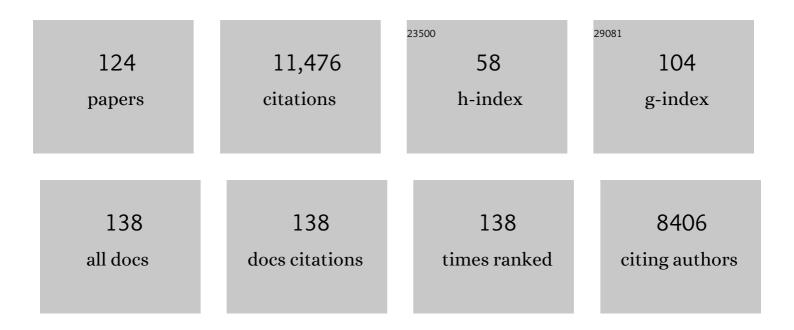
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Nitrogen deposition makes a minor contribution to carbon sequestration in temperate forests. Nature, 1999, 398, 145-148.	13.7	676
2	Impact of nitrogen deposition on nitrogen cycling in forests: a synthesis of NITREX data. Forest Ecology and Management, 1998, 101, 37-55.	1.4	536
3	Carbon and nitrogen in forest floor and mineral soil under six common European tree species. Forest Ecology and Management, 2008, 255, 35-48.	1.4	438
4	Change in soil organic carbon following afforestation of former arable land. Forest Ecology and Management, 2002, 169, 137-147.	1.4	387
5	Nitrogen addition reduces soil respiration in a mature tropical forest in southern China. Global Change Biology, 2008, 14, 403-412.	4.2	382
6	Effects of phosphorus addition on soil microbial biomass and community composition in three forest types in tropical China. Soil Biology and Biochemistry, 2012, 44, 31-38.	4.2	379
7	Nitrate leaching in forest ecosystems is related to forest floor CN ratios. Environmental Pollution, 1998, 102, 403-407.	3.7	378
8	Leaching of nitrate from temperate forests – effects of air pollution and forest management. Environmental Reviews, 2006, 14, 1-57.	2.1	335
9	The impact of nitrogen deposition on carbon sequestration by European forests and heathlands. Forest Ecology and Management, 2009, 258, 1814-1823.	1.4	309
10	Do tree species influence soil carbon stocks in temperate and boreal forests?. Forest Ecology and Management, 2013, 309, 4-18.	1.4	296
11	Nitrogen input together with ecosystem nitrogen enrichment predict nitrate leaching from European forests. Global Change Biology, 2002, 8, 1028-1033.	4.2	272
12	Soil CN ratio as a scalar parameter to predict nitrous oxide emissions. Global Change Biology, 2005, 11, 1142-1147.	4.2	251
13	The impact of nitrogen deposition on carbon sequestration in European forests and forest soils. Global Change Biology, 2006, 12, 1151-1173.	4.2	250
14	Novel Approaches to Study Climate Change Effects on Terrestrial Ecosystems in the Field: Drought and Passive Nighttime Warming. Ecosystems, 2004, 7, 583.	1.6	232
15	Sinks for nitrogen inputs in terrestrial ecosystems: a metaâ€analysis of ¹⁵ N tracer field studies. Ecology, 2012, 93, 1816-1829.	1.5	192
16	Regional Assessment of N Saturation using Foliar and Root \$\$varvec {delta}^{f 15}{f N}\$\$. Biogeochemistry, 2006, 80, 143-171.	1.7	172
17	Soil carbon stock change following afforestation in Northern Europe: a metaâ€∎nalysis. Global Change Biology, 2014, 20, 2393-2405.	4.2	172
18	Natural abundance of 15N in forests across a nitrogen deposition gradient. Forest Ecology and Management, 1998, 101, 9-18.	1.4	164

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19	Input and output of dissolved organic and inorganic nitrogen in subtropical forests of South China under high air pollution. Biogeosciences, 2008, 5, 339-352.	1.3	159
20	How Forest Management affects Ecosystem Services, including Timber Production and Economic Return: Synergies and Trade-Offs. Ecology and Society, 2012, 17, .	1.0	154
21	Predicting the Effects of Atmospheric Nitrogen Deposition in Conifer Stands: Evidence from the NITREX Ecosystem-Scale Experiments. Ecosystems, 1998, 1, 352-360.	1.6	153
22	Dramatic changes in ectomycorrhizal community composition, root tip abundance and mycelial production along a standâ€scale nitrogen deposition gradient. New Phytologist, 2012, 194, 278-286.	3.5	149
23	Synthesis of Nitrogen Pools and Fluxes from European Forest Ecosystems. Water, Air, and Soil Pollution, 1998, 105, 143-154.	1.1	147
24	Exploring the role of ectomycorrhizal fungi in soil carbon dynamics. New Phytologist, 2019, 223, 33-39.	3.5	147
25	The fate of 15N-labelled nitrogen deposition in coniferous forest ecosystems. Forest Ecology and Management, 1998, 101, 19-27.	1.4	141
26	Ecologically implausible carbon response?. Nature, 2008, 451, E1-E3.	13.7	141
27	Vegetation and soil biota response to experimentally-changed nitrogen inputs in coniferous forest ecosystems of the NITREX project. Forest Ecology and Management, 1998, 101, 65-79.	1.4	136
28	Litterfall and nutrient return in five tree species in a common garden experiment. Forest Ecology and Management, 2009, 257, 2133-2144.	1.4	129
29	Spatial variability of throughfall fluxes in a spruce forest. Environmental Pollution, 1993, 81, 257-267.	3.7	124
30	Interactive Effects of Nitrogen and Phosphorus on Soil Microbial Communities in a Tropical Forest. PLoS ONE, 2013, 8, e61188.	1.1	120
31	Throughfall Nitrogen Deposition Has Different Impacts on Soil Solution Nitrate Concentration in European Coniferous and Deciduous Forests. Ecosystems, 2004, 7, 180.	1.6	117
32	Carbon and nitrogen cycles in European ecosystems respond differently to global warmingâ~†. Science of the Total Environment, 2008, 407, 692-697.	3.9	117
33	Title is missing!. Plant and Soil, 2003, 249, 319-330.	1.8	115
34	Effects of enhanced nitrogen deposition in a spruce forest at Klosterhede, Denmark, examined by moderate NH4NO3 addition. Forest Ecology and Management, 1998, 101, 251-268.	1.4	103
35	Atmospheric deposition to the edge of a spruce forest in Denmark. Environmental Pollution, 1989, 60, 257-271.	3.7	97
36	Influence of different tree-harvesting intensities on forest soil carbon stocks in boreal and northern temperate forest ecosystems. Forest Ecology and Management, 2015, 351, 9-19.	1.4	97

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37	Input-output budgets at the NITREX sites. Forest Ecology and Management, 1998, 101, 57-64.	1.4	90
38	Nitrogen leaching in response to increased nitrogen inputs in subtropical monsoon forests in southern China. Forest Ecology and Management, 2009, 257, 332-342.	1.4	90
39	Nitrification in Forest Soils: Effects from Nitrogen Deposition on Soil Acidification and Aluminum Release. Reviews of Environmental Contamination and Toxicology, 1990, , 1-45.	0.7	85
40	Nitrogen deposition and the forest nitrogen cycle: role of denitrification. Forest Ecology and Management, 1991, 44, 15-28.	1.4	84
41	Nitrogen mobility in a nitrogen limited forest at Klosterhede, Denmark, examined by NH4NO3 addition. Forest Ecology and Management, 1995, 71, 75-88.	1.4	83
42	Nutrient and carbon budgets in forest soils as decision support in sustainable forest management. Forest Ecology and Management, 2007, 238, 167-174.	1.4	81
43	Environmental Services Provided from Riparian Forests in the Nordic Countries. Ambio, 2010, 39, 555-566.	2.8	81
44	Atmospheric deposition and leaching of nitrogen in Chinese forest ecosystems. Journal of Forest Research, 2011, 16, 341-350.	0.7	81
45	Soil Solution Chemistry and Element Fluxes in Three European Heathlands and Their Responses to Warming and Drought. Ecosystems, 2004, 7, 638.	1.6	79
46	Nitrogen deposition and leaching in European forests ? Preliminary results from a data compilation. Water, Air, and Soil Pollution, 1995, 85, 1179-1184.	1.1	78
47	Large Loss of Dissolved Organic Nitrogen from Nitrogen-Saturated Forests in Subtropical China. Ecosystems, 2009, 12, 33-45.	1.6	77
48	Nitrogen processes in terrestrial ecosystems. , 2011, , 99-125.		77
49	NITREX: responses of coniferous forest ecosystems to experimentally changed deposition of nitrogen. Forest Ecology and Management, 1995, 71, 163-169.	1.4	76
50	Experimental design of multifactor climate change experiments with elevated CO ₂ , warming and drought: the CLIMAITE project. Functional Ecology, 2008, 22, 185-195.	1.7	75
51	Do indicators of nitrogen retention and leaching differ between coniferous and broadleaved forests in Denmark?. Forest Ecology and Management, 2009, 258, 1137-1146.	1.4	75
52	The response of methane and nitrous oxide fluxes to forest change in Europe. Biogeosciences, 2012, 9, 3999-4012.	1.3	74
53	Effects of simulated N deposition on foliar nutrient status, N metabolism and photosynthetic capacity of three dominant understory plant species in a mature tropical forest. Science of the Total Environment, 2018, 610-611, 555-562.	3.9	71
54	Seedling growth response of two tropical tree species to nitrogen deposition in southern China. European Journal of Forest Research, 2008, 127, 275-283.	1.1	66

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55	Old-growth forest carbon sinks overestimated. Nature, 2021, 591, E21-E23.	13.7	65
56	Concentration variations in rain and canopy throughfall collected sequentially during individual rain events. Atmospheric Environment, 1994, 28, 3195-3205.	1.9	64
57	Nitrogen saturation experiments (NITREX) in coniferous forest ecosystems in Europe: a summary of results. Environmental Pollution, 1998, 102, 433-437.	3.7	64
58	Soil carbon accumulation and nitrogen retention traits of four tree species grown in common gardens. Forest Ecology and Management, 2013, 309, 47-57.	1.4	64
59	Methane uptake responses to nitrogen deposition in three tropical forests in southern China. Journal of Geophysical Research, 2008, 113, .	3.3	61
60	Soil–atmosphere exchange of N2O, CO2 and CH4 along a slope of an evergreen broad-leaved forest in southern China. Plant and Soil, 2009, 319, 37-48.	1.8	61
61	Effects of nitrogen and phosphorus additions on soil microbial biomass and community structure in two reforested tropical forests. Scientific Reports, 2015, 5, 14378.	1.6	60
62	Strong gradients in nitrogen and carbon stocks at temperate forest edges. Forest Ecology and Management, 2016, 376, 45-58.	1.4	56
63	Geothermal ecosystems as natural climate change experiments: The ForHot research site in Iceland as a case study. Icelandic Agricultural Sciences, 0, 29, 53-71.	0.0	55
64	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink. Nature Communications, 2022, 13, 880.	5.8	55
65	High retention of ¹⁵ N″abeled nitrogen deposition in a nitrogen saturated oldâ€growth tropical forest. Global Change Biology, 2016, 22, 3608-3620.	4.2	53
66	Afforestation effects on <scp>SOC</scp> in former cropland: oak and spruce chronosequences resampled after 13Âyears. Global Change Biology, 2014, 20, 2938-2952.	4.2	50
67	A new method for estimation of dry deposition of particles based on throughfall measurements in a forest edge. Atmospheric Environment Part A General Topics, 1992, 26, 1553-1559.	1.3	49
68	Nitrate concentrations in soil solutions below Danish forests. Forest Ecology and Management, 1999, 114, 71-82.	1.4	48
69	Effects of long-term nitrogen addition on phosphorus cycling in organic soil horizons of temperate forests. Biogeochemistry, 2018, 141, 167-181.	1.7	48
70	Sequestration of carbon in the humus layer of Swedish forests — direct measurements. Canadian Journal of Forest Research, 2009, 39, 962-975.	0.8	46
71	Nitrate leaching from three afforestation chronosequences on former arable land in Denmark. Global Change Biology, 2007, 13, 1250-1264.	4.2	45
72	Nitrous oxide and methane exchange in two small temperate forest catchments—effects of hydrological gradients and implications for global warming potentials of forest soils. Biogeochemistry, 2012, 107, 437-454.	1.7	42

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73	Exceedance of critical loads and of critical limits impacts tree nutrition across Europe. Annals of Forest Science, 2015, 72, 929-939.	0.8	39
74	Changes in microbial activities and biomasses over a forest floor gradient in C-to-N ratio. Plant and Soil, 2012, 355, 75-86.	1.8	37
75	Stand age and tree species affect N ₂ O and CH ₄ exchange from afforested soils. Biogeosciences, 2011, 8, 2535-2546.	1.3	35
76	Experimental manipulation of forest ecosystems: lessons from large roof experiments. Forest Ecology and Management, 1998, 101, 339-352.	1.4	34
77	Experimental manipulation of water and nutrient input to a Norway spruce plantation at Klosterhede, Denmark. Plant and Soil, 1995, 168-169, 613-622.	1.8	33
78	Vertical Redistribution of Soil Organic Carbon Pools After Twenty Years of Nitrogen Addition in Two Temperate Coniferous Forests. Ecosystems, 2019, 22, 379-400.	1.6	33
79	Nitrate leaching in coniferous forest ecosystems: The European Field-Scale Manipulation Experiments NITREX (Nitrogen Saturation Experiments) and EXMAN (Experimental Manipulation of Forest) Tj ETQq1 1 0.784	31 4. ggBT /	Ov ad ock 10 T
80	Role of six European tree species and landâ€use legacy for nitrogen and water budgets in forests. Global Change Biology, 2010, 16, 2224-2240.	4.2	32
81	Mycorrhizal association of common European tree species shapes biomass and metabolic activity of bacterial and fungal communities in soil. Soil Biology and Biochemistry, 2020, 149, 107933.	4.2	31
82	The natural abundance of 15N in litter and soil profiles under six temperate tree species: N cycling depends on tree species traits and site fertility. Plant and Soil, 2013, 368, 375-392.	1.8	30
83	Long-term field comparison of ceramic and poly(tetrafluoroethene) porous cup soil water samplers. Environmental Science & Technology, 1992, 26, 2005-2011.	4.6	29
84	Experimental manipulations of water and nutrient input to a Norway spruce plantation at Klosterhede, Denmark. Plant and Soil, 1995, 168-169, 601-611.	1.8	29
85	Response of Nitrogen Leaching to Nitrogen Deposition in Disturbed and Mature Forests of Southern China. Pedosphere, 2009, 19, 111-120.	2.1	29
86	Influence of hydromorphic soil conditions on greenhouse gas emissions and soil carbon stocks in a Danish temperate forest. Forest Ecology and Management, 2012, 284, 185-195.	1.4	29
87	Fates of atmospheric deposited nitrogen in an Asian tropical primary forest. Forest Ecology and Management, 2018, 411, 213-222.	1.4	29
88	Dynamics of soil inorganic nitrogen and their responses to nitrogen additions in three subtropical forests, south China. Journal of Environmental Sciences, 2006, 18, 752-9.	3.2	29
89	Nitrex: The timing of response of coniferous forest ecosystems to experimentally-changed nitrogen deposition. Water, Air, and Soil Pollution, 1995, 85, 1623-1628.	1.1	27
90	Conversion of cropland to forest increases soil CH4 oxidation and abundance of CH4 oxidizing bacteria with stand age. Applied Soil Ecology, 2014, 79, 49-58.	2.1	27

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91	Response of soil fauna to simulated nitrogen deposition: A nursery experiment in subtropical China. Journal of Environmental Sciences, 2007, 19, 603-609.	3.2	25
92	Analyzing the hydrological impact of afforestation and tree species in two catchments with contrasting soil properties using the spatially distributed model MIKE SHE SWET. Agricultural and Forest Meteorology, 2017, 239, 118-133.	1.9	22
93	Experimental manipulations of water and nutrient input to a Norway spruce plantation at Klosterhede, Denmark. Plant and Soil, 1995, 168-169, 623-632.	1.8	21
94	Water quality improvements from afforestation in an agricultural catchment in Denmark illustrated with the INCA model. Hydrology and Earth System Sciences, 2004, 8, 764-777.	1.9	21
95	Resistant Soil Microbial Communities Show Signs of Increasing Phosphorus Limitation in Two Temperate Forests After Long-Term Nitrogen Addition. Frontiers in Forests and Global Change, 2019, 2,	1.0	21
96	Nitrogen input ¹⁵ N signatures are reflected in plant ¹⁵ N natural abundances in subtropical forests in China. Biogeosciences, 2017, 14, 2359-2370.	1.3	18
97	Altered microbial communities and nitrogen availability in temperate forest edges. Soil Biology and Biochemistry, 2018, 116, 179-188.	4.2	18
98	Fate of atmospherically deposited <scp>NH</scp> ₄ ⁺ and <scp>NO</scp> ₃ ^{â^`} in two temperate forests in China: temporal pattern and redistribution. Ecological Applications, 2019, 29, e01920.	1.8	17
99	Changes in soil water balance following afforestation of former arable soils in Denmark as evaluated using the DAISY model. Journal of Hydrology, 2013, 484, 128-139.	2.3	16
100	Dynamics and multiâ€annual fate of atmospherically deposited nitrogen in montane tropical forests. Global Change Biology, 2021, 27, 2076-2087.	4.2	16
101	Comparing biomass and nutrient removals of stems and fresh and predried whole trees in thinnings in two Norway spruce experiments. Canadian Journal of Forest Research, 2008, 38, 2660-2673.	0.8	15
102	Carbon sequestration rates in Swedish forest soils – a comparison of three approaches. Silva Fennica, 2007, 41, .	0.5	11
103	Forest Ecosystem Responses to Atmospheric Pollution: Linking Comparative With Experimental Studies. Water, Air and Soil Pollution, 2004, 4, 207-220.	0.8	10
104	Decadal fates and impacts of nitrogen additions on temperate forest carbon storage: a data–model comparison. Biogeosciences, 2019, 16, 2771-2793.	1.3	10
105	Negative effects of long-term phosphorus additions on understory plants in a primary tropical forest. Science of the Total Environment, 2021, 798, 149306.	3.9	10
106	Unexpected high retention of ¹⁵ N″abeled nitrogen in a tropical legume forest under longâ€ŧerm nitrogen enrichment. Global Change Biology, 2022, 28, 1529-1543.	4.2	10
107	The long-term fate of deposited nitrogen in temperate forest soils. Biogeochemistry, 2020, 150, 1-15.	1.7	8
108	Nitrogen Cycling in a Norway Spruce Plantation in Denmark — A SOILN Model Application Including Organic N Uptake. Scientific World Journal, The, 2001, 1, 394-406.	0.8	6

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109	Edge effects in temperate forests subjected to high nitrogen deposition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7032.	3.3	6
110	Design and performance of an ecosystemâ€scale forest soil warming experiment with infrared heater arrays. Methods in Ecology and Evolution, 2022, 13, 2065-2077.	2.2	6
111	Water Balance in Afforestation Chronosequences of Common Oak and Norway Spruce on Former Arable Soils in Denmark as Evaluated Using the DAISY Model. Procedia Environmental Sciences, 2013, 19, 217-223.	1.3	4
112	Species Differences in Nitrogen Acquisition in Humid Subtropical Forest Inferred From 15N Natural Abundance and Its Response to Tracer Addition. Forests, 2019, 10, 991.	0.9	4
113	Retention and partitioning of 15N-labeled deposited N in a tropical plantation forest. Biogeochemistry, 2021, 152, 237-251.	1.7	4
114	Experimental manipulations of water and nutrient input to a Norway spruce plantation at Klosterhede, Denmark. , 1995, , 601-611.		4
115	Nitrogen and Carbon Interactions of Forest Soil Water. Ecological Studies, 2000, , 332-340.	0.4	3
116	Nitrate leaching in forest ecosystems is related to forest floor C/N ratios. , 1998, , 403-407.		3
117	Nitrogen saturation experiments (NITREX) in coniferous forest ecosystems in Europe: a summary of results. , 1998, , 433-437.		3
118	Nitrogen deposition and carbon sequestration. Nature, 1999, 400, 630-630.	13.7	2
119	Guidelines for Planning Afforestation of Former Arable Land. , 2007, , 249-291.		2
120	Synthesis of Nitrogen Pools and Fluxes from European Forest Ecosystems. , 1998, , 143-154.		2
121	How much carbon is sequestrated in forest soils? Is it enhanced by nitrogen deposition and for how long?. IOP Conference Series: Earth and Environmental Science, 2009, 6, 082013.	0.2	1
122	Corrigendum to "Stand age and tree species affect N ₂ O and CH ₄ exchange from afforested soils" published in Biogeosciences, 8, 2535–2546, 2011. Biogeosciences, 2012, 9, 269-270.	1.3	0
123	Forest Ecosystem Responses to Atmospheric Pollution: Linking Comparative with Experimental Studies. , 2004, , 207-220.		0
124	Experimental manipulation of water and nutrient input to a Norway spruce plantation at Klosterhede, Denmark. , 1995, , 613-622.		0