015 , 18, 520-532	3.9	37
216	Complex controls of denitrification at ecosystem, landscape and regional scales in northern hardwood forests. <i>Ecological Modelling</i> , 2015 , 298, 39-52	3	21
215	Soil denitrification fluxes from three northeastern North American forests across a range of nitrogen deposition. <i>Oecologia</i> , 2015 , 177, 17-27	2.9	47
214	A potential tipping point in tropical agriculture: Avoiding rapid increases in nitrous oxide fluxes from agricultural intensification in Kenya. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 938-951	3.7	40
213	Beaver Ponds: Resurgent Nitrogen Sinks for Rural Watersheds in the Northeastern United States. <i>Journal of Environmental Quality</i> , 2015 , 44, 1684-93	3.4	27

212	Mechanisms driving the seasonality of catchment scale nitrate export: Evidence for riparian ecohydrologic controls. <i>Water Resources Research</i> , 2015 , 51, 3982-3997	5.4	41
211	Chemical, Physical, and Biological Characteristics of Urban Soils. <i>Agronomy</i> , 2015 , 119-152	0.8	36
210	Climate Variation Overwhelms Efforts to Reduce Nitrogen Delivery to Coastal Waters. <i>Ecosystems</i> , 2015 , 18, 1319-1331	3.9	22
209	The soil N cycle: new insights and key challenges. <i>Soil</i> , 2015 , 1, 235-256	5.8	116
208	Measuring ecosystem capacity to provide regulating services: forest removal and recovery at Hubbard Brook (USA). <i>Ecological Applications</i> , 2015 , 25, 2011-21	4.9	15
207	Using a soil topographic index to distribute denitrification fluxes across a northeastern headwater catchment. <i>Journal of Hydrology</i> , 2015 , 522, 123-134	6	32
206	Winter climate change affects growing-season soil microbial biomass and activity in northern hardwood forests. <i>Global Change Biology</i> , 2014 , 20, 3568-77	11.4	55
205	Exploring carbon flow through the root channel in a temperate forest soil food web. <i>Soil Biology and Biochemistry</i> , 2014 , 76, 45-52	7.5	44
204	Isotopic signals of summer denitrification in a northern hardwood forested catchment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16413-8	11.5	48
203	Hotspots and Hot Moments of Denitrification in Urban Brownfield Wetlands. <i>Ecosystems</i> , 2014 , 17, 1121-1137	3.9	32
202	Hydrologic Controls on Nitrogen and Phosphorous Dynamics in Relict Oxbow Wetlands Adjacent to an Urban Restored Stream. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 1365-1382	2.1	19
201	Stimulating nitrate removal processes of restored wetlands. <i>Environmental Science & Technology</i> , 2014 , 48, 7365-73	10.3	33
200	Resurgent beaver ponds in the northeastern United States: implications for greenhouse gas emissions. <i>Journal of Environmental Quality</i> , 2014 , 43, 1844-52	3.4	7
199	Sources of variation in home lawn soil nitrogen dynamics. <i>Journal of Environmental Quality</i> , 2014 , 43, 2146-51	3.4	7
198	Shallow groundwater denitrification in riparian zones of a headwater agricultural landscape. <i>Journal of Environmental Quality</i> , 2014 , 43, 732-44	3.4	35
197	Differential Carbon and Nitrogen Controls of Denitrification in Riparian Zones and Streams along an Urban to Exurban Gradient. <i>Journal of Environmental Quality</i> , 2014 , 43, 955-63	3.4	15
196	Assessing the homogenization of urban land management with an application to US residential lawn care. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4432-7	11.5	139
195	Ecological homogenization of urban USA. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 74-81	5.5	244

194	Effects of calcium treatment on forest floor organic matter composition along an elevation gradient. <i>Canadian Journal of Forest Research</i> , 2014 , 44, 969-976	1.9	6
193	Urban ecology: advancing science and society. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 574-584	4.5	46
192	Instream Large Wood: Denitrification Hotspots with Low N ₂ O Production. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 615-625	2.1	11
191	Direct flux and ¹⁵ N tracer methods for measuring denitrification in forest soils. <i>Biogeochemistry</i> , 2014 , 117, 359-373	3.8	37
190	Assessing denitrification from seasonally saturated soils in an agricultural landscape: A farm-scale mass-balance approach. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 189, 60-69	5.7	18
189	Partitioning of belowground C in young sugar maple forest. <i>Plant and Soil</i> , 2013 , 367, 379-389	4.2	13
188	The impacts of climate change on ecosystem structure and function. <i>Frontiers in Ecology and the Environment</i> , 2013 , 11, 474-482	5.5	301
187	Earthworms, litter and soil carbon in a northern hardwood forest. <i>Biogeochemistry</i> , 2013 , 114, 269-280	3.8	32
186	High N ₂ O emissions in dry ecosystems. <i>European Journal of Soil Biology</i> , 2013 , 59, 1-7	2.9	22
185	Factors Regulating Net Methane Flux by Soils in Urban Forests And Grasslands. <i>Soil Science Society of America Journal</i> , 2013 , 77, 850-855	2.5	8
184	Nitrogen deposition in and near an urban ecosystem. <i>Environmental Science & Technology</i> , 2013 , 47, 6047-51	10.3	68
183	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, 11440-8	10.3	65
182	Socioecological revitalization of an urban watershed. <i>Frontiers in Ecology and the Environment</i> , 2013 , 11, 28-36	5.5	22
181	Preliminary results from monitoring of stream nitrogen concentrations, denitrification, and nitrification potentials in an urbanizing watershed in Xiamen, southeast China. <i>International Journal of Sustainable Development and World Ecology</i> , 2013 , 20, 223-230	3.8	5
180	Winter climate change effects on soil C and N cycles in urban grasslands. <i>Global Change Biology</i> , 2013 , 19, 2826-37	11.4	37
179	Centennial-scale analysis of the creation and fate of reactive nitrogen in China (1910-2010). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2052-7	11.5	211
178	Towards closing the watershed nitrogen budget: Spatial and temporal scaling of denitrification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1105-1119	3.7	54
177	Denitrification and potential nitrous oxide and carbon dioxide production in brownfield wetland soils. <i>Journal of Environmental Quality</i> , 2013 , 42, 1507-17	3.4	13

176	High resolution measurement of light in terrestrial ecosystems using photodegrading dyes. <i>PLoS ONE</i> , 2013 , 8, e75715	3.7	3
175	An integrated monitoring/modeling framework for assessing human nature interactions in urbanizing watersheds: Wappinger and Onondaga Creek watersheds, New York, USA. <i>Environmental Modelling and Software</i> , 2012 , 32, 1-15	5.2	26
174	Comparison of in situ methods to measure N mineralization rates in forest soils. <i>Soil Biology and Biochemistry</i> , 2012 , 46, 145-147	7.5	13
173	Nitrate removal in two relict oxbow urban wetlands: a 15N mass-balance approach. <i>Biogeochemistry</i> , 2012 , 111, 647-660	3.8	20
172	Microbial biomass and activity in geomorphic features in forested and urban restored and degraded streams. <i>Ecological Engineering</i> , 2012 , 38, 1-10	3.9	30
171	Terrestrial denitrification: challenges and opportunities. <i>Ecological Processes</i> , 2012 , 1,	3.6	53
170	Denitrification potential in stormwater control structures and natural riparian zones in an urban landscape. <i>Environmental Science & Technology</i> , 2012 , 46, 10909-17	10.3	94
169	Long-Term Integrated Studies Show Complex and Surprising Effects of Climate Change in the Northern Hardwood Forest. <i>BioScience</i> , 2012 , 62, 1056-1066	5.7	101
168	Soil O ₂ controls denitrification rates and N ₂ O yield in a riparian wetland. <i>Journal of Geophysical Research</i> , 2012 , 117,		95
167	Soil Properties and Vegetative Development in Four Restored Freshwater Depressional Wetlands. <i>Soil Science Society of America Journal</i> , 2012 , 76, 1482-1495	2.5	21
166	Influence of natural and novel organic carbon sources on denitrification in forest, degraded urban, and restored streams. <i>Ecological Monographs</i> , 2012 , 82, 449-466	9	91
165	Denitrification in alluvial wetlands in an urban landscape. <i>Journal of Environmental Quality</i> , 2011 , 40, 634-46	3.4	61
164	Denitrification in suburban lawn soils. <i>Journal of Environmental Quality</i> , 2011 , 40, 1932-40	3.4	42
163	Carbon and Nitrogen Cycling in Snow-Covered Environments. <i>Geography Compass</i> , 2011 , 5, 682-699	2.4	142
162	Calcium and phosphorus interact to reduce mid-growing season net nitrogen mineralization potential in organic horizons in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 271-279	7.5	20
161	Phosphate additions have no effect on microbial biomass and activity in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 2441-2449	7.5	37
160	Snow depth, soil freezing and nitrogen cycling in a northern hardwood forest landscape. <i>Biogeochemistry</i> , 2011 , 102, 223-238	3.8	97
159	Accumulation of Carbon and Nitrogen in Residential Soils with Different Land-Use Histories. <i>Ecosystems</i> , 2011 , 14, 287-297	3.9	144

158	Transport of Carbon and Nitrogen Between Litter and Soil Organic Matter in a Northern Hardwood Forest. <i>Ecosystems</i> , 2011 , 14, 326-340	3.9	53
157	Tracking nonpoint source nitrogen pollution in human-impacted watersheds. <i>Environmental Science & Technology</i> , 2011 , 45, 8225-32	10.3	355
156	Urban ecological systems: scientific foundations and a decade of progress. <i>Journal of Environmental Management</i> , 2011 , 92, 331-62	7.9	601
155	Calcium constrains plant control over forest ecosystem nitrogen cycling. <i>Ecology</i> , 2011 , 92, 2035-42	4.6	24
154	Winter climate change implications for decomposition in northeastern forests: comparisons of sugar maple litter with herbivore fecal inputs. <i>Global Change Biology</i> , 2010 , 16, 2589	11.4	21
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133	Methane uptake in urban forests and lawns. <i>Environmental Science & Technology</i> , 2009 , 43, 5229-35	10.3	61
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