

Peter M Groffman

List of Publications by Year in descending order

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321
papers

33,150
citations

3531

90
h-index

4991

167
g-index

361
all docs

361
docs citations

361
times ranked

23129
citing authors

#	ARTICLE	IF	CITATIONS
1	The urban stream syndrome: current knowledge and the search for a cure. <i>Journal of the North American Benthological Society</i> , 2005, 24, 706-723.	3.1	2,105
2	Biogeochemical Hot Spots and Hot Moments at the Interface of Terrestrial and Aquatic Ecosystems. <i>Ecosystems</i> , 2003, 6, 301-312.	3.4	1,874
3	Ecological Thresholds: The Key to Successful Environmental Management or an Important Concept with No Practical Application?. <i>Ecosystems</i> , 2006, 9, 1-13.	3.4	829
4	Urban ecological systems: Scientific foundations and a decade of progress. <i>Journal of Environmental Management</i> , 2011, 92, 331-362.	7.8	772
5	METHODS FOR MEASURING DENITRIFICATION: DIVERSE APPROACHES TO A DIFFICULT PROBLEM. , 2006, 16, 2091-2122.		757
6	From The Cover: Increased salinization of fresh water in the northeastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13517-13520.	7.1	731
7	Reducing Nitrogen Loading to the Gulf of Mexico from the Mississippi River Basin: Strategies to Counter a Persistent Ecological Problem. <i>BioScience</i> , 2001, 51, 373.	4.9	650
8	The changing landscape: ecosystem responses to urbanization and pollution across climatic and societal gradients. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 264-272.	4.0	597
9	A distinct urban biogeochemistry?. <i>Trends in Ecology and Evolution</i> , 2006, 21, 192-199.	8.7	557
10	Detritus Food Webs in Conventional and No-Tillage Agroecosystems. <i>BioScience</i> , 1986, 36, 374-380.	4.9	555
11	Challenges to incorporating spatially and temporally explicit phenomena (hotspots and hot moments) in denitrification models. <i>Biogeochemistry</i> , 2009, 93, 49-77.	3.5	529
12	Colder soils in a warmer world: A snow manipulation study in a northern hardwood forest ecosystem. <i>Biogeochemistry</i> , 2001, 56, 135-150.	3.5	501
13	Water Quality Functions of Riparian Forest Buffers in Chesapeake Bay Watersheds. <i>Environmental Management</i> , 1997, 21, 687-712.	2.7	497
14	Tracking Nonpoint Source Nitrogen Pollution in Human-Impacted Watersheds. <i>Environmental Science & Technology</i> , 2011, 45, 8225-8232.	10.0	437
15	The impacts of climate change on ecosystem structure and function. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 474-482.	4.0	433
16	Down by the riverside: urban riparian ecology. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 315-321.	4.0	423
17	Non-native invasive earthworms as agents of change in northern temperate forests. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 427-435.	4.0	387
18	Nitrogen Fluxes and Retention in Urban Watershed Ecosystems. <i>Ecosystems</i> , 2004, 7, 393.	3.4	374

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19	Ecological homogenization of urban USA. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 74-81.	4.0	343
20	Nitrogen Pollution in the Northeastern United States: Sources, Effects, and Management Options. <i>BioScience</i> , 2003, 53, 357.	4.9	335
21	Soil freezing alters fine root dynamics in a northern hardwood forest. <i>Biogeochemistry</i> , 2001, 56, 175-190.	3.5	327
22	Perspectives on measurement of denitrification in the field including recommended protocols for acetylene based methods. <i>Plant and Soil</i> , 1989, 115, 261-284.	3.7	298
23	Title is missing!. <i>Biogeochemistry</i> , 2001, 56, 215-238.	3.5	289
24	Beyond Urban Legends: An Emerging Framework of Urban Ecology, as Illustrated by the Baltimore Ecosystem Study. <i>BioScience</i> , 2008, 58, 139-150.	4.9	288
25	UNGULATE VS. LANDSCAPE CONTROL OF SOIL C AND N PROCESSES IN GRASSLANDS OF YELLOWSTONE NATIONAL PARK. <i>Ecology</i> , 1998, 79, 2229-2241.	3.2	281
26	Denitrification in north temperate forest soils: Spatial and temporal patterns at the landscape and seasonal scales. <i>Soil Biology and Biochemistry</i> , 1989, 21, 613-620.	8.8	264
27	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, 2052-2057.	7.1	264
28	The Vernal Dam: Plant-Microbe Competition for Nitrogen in Northern Hardwood Forests. <i>Ecology</i> , 1990, 71, 651-656.	3.2	262
29	Soil Nitrogen Cycle Processes in Urban Riparian Zones. <i>Environmental Science & Technology</i> , 2002, 36, 4547-4552.	10.0	260
30	Stream restoration strategies for reducing river nitrogen loads. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 529-538.	4.0	251
31	Title is missing!. <i>Biogeochemistry</i> , 2001, 56, 151-174.	3.5	248
32	Winter in northeastern North America: a critical period for ecological processes. <i>Frontiers in Ecology and the Environment</i> , 2005, 3, 314-322.	4.0	234
33	Effects of mild winter freezing on soil nitrogen and carbon dynamics in a northern hardwood forest. <i>Biogeochemistry</i> , 2001, 56, 191-213.	3.5	231
34	Interaction between Urbanization and Climate Variability Amplifies Watershed Nitrate Export in Maryland. <i>Environmental Science & Technology</i> , 2008, 42, 5872-5878.	10.0	229
35	Ecosystem Consequences of Exotic Earthworm Invasion of North Temperate Forests. <i>Ecosystems</i> , 2004, 7, 1-12.	3.4	228
36	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.	9.5	225

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37	Nitrate Dynamics in Riparian Forests: Microbial Studies. <i>Journal of Environmental Quality</i> , 1992, 21, 666-671.	2.0	217
38	Insect Defoliation and Nitrogen Cycling in Forests. <i>BioScience</i> , 2002, 52, 335.	4.9	217
39	Denitrification in north temperate forest soils: Relationships between denitrification and environmental factors at the landscape scale. <i>Soil Biology and Biochemistry</i> , 1989, 21, 621-626.	8.8	216
40	Influence of exotic earthworm invasion on soil organic matter, microbial biomass and denitrification potential in forest soils of the northeastern United States. <i>Applied Soil Ecology</i> , 1998, 9, 197-202.	4.3	190
41	Accumulation of Carbon and Nitrogen in Residential Soils with Different Land-Use Histories. <i>Ecosystems</i> , 2011, 14, 287-297.	3.4	180
42	Carbon and Nitrogen Cycling in Snow-Covered Environments. <i>Geography Compass</i> , 2011, 5, 682-699.	2.7	177
43	Influence of Earthworm Invasion on Redistribution and Retention of Soil Carbon and Nitrogen in Northern Temperate Forests. <i>Ecosystems</i> , 2004, 7, 13-27.	3.4	176
44	Denitrification Potential in Urban Riparian Zones. <i>Journal of Environmental Quality</i> , 2003, 32, 1144-1149.	2.0	175
45	Denitrification Hysteresis During Wetting and Drying Cycles in Soil. <i>Soil Science Society of America Journal</i> , 1988, 52, 1626-1629.	2.2	174
46	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, 4432-4437.	7.1	164
47	LANDSCAPE ATTRIBUTES AS CONTROLS ON GROITHD WATER NITRATE REMOVAL CAPACITY OF RIPARIAN ZONES. <i>Journal of the American Water Resources Association</i> , 2001, 37, 1457-1464.	2.4	162
48	Living in an increasingly connected world: a framework for continental-scale environmental science. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 229-237.	4.0	157
49	N processing within geomorphic structures in urban streams. <i>Journal of the North American Benthological Society</i> , 2005, 24, 613-625.	3.1	155
50	The soil N cycle: new insights and key challenges. <i>Soil</i> , 2015, 1, 235-256.	4.9	154
51	Restarting the conversation: challenges at the interface between ecology and society. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 284-291.	4.0	152
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.. <i>Canadian Journal of Forest Research</i> , 2009, 39, 264-284.	1.7	148
53	Nitrate Leaching and Nitrous Oxide Flux in Urban Forests and Grasslands. <i>Journal of Environmental Quality</i> , 2009, 38, 1848-1860.	2.0	146
54	Nitrate Dynamics in Riparian Forests: Groundwater Studies. <i>Journal of Environmental Quality</i> , 1992, 21, 659-665.	2.0	139

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55	Environmental control of fine root dynamics in a northern hardwood forest. <i>Global Change Biology</i> , 2003, 9, 670-679.	9.5	139
56	Denitrification in Riparian Wetlands Receiving High and Low Groundwater Nitrate Inputs. <i>Journal of Environmental Quality</i> , 1994, 23, 917-922.	2.0	138
57	PLANT-SOIL-MICROBIAL INTERACTIONS IN A NORTHERN HARDWOOD FOREST. <i>Ecology</i> , 2001, 82, 965-978.	3.2	135
58	Merging aquatic and terrestrial perspectives of nutrient biogeochemistry. <i>Oecologia</i> , 2003, 137, 485-501.	2.0	134
59	A Watershed Nitrogen and Phosphorus Balance: The Upper Potomac River Basin. <i>Estuaries and Coasts</i> , 1992, 15, 83.	1.7	133
60	Streamflow distribution of non-point source nitrogen export from urban-rural catchments in the Chesapeake Bay watershed. <i>Water Resources Research</i> , 2008, 44, .	4.2	133
61	Earthworm abundance and nitrogen mineralization rates along an urban-rural land use gradient. <i>Soil Biology and Biochemistry</i> , 1997, 29, 427-430.	8.8	130
62	Soil O ₂ controls denitrification rates and N ₂ O yield in a riparian wetland. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	127
63	The engaged university: providing a platform for research that transforms society. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 314-321.	4.0	126
64	CH ₄ uptake and N availability in forest soils along an urban to rural gradient. <i>Soil Biology and Biochemistry</i> , 1995, 27, 281-286.	8.8	125
65	Freezing Effects on Carbon and Nitrogen Cycling in Northern Hardwood Forest Soils. <i>Soil Science Society of America Journal</i> , 2001, 65, 1723-1730.	2.2	122
66	Nitrogen oxide gas emissions from temperate forest soils receiving long-term nitrogen inputs. <i>Global Change Biology</i> , 2003, 9, 346-357.	9.5	122
67	Snow depth, soil freezing and nitrogen cycling in a northern hardwood forest landscape. <i>Biogeochemistry</i> , 2011, 102, 223-238.	3.5	122
68	Litter as a regulator of N and C dynamics in macrophytic patches in Negev desert soils. <i>Soil Biology and Biochemistry</i> , 1996, 28, 39-46.	8.8	121
69	Patchiness in Microbial Nitrogen Transformations in Groundwater in a Riparian Forest. <i>Journal of Environmental Quality</i> , 1998, 27, 156-164.	2.0	120
70	Climate Variation and Soil Carbon and Nitrogen Cycling Processes in a Northern Hardwood Forest. <i>Ecosystems</i> , 2009, 12, 927-943.	3.4	117
71	Plant rhizospheric N processes: what we don't know and why we should care. <i>Ecology</i> , 2009, 90, 1512-1519.	3.2	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.	4.9	117

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73	Land use context and natural soil controls on plant community composition and soil nitrogen and carbon dynamics in urban and rural forests. <i>Forest Ecology and Management</i> , 2006, 236, 177-192.	3.2	115
74	Denitrification Potential in Stormwater Control Structures and Natural Riparian Zones in an Urban Landscape. <i>Environmental Science & Technology</i> , 2012, 46, 10909-10917.	10.0	113
75	Carbon cycling in soil. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 522-528.	4.0	111
76	Denitrification in Grass and Forest Vegetated Filter Strips. <i>Journal of Environmental Quality</i> , 1991, 20, 671-674.	2.0	108
77	Microbial Nitrate Processing in Shallow Groundwater in a Riparian Forest. <i>Journal of Environmental Quality</i> , 1996, 25, 1309-1316.	2.0	108
78	Nitrogen fixation in macro- and microphytic patches in the Negev desert. <i>Soil Biology and Biochemistry</i> , 1998, 30, 449-454.	8.8	108
79	Relationships between denitrification, CO ₂ production and air-filled porosity in soils of different texture and drainage. <i>Soil Biology and Biochemistry</i> , 1991, 23, 299-302.	8.8	107
80	Effects of soil freezing on fine roots in a northern hardwood forest. <i>Canadian Journal of Forest Research</i> , 2008, 38, 82-91.	1.7	106
81	Nitrogen Dynamics in Ice Storm-Damaged Forest Ecosystems: Implications for Nitrogen Limitation Theory. <i>Ecosystems</i> , 2003, 6, 431-443.	3.4	105
82	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.	5.4	105
83	Nitrogen uptake and denitrification in restored and unrestored streams in urban Maryland, USA. <i>Aquatic Sciences</i> , 2009, 71, 411-424.	1.5	104
84	Exotic Earthworm Invasion and Microbial Biomass in Temperate Forest Soils. <i>Ecosystems</i> , 2004, 7, 45-54.	3.4	103
85	Land use change and soil nutrient transformations in the Los Haitises region of the Dominican Republic. <i>Soil Biology and Biochemistry</i> , 2005, 37, 215-225.	8.8	100
86	Evidence, causes, and consequences of declining nitrogen availability in terrestrial ecosystems. <i>Science</i> , 2022, 376, eabh3767.	12.6	100
87	Evaluating annual nitrous oxide fluxes at the ecosystem scale. <i>Global Biogeochemical Cycles</i> , 2000, 14, 1061-1070.	4.9	99
88	Denitrification Potential, Root Biomass, and Organic Matter in Degraded and Restored Urban Riparian Zones. <i>Restoration Ecology</i> , 2010, 18, 113-120.	2.9	99
89	In Situ Push-Pull Method to Determine Ground Water Denitrification in Riparian Zones. <i>Journal of Environmental Quality</i> , 2002, 31, 1017-1024.	2.0	98
90	Denitrification in a Tallgrass Prairie Landscape. <i>Ecology</i> , 1993, 74, 855-862.	3.2	96

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91	Grass species and soil type effects on microbial biomass and activity. <i>Plant and Soil</i> , 1996, 183, 61-67.	3.7	96
92	Nitrogen dynamics in conventional and no-tillage agroecosystems with inorganic fertilizer or legume nitrogen inputs. <i>Plant and Soil</i> , 1987, 97, 315-332.	3.7	95
93	The fate of nitrogen in gypsy moth frass deposited to an oak forest floor. <i>Oecologia</i> , 2002, 131, 444-452.	2.0	93
94	Earthworm Invasion, Fine-root Distributions, and Soil Respiration in North Temperate Forests. <i>Ecosystems</i> , 2004, 7, 55-62.	3.4	93
95	Variation in Microbial Biomass and Activity in Four Different Wetland Types. <i>Soil Science Society of America Journal</i> , 1996, 60, 622-629.	2.2	89
96	Soil and Sediment Biodiversity. <i>BioScience</i> , 1999, 49, 139.	4.9	88
97	Nitrogen Deposition in and near an Urban Ecosystem. <i>Environmental Science & Technology</i> , 2013, 47, 6047-6051.	10.0	88
98	Winter climate change affects growing-season soil microbial biomass and activity in northern hardwood forests. <i>Global Change Biology</i> , 2014, 20, 3568-3577.	9.5	87
99	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.	7.1	85
100	Nitrous oxide production in riparian zones and groundwater. <i>Nutrient Cycling in Agroecosystems</i> , 1998, 52, 179-186.	2.2	83
101	DYNAMICS OF NITROGEN AND DISSOLVED ORGANIC CARBON AT THE HUBBARD BROOK EXPERIMENTAL FOREST. <i>Ecology</i> , 2007, 88, 1153-1166.	3.2	83
102	Spatial and Temporal Variation in Groundwater Nitrate Removal in a Riparian Forest. <i>Journal of Environmental Quality</i> , 1995, 24, 691-699.	2.0	82
103	Effects of Exotic Earthworms on Soil Phosphorus Cycling in Two Broadleaf Temperate Forests. <i>Ecosystems</i> , 2004, 7, 28-44.	3.4	82
104	Continental-scale homogenization of residential lawn plant communities. <i>Landscape and Urban Planning</i> , 2017, 165, 54-63.	7.5	82
105	Nitrification and Denitrification in Conventional and No-Tillage Soils. <i>Soil Science Society of America Journal</i> , 1985, 49, 329-334.	2.2	81
106	Leaching of dissolved organic carbon, dissolved organic nitrogen, and other solutes from coarse woody debris and litter in a mixed forest in New York State. <i>Biogeochemistry</i> , 2005, 74, 257-282.	3.5	80
107	Nitrogen oligotrophication in northern hardwood forests. <i>Biogeochemistry</i> , 2018, 141, 523-539.	3.5	80
108	Gross nitrogen process rates in temperate forest soils exhibiting symptoms of nitrogen saturation. <i>Forest Ecology and Management</i> , 2004, 196, 129-142.	3.2	79

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109	The Contribution of Crab Burrow Excavation to Carbon Availability in Surficial Salt-marsh Sediments. <i>Ecosystems</i> , 2006, 9, 647-658.	3.4	79
110	Calcium Additions and Microbial Nitrogen Cycle Processes in a Northern Hardwood Forest. <i>Ecosystems</i> , 2006, 9, 1289-1305.	3.4	77
111	A social-ecological-technological systems framework for urban ecosystem services. <i>One Earth</i> , 2022, 5, 505-518.	6.8	77
112	Factors Regulating Denitrification in a Riparian Wetland. <i>Soil Science Society of America Journal</i> , 2010, 74, 1826-1833.	2.2	76
113	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.	10.0	76
114	Methane Uptake in Urban Forests and Lawns. <i>Environmental Science & Technology</i> , 2009, 43, 5229-5235.	10.0	75
115	Invasive earthworm species and nitrogen cycling in remnant forest patches. <i>Applied Soil Ecology</i> , 2006, 32, 54-62.	4.3	74
116	Denitrification in Alluvial Wetlands in an Urban Landscape. <i>Journal of Environmental Quality</i> , 2011, 40, 634-646.	2.0	74
117	Dynamics of nitrate concentration–discharge patterns in an urban watershed. <i>Water Resources Research</i> , 2017, 53, 7349-7365.	4.2	74
118	Solving the global nitrogen problem: it's a gas!. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 199-206.	4.0	72
119	Nitrogen Dynamics at the Groundwater–Surface Water Interface of a Degraded Urban Stream. <i>Journal of Environmental Quality</i> , 2010, 39, 810-823.	2.0	72
120	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, 3854-3863.	9.5	72
121	Earthworms increase soil microbial biomass carrying capacity and nitrogen retention in northern hardwood forests. <i>Soil Biology and Biochemistry</i> , 2015, 87, 51-58.	8.8	71
122	Transport of Carbon and Nitrogen Between Litter and Soil Organic Matter in a Northern Hardwood Forest. <i>Ecosystems</i> , 2011, 14, 326-340.	3.4	69
123	Ecological homogenization of residential macrosystems. <i>Nature Ecology and Evolution</i> , 2017, 1, 191.	7.8	69
124	Homogenization of plant diversity, composition, and structure in North American urban yards. <i>Ecosphere</i> , 2018, 9, e02105.	2.2	68
125	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. <i>Ecosphere</i> , 2016, 7, e01251.	2.2	67
126	“Accidental” urban wetlands: ecosystem functions in unexpected places. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 248-256.	4.0	65

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127	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.	10.0	64
128	Spatial Distribution of Carbon in the Subsurface of Riparian Zones. <i>Soil Science Society of America Journal</i> , 2009, 73, 1733-1740.	2.2	63
129	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.	8.8	63
130	Moving Towards a New Urban Systems Science. <i>Ecosystems</i> , 2017, 20, 38-43.	3.4	63
131	Towards closing the watershed nitrogen budget: Spatial and temporal scaling of denitrification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1105-1119.	3.0	62
132	Terrestrial denitrification: challenges and opportunities. <i>Ecological Processes</i> , 2012, 1, .	3.9	60
133	Urban ecology: advancing science and society. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 574-581.	4.0	60
134	Side-swiped: ecological cascades emanating from earthworm invasions. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 502-510.	4.0	60
135	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.	3.0	59
136	Chemical, Physical, and Biological Characteristics of Urban Soils. <i>Agronomy</i> , 0, , 119-152.	0.2	59
137	Denitrification capacity in a subterranean estuary below a Rhode Island fringing salt marsh. <i>Estuaries and Coasts</i> , 2005, 28, 896-908.	1.7	58
138	Effects of Land Use and Vegetation Cover on Soil Temperature in an Urban Ecosystem. <i>Soil Science Society of America Journal</i> , 2010, 74, 469-480.	2.2	58
139	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, 16413-16418.	7.1	58
140	Microbially available carbon in buried riparian soils in a glaciated landscape. <i>Soil Biology and Biochemistry</i> , 2008, 40, 85-96.	8.8	57
141	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.	8.0	55
142	Exploring carbon flow through the root channel in a temperate forest soil food web. <i>Soil Biology and Biochemistry</i> , 2014, 76, 45-52.	8.8	54
143	Mechanisms driving the seasonality of catchment scale nitrate export: Evidence for riparian ecohydrologic controls. <i>Water Resources Research</i> , 2015, 51, 3982-3997.	4.2	54
144	Soil denitrification fluxes from three northeastern North American forests across a range of nitrogen deposition. <i>Oecologia</i> , 2015, 177, 17-27.	2.0	54

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145	Chloride Effects on Nitrogen Dynamics in Forested and Suburban Stream Debris Dams. <i>Journal of Environmental Quality</i> , 2006, 35, 2425-2432.	2.0	53
146	Denitrification in Suburban Lawn Soils. <i>Journal of Environmental Quality</i> , 2011, 40, 1932-1940.	2.0	52
147	Comparing Microbial Parameters in Natural and Constructed Wetlands. <i>Journal of Environmental Quality</i> , 1994, 23, 298-305.	2.0	51
148	High Nitrate Retention during Winter in Soils of the Hubbard Brook Experimental Forest. <i>Ecosystems</i> , 2007, 10, 217-225.	3.4	51
149	Direct flux and ¹⁵ N tracer methods for measuring denitrification in forest soils. <i>Biogeochemistry</i> , 2014, 117, 359-373.	3.5	51
150	Soil microbial biomass and activity in tropical riparian forests. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1339-1348.	8.8	50
151	Landscape versus ungulate control of gross mineralization and gross nitrification in semi-arid grasslands of Yellowstone National Park. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1691-1699.	8.8	49
152	Effects of <i>Phragmites australis</i> removal on marsh nutrient cycling. <i>Wetlands Ecology and Management</i> , 2003, 11, 157-165.	1.5	49
153	Soil nitrogen cycling under litter and coarse woody debris in a mixed forest in New York State. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2159-2162.	8.8	49
154	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.	8.8	49
155	Wetland Denitrification: Influence of Site Quality and Relationships with Wetland Delineation Protocols. <i>Soil Science Society of America Journal</i> , 1997, 61, 323-329.	2.2	48
156	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.	3.4	48
157	Regional scale analysis of denitrification in north temperate forest soils. <i>Landscape Ecology</i> , 1992, 7, 45-53.	4.2	47
158	Denitrification Enzyme Activity of Fringe Salt Marshes in New England (USA). <i>Journal of Environmental Quality</i> , 2004, 33, 1144.	2.0	47
159	Variable nitrate concentrationâ€“discharge relationships in a forested watershed. <i>Hydrological Processes</i> , 2017, 31, 1817-1824.	2.6	47
160	Muskrat (<i>Ondatra zibethicus</i>) Disturbance to Vegetation and Potential Net Nitrogen Mineralization and Nitrification Rates in a Freshwater Tidal Marsh. <i>American Midland Naturalist</i> , 2000, 143, 53-63.	0.4	46
161	The role of interface organizations in science communication and understanding. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 306-313.	4.0	46
162	Winter climate change effects on soil C and N cycles in urban grasslands. <i>Global Change Biology</i> , 2013, 19, 2826-2837.	9.5	46

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