

Peter Hgberg

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149
papers

18,239
citations

63
h-index

134
g-index

151
ext. papers

19,887
ext. citations

7.2
avg, IF

6.65
L-index

#	Paper	IF	Citations
149	Large-scale forest girdling shows that current photosynthesis drives soil respiration. <i>Nature</i> , 2001 , 411, 789-92	50.4	1473
148	Plant diversity and productivity experiments in european grasslands. <i>Science</i> , 1999 , 286, 1123-7	33.3	1472
147	The global carbon cycle: a test of our knowledge of earth as a system. <i>Science</i> , 2000 , 290, 291-6	33.3	1294
146	Tansley Review No. 95 N natural abundance in soil-plant systems. <i>New Phytologist</i> , 1997 , 137, 179-203	9.8	1274
145	Boreal forest plants take up organic nitrogen. <i>Nature</i> , 1998 , 392, 914-916	50.4	798
144	Spatial separation of litter decomposition and mycorrhizal nitrogen uptake in a boreal forest. <i>New Phytologist</i> , 2007 , 173, 611-620	9.8	658
143	Is microbial community composition in boreal forest soils determined by pH, C-to-N ratio, the trees, or all three?. <i>Oecologia</i> , 2007 , 150, 590-601	2.9	501
142	Towards a more plant physiological perspective on soil ecology. <i>Trends in Ecology and Evolution</i> , 2006 , 21, 548-54	10.9	431
141	Extramatrix ectomycorrhizal mycelium contributes one-third of microbial biomass and produces, together with associated roots, half the dissolved organic carbon in a forest soil. <i>New Phytologist</i> , 2002 , 154, 791-795	9.8	397
140	ECOSYSTEM EFFECTS OF BIODIVERSITY MANIPULATIONS IN EUROPEAN GRASSLANDS. <i>Ecological Monographs</i> , 2005 , 75, 37-63	9	383
139	Natural abundance of C in CO respired from forest soils reveals speed of link between tree photosynthesis and root respiration. <i>Oecologia</i> , 2001 , 127, 305-308	2.9	361
138	Tree growth and soil acidification in response to 30 years of experimental nitrogen loading on boreal forest. <i>Global Change Biology</i> , 2006 , 12, 489-499	11.4	317
137	High temporal resolution tracing of photosynthate carbon from the tree canopy to forest soil microorganisms. <i>New Phytologist</i> , 2008 , 177, 220-228	9.8	285
136	Quantification of effects of season and nitrogen supply on tree below-ground carbon transfer to ectomycorrhizal fungi and other soil organisms in a boreal pine forest. <i>New Phytologist</i> , 2010 , 187, 485-493	9.8	274
135	Nitrogen isotopes link mycorrhizal fungi and plants to nitrogen dynamics. <i>New Phytologist</i> , 2012 , 196, 367-382	9.8	256
134	Tree root and soil heterotrophic respiration as revealed by girdling of boreal Scots pine forest: extending observations beyond the first year. <i>Plant, Cell and Environment</i> , 2003 , 26, 1287-1296	8.4	248
133	Fertilization of boreal forest reduces both autotrophic and heterotrophic soil respiration. <i>Global Change Biology</i> , 2005 , 11, 1745-1753	11.4	221

132	Soil nitrogen form and plant nitrogen uptake along a boreal forest productivity gradient. <i>Oecologia</i> , 2001 , 129, 125-132	2.9	216
131	Fertile forests produce biomass more efficiently. <i>Ecology Letters</i> , 2012 , 15, 520-6	10	211
130	N abundance of surface soils, roots and mycorrhizas in profiles of European forest soils. <i>Oecologia</i> , 1996 , 108, 207-214	2.9	197
129	Insects affect relationships between plant species richness and ecosystem processes. <i>Ecology Letters</i> , 1999 , 2, 237-246	10	192
128	A synthesis: The role of nutrients as constraints on carbon balances in boreal and arctic regions. <i>Plant and Soil</i> , 2002 , 242, 163-170	4.2	191
127	Does atmospheric deposition of nitrogen threaten Swedish forests?. <i>Forest Ecology and Management</i> , 1997 , 92, 119-152	3.9	178
126	Pulse-labelling trees to study carbon allocation dynamics: a review of methods, current knowledge and future prospects. <i>Tree Physiology</i> , 2012 , 32, 776-98	4.2	177
125	Natural (¹³ C) abundance reveals trophic status of fungi and host-origin of carbon in mycorrhizal fungi in mixed forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8534-9	11.5	175
124	Contrasting effects of nitrogen availability on plant carbon supply to mycorrhizal fungi and saprotrophs - a hypothesis based on field observations in boreal forest. <i>New Phytologist</i> , 2003 , 160, 225-238	9.8	165
123	A meta-analysis of the effects of nitrogen additions on base cations: Implications for plants, soils, and streams. <i>Forest Ecology and Management</i> , 2011 , 262, 95-104	3.9	163
122	Are ectomycorrhizal fungi alleviating or aggravating nitrogen limitation of tree growth in boreal forests?. <i>New Phytologist</i> , 2013 , 198, 214-221	9.8	158
121	¹⁵ N Abundance of forests is correlated with losses of nitrogen. <i>Plant and Soil</i> , 1993 , 157, 147-150	4.2	141
120	Nitrogen isotope fractionation during nitrogen uptake by ectomycorrhizal and non-mycorrhizal <i>Pinus sylvestris</i> . <i>New Phytologist</i> , 1999 , 142, 569-576	9.8	126
119	Forests trapped in nitrogen limitation--an ecological market perspective on ectomycorrhizal symbiosis. <i>New Phytologist</i> , 2014 , 203, 657-666	9.8	124
118	Soil nutrient availability, root symbioses and tree species composition in tropical Africa: a review. <i>Journal of Tropical Ecology</i> , 1986 , 2, 359-372	1.3	122
117	SOIL CHEMISTRY AND PLANTS IN FENNOSCANDIAN BOREAL FOREST AS EXEMPLIFIED BY A LOCAL GRADIENT. <i>Ecology</i> , 1998 , 79, 119-137	4.6	118
116	Nitrogen acquisition from inorganic and organic sources by boreal forest plants in the field. <i>Oecologia</i> , 2003 , 137, 252-7	2.9	117
115	How plant diversity and legumes affect nitrogen dynamics in experimental grassland communities. <i>Oecologia</i> , 2002 , 133, 412-421	2.9	116

114	Forests losing large quantities of nitrogen have elevated N:N ratios. <i>Oecologia</i> , 1990 , 84, 229-231	2.9	116
113	UPTAKE OF ORGANIC NITROGEN IN THE FIELD BY FOUR AGRICULTURALLY IMPORTANT PLANT SPECIES. <i>Ecology</i> , 2000 , 81, 1155-1161	4.6	115
112	Species level patterns in C and N abundance of ectomycorrhizal and saprotrophic fungal sporocarps. <i>New Phytologist</i> , 2003 , 159, 757-774	9.8	113
111	N natural abundance as a possible marker of the ectomycorrhizal habit of trees in mixed African woodlands. <i>New Phytologist</i> , 1990 , 115, 483-486	9.8	110
110	Natural N abundance in fruit bodies of ectomycorrhizal fungi from boreal forests. <i>New Phytologist</i> , 1997 , 136, 713-720	9.8	108
109	Tamm Review: On the nature of the nitrogen limitation to plant growth in Fennoscandian boreal forests. <i>Forest Ecology and Management</i> , 2017 , 403, 161-185	3.9	103
108	Carbon allocation between tree root growth and root respiration in boreal pine forest. <i>Oecologia</i> , 2002 , 132, 579-581	2.9	103
107	Recovery of ectomycorrhiza after 'nitrogen saturation' of a conifer forest. <i>New Phytologist</i> , 2011 , 189, 515-25	9.8	102
106	Gross nitrogen mineralisation and fungi-to-bacteria ratios are negatively correlated in boreal forests. <i>Biology and Fertility of Soils</i> , 2007 , 44, 363-366	6.1	100
105	Contrasting effects of low and high nitrogen additions on soil CO ₂ flux components and ectomycorrhizal fungal sporocarp production in a boreal forest. <i>Global Change Biology</i> , 2012 , 18, 3596-3605 ¹¹⁴		96
104	Allelopathic effects by <i>Empetrum hermaphroditum</i> on development and nitrogen uptake by roots and mycorrhizae of <i>Pinus silvestris</i> . <i>Canadian Journal of Botany</i> , 1993 , 71, 620-628		96
103	ECTOMYCORRHIZAS OF TROPICAL ANGIOSPERMOUS TREES. <i>New Phytologist</i> , 1986 , 102, 541-549	9.8	92
102	Pine Forest Floor Carbon Accumulation in Response to N and PK Additions: Bomb 14C Modelling and Respiration Studies. <i>Ecosystems</i> , 2003 , 6, 644-658	3.9	91
101	Short-term dynamics of abiotic and biotic soil ¹³ CO ₂ effluxes after in situ ¹³ CO ₂ pulse labelling of a boreal pine forest. <i>New Phytologist</i> , 2009 , 183, 349-357	9.8	85
100	Uptake of glycine by field grown wheat. <i>New Phytologist</i> , 2001 , 150, 59-63	9.8	85
99	MYCORRHIZAL ASSOCIATIONS IN SOME WOODLAND AND FOREST TREES AND SHRUBS IN TANZANIA. <i>New Phytologist</i> , 1982 , 92, 407-415	9.8	78
98	Phosphorus Limitation in Boreal Forests: Effects of Aluminum and Iron Accumulation in the Humus Layer. <i>Ecosystems</i> , 2002 , 5, 300-314	3.9	77
97	Uptake of Organic Nitrogen in the Field by Four Agriculturally Important Plant Species. <i>Ecology</i> , 2000 , 81, 1155	4.6	76

96	Tamm Review: Revisiting the influence of nitrogen deposition on Swedish forests. <i>Forest Ecology and Management</i> , 2016 , 368, 222-239	3.9	74
95	N abundance of soils and plants along an experimentally induced forest nitrogen supply gradient. <i>Oecologia</i> , 1994 , 97, 322-325	2.9	74
94	Inorganic soil nitrogen under grassland plant communities of different species composition and diversity. <i>Oikos</i> , 2005 , 110, 271-282	4	72
93	Substrate-induced respiration measured in situ in a C3-plant ecosystem using additions of C4-sucrose. <i>Soil Biology and Biochemistry</i> , 1996 , 28, 1131-1138	7.5	72
92	Analysis of $\delta^{13}C$ of CO ₂ distinguishes between microbial respiration of added C4-sucrose and other soil respiration in a C3-ecosystem. <i>Plant and Soil</i> , 2000 , 219, 197-209	4.2	69
91	Mycorrhizas in Zambian Trees in Relation to Host Taxonomy, Vegetation Type and Successional Patterns. <i>Journal of Ecology</i> , 1986 , 74, 775	6	67
90	Production of dissolved organic carbon and low-molecular weight organic acids in soil solution driven by recent tree photosynthate. <i>Biogeochemistry</i> , 2007 , 84, 1-12	3.8	66
89	The vertical distribution of fine roots of five tree species and maize in Morogoro, Tanzania. <i>Agroforestry Systems</i> , 1988 , 6, 63-69	2	65
88	Contrasting patterns of soil N-cycling in model ecosystems of Fennoscandian boreal forests. <i>Oecologia</i> , 2006 , 147, 96-107	2.9	64
87	Studies of ^{13}C in the foliage reveal interactions between nutrients and water in forest fertilization experiments. <i>Plant and Soil</i> , 1993 , 152, 207-214	4.2	63
86	Plant nitrate reductase activity as an indicator of availability of nitrate in forest soils. <i>Canadian Journal of Forest Research</i> , 1986 , 16, 1165-1169	1.9	63
85	Partitioning of soil respiration into its autotrophic and heterotrophic components by means of tree-girdling in old boreal spruce forest. <i>Forest Ecology and Management</i> , 2009 , 257, 1764-1767	3.9	62
84	Nitrogen fixation by the woody legume <i>Leucaena leucocephala</i> in Tanzania. <i>Plant and Soil</i> , 1982 , 66, 21-28.2	2.2	62
83	Consequences of More Intensive Forestry for the Sustainable Management of Forest Soils and Waters. <i>Forests</i> , 2011 , 2, 243-260	2.8	59
82	C-discrimination during microbial respiration of added C-, C- and C-labelled sugars to a C-forest soil. <i>Oecologia</i> , 2002 , 131, 245-249	2.9	59
81	Roles of Root Symbioses in African Woodland and Forest: Evidence from ^{15}N Abundance and Foliar Analysis. <i>Journal of Ecology</i> , 1995 , 83, 217	6	59
80	Nitrogen-Fixation and Nutrient Relations in Savanna Woodland Trees (Tanzania). <i>Journal of Applied Ecology</i> , 1986 , 23, 675	5.8	57
79	Interspecific and spatial differences in nitrogen uptake in monocultures and two-species mixtures in north European grasslands. <i>Functional Ecology</i> , 2002 , 16, 454-461	5.6	55

78	Effects of land use on ^{15}N natural abundance of soils in Ethiopian highlands. <i>Plant and Soil</i> , 2000 , 222, 109-117	4.2	50
77	Variation in the $\delta^{13}\text{C}$ of foliage of <i>Pinus sylvestris</i> L. in relation to climate and additions of nitrogen: analysis of a 32-year chronology. <i>Global Change Biology</i> , 2007 , 13, 2317-2328	11.4	46
76	Allocation of carbon to fine root compounds and their residence times in a boreal forest depend on root size class and season. <i>New Phytologist</i> , 2012 , 194, 972-981	9.8	45
75	Boreal bog plants: nitrogen sources and uptake of recently deposited nitrogen. <i>Environmental Pollution</i> , 2003 , 126, 191-200	9.3	45
74	Reconstruction of Forest Site History in Ethiopian Highlands Based on ^{13}C Natural Abundance of Soils. <i>Ambio</i> , 2000 , 29, 83-89	6.5	45
73	Measurements of abundances of ^{15}N and ^{13}C as tools in retrospective studies of N balances and water stress in forests: A discussion of preliminary results. <i>Plant and Soil</i> , 1995 , 168-169, 125-133	4.2	44
72	Identification of Coniferous Forests with Incipient Nitrogen Saturation through Analysis of Arginine and Nitrogen- 15 Abundance of Trees. <i>Journal of Environmental Quality</i> , 1997 , 26, 302-309	3.4	43
71	Greater carbon allocation to mycorrhizal fungi reduces tree nitrogen uptake in a boreal forest. <i>Ecology</i> , 2016 , 97, 1012-22	4.6	41
70	No diurnal variation in rate or carbon isotope composition of soil respiration in a boreal forest. <i>Tree Physiology</i> , 2007 , 27, 749-56	4.2	40
69	Nitrate in soil water in three Norway spruce stands in southwest Sweden as related to N-deposition and soil, stand, and foliage properties. <i>Canadian Journal of Forest Research</i> , 1996 , 26, 836-848	1.9	40
68	Development of ^{15}N enrichment in a nitrogen-fertilized forest soil-plant system. <i>Soil Biology and Biochemistry</i> , 1991 , 23, 335-338	7.5	39
67	^{14}C β tool for separation of autotrophic and heterotrophic soil respiration. <i>Global Change Biology</i> , 2006 , 12, 972-982	11.4	37
66	Relations among soil microbial community composition, nitrogen turnover, and tree growth in N-loaded and previously N-loaded boreal spruce forest. <i>Forest Ecology and Management</i> , 2013 , 302, 319-328	3.9	36
65	Uncertainties in static closed chamber measurements of the carbon isotopic ratio of soil-respired CO_2 . <i>Soil Biology and Biochemistry</i> , 2005 , 37, 2273-2276	7.5	36
64	What is the quantitative relation between nitrogen deposition and forest carbon sequestration?. <i>Global Change Biology</i> , 2012 , 18, 1-2	11.4	35
63	N_2 fixation in three perennial <i>Trifolium</i> species in experimental grasslands of varied plant species richness and composition. <i>Plant Ecology</i> , 2009 , 205, 87-104	1.7	34
62	Ectomycorrhizae in coastal miombo woodland of Tanzania. <i>Plant and Soil</i> , 1981 , 63, 283-289	4.2	34
61	Shifts in soil microbial community structure, nitrogen cycling and the concomitant declining N availability in ageing primary boreal forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2015 , 91, 200-211	7.5	33

60	The lateral spread of tree root systems in boreal forests: Estimates based on 15N uptake and distribution of sporocarps of ectomycorrhizal fungi. <i>Forest Ecology and Management</i> , 2008 , 255, 75-81	3.9	32
59	Aluminium and uptake of base cations by tree roots: A critique of the model proposed by Sverdrup et al.. <i>Water, Air, and Soil Pollution</i> , 1994 , 75, 121-125	2.6	31
58	Shoot nitrate reductase activities of field-layer species in different forest types. <i>Scandinavian Journal of Forest Research</i> , 1990 , 5, 449-456	1.7	31
57	The dependence of soil microbial activity on recent photosynthate from trees. <i>Plant and Soil</i> , 2006 , 287, 85-94	4.2	30
56	Effects of planted tree fallows on soil nitrogen dynamics, above-ground and root biomass, N2-fixation and subsequent maize crop productivity in Kenya. <i>Plant and Soil</i> , 2002 , 243, 103-117	4.2	30
55	Nitrogen-related root variables of trees along an N-deposition gradient in Europe. <i>Tree Physiology</i> , 1998 , 18, 823-828	4.2	30
54	Nitrate nutrition of <i>Deschampsia flexuosa</i> (L.) Trin. in relation to nitrogen deposition in Sweden. <i>Oecologia</i> , 1991 , 87, 488-494	2.9	30
53	Effects of young agroforestry trees on soils in on-farm situations in western Kenya. <i>Agroforestry Systems</i> , 1995 , 32, 45-52	2	29
52	Use of 15N labelling and 15N natural abundance to quantify the role of mycorrhizas in N uptake by plants: importance of seed N and of changes in the 15N labelling of available N. <i>New Phytologist</i> , 1994 , 127, 515-519	9.8	29
51	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. <i>Plant and Soil</i> , 2013 , 368, 375-392	4.2	28
50	Variations in 15N abundance in a forest fertilization trial: Critical loads of N, N saturation, contamination and effects of revitalization fertilization. <i>Plant and Soil</i> , 1992 , 142, 211-219	4.2	28
49	Root symbioses of trees in African dry tropical forests. <i>Journal of Vegetation Science</i> , 1992 , 3, 393-400	3.1	28
48	The return of an experimentally N-saturated boreal forest to an N-limited state: observations on the soil microbial community structure, biotic N retention capacity and gross N mineralisation. <i>Plant and Soil</i> , 2014 , 381, 45-60	4.2	27
47	Winners and losers in herbaceous plant communities: insights from foliar carbon isotope composition in monocultures and mixtures. <i>Journal of Ecology</i> , 2005 , 93, 1136-1147	6	27
46	Dosage and duration effects of nitrogen additions on ectomycorrhizal sporocarp production and functioning: an example from two N-limited boreal forests. <i>Ecology and Evolution</i> , 2014 , 4, 3015-26	2.8	26
45	Is tree root respiration more sensitive than heterotrophic respiration to changes in soil temperature?. <i>New Phytologist</i> , 2010 , 188, 9-10; author reply 10-1	9.8	26
44	Historical land use pattern affects the chemistry of forest soils in the Ethiopian highlands. <i>Geoderma</i> , 2004 , 118, 149-165	6.7	26
43	Long-term declines in stream and river inorganic nitrogen (N) export correspond to forest change. <i>Ecological Applications</i> , 2016 , 26, 545-56	4.9	26

42	Nutritional assessment of a forest fertilisation experiment in northern Sweden by root bioassays. <i>Forest Ecology and Management</i> , 1994 , 64, 59-69	3.9	25
41	Short-term patterns of carbon and nitrogen mineralisation in a fallow field amended with green manures from agroforestry trees. <i>Biology and Fertility of Soils</i> , 2002 , 36, 18-25	6.1	24
40	Is the high ¹⁵ N natural abundance of trees in N-loaded forests caused by an internal ecosystem N isotope redistribution or a change in the ecosystem N isotope mass balance?. <i>Biogeochemistry</i> , 2014 , 117, 351-358	3.8	23
39	Retention of Nitrogen by a Nitrogen-Loaded Scotch Pine Forest. <i>Soil Science Society of America Journal</i> , 1999 , 63, 383-389	2.5	22
38	Species height and root symbiosis, two factors influencing antiherbivore defense of woody plants in East African savanna. <i>Oecologia</i> , 1993 , 93, 322-326	2.9	22
37	Responses of a Nitrogen-Saturated Forest to a Sharp Decrease in Nitrogen Input. <i>Journal of Environmental Quality</i> , 1999 , 28, 1970-1977	3.4	21
36	Growth and nitrogen inflow rates in mycorrhizal and non-mycorrhizal seedlings of <i>Pinus sylvestris</i> . <i>Forest Ecology and Management</i> , 1989 , 28, 7-17	3.9	21
35	Gross nitrogen mineralization rates still high 14 years after suspension of N input to a N-saturated forest. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2001-2003	7.5	20
34	Ion leakage after liming or acidifying fertilization of Swedish forests – a study of lysimeters with and without active tree roots. <i>Forest Ecology and Management</i> , 2001 , 147, 151-170	3.9	19
33	Application of nitrogen fertilizer to a boreal pine forest has a negative impact on the respiration of ectomycorrhizal hyphae. <i>Plant and Soil</i> , 2012 , 352, 405-417	4.2	18
32	Belowground Competition Directs Spatial Patterns of Seedling Growth in Boreal Pine Forests in Fennoscandia. <i>Forests</i> , 2014 , 5, 2106-2121	2.8	17
31	Factors Determining the ¹³ C Abundance of Soil-Respired CO ₂ in Boreal Forests 2005 , 47-68		16
30	Uptake of NO ₃ by mycorrhizal and non-mycorrhizal Scots pine seedlings: quantities and effects on amino acid and protein concentrations. <i>New Phytologist</i> , 1991 , 119, 83-92	9.8	15
29	Comments on Yakov Kuzyakov's review Sources of CO ₂ efflux from soil and review of partitioning methods[<i>Soil Biology & Biochemistry</i> 38, 425-448]. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2997-2998	7.5	14
28	Pre-industrial atmospheric pollution: was it important for the pH of acid-sensitive Swedish lakes?. <i>Ambio</i> , 2002 , 31, 460-5	6.5	14
27	Does ectomycorrhiza have a universal key role in the formation of soil organic matter in boreal forests?. <i>Soil Biology and Biochemistry</i> , 2020 , 140, 107635	7.5	14
26	Tree fallows: A comparison between five tropical tree species. <i>Biology and Fertility of Soils</i> , 1996 , 23, 50-56	6.1	13
25	Shoot nitrate reductase activities of field-layer species in different forest types. II. <i>Scandinavian Journal of Forest Research</i> , 1992 , 7, 1-14	1.7	13

24	Carbon isotopes as proof for plant uptake of organic nitrogen: Relevance of inorganic carbon uptake: Reply to Rasmussen and Kuzyakov. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1588-1589	7.5	12
23	Dynamics of soil nitrate after forest fertilization as monitored by the plant nitrate reductase assay. <i>Forest Ecology and Management</i> , 1991 , 44, 223-238	3.9	12
22	Quantifying forest change in the European Union. <i>Nature</i> , 2021 , 592, E13-E14	50.4	12
21	Measuring nitrogen fixation by <i>Sesbania sesban</i> planted fallows using ¹⁵ N tracer technique in Kenya. <i>Agroforestry Systems</i> , 2005 , 65, 67-79	2	11
20	Respiration from C3 plant green manure added to a C4 plant carbon dominated soil. <i>Plant and Soil</i> , 2000 , 218/2, 83-89	4.2	10
19	Can the ¹⁵ N Dilution Technique be used to Study N ₂ Fixation in Tropical Tree Symbioses as Affected by Water Deficit?. <i>Journal of Experimental Botany</i> , 1993 , 44, 1749-1755	7	9
18	Carbon benefits from Forest Transitions promoting biomass expansions and thickening. <i>Global Change Biology</i> , 2020 , 26, 5365-5370	11.4	8
17	Tansley Review No. 95: ¹⁵ N natural abundance in soil-plant systems. <i>New Phytologist</i> , 1998 , 139, 595-595g.8	9.8	7
16	Interactions between Hillslope Hydrochemistry, Nitrogen Dynamics, and Plants in Fennoscandian Boreal Forest 2001 , 227-233		7
15	Root biomass and symbioses in <i>Acacia mangium</i> replacing tropical forest after logging. <i>Forest Ecology and Management</i> , 1998 , 102, 333-338	3.9	6
14	Uptake of ²⁴ Mg by excised pine roots: A preliminary study. <i>Plant and Soil</i> , 1995 , 172, 323-326	4.2	6
13	Diurnal Variation in Acetylene Reduction and Net Hydrogen Evolution in Five Tropical and Subtropical Nitrogen-Fixing Tree Symbioses. <i>Journal of Experimental Botany</i> , 1989 , 40, 1163-1168	7	6
12	New nodulating legume tree species from Guinea-Bissau, West Africa. <i>Forest Ecology and Management</i> , 1989 , 29, 311-314	3.9	6
11	Large differences in plant nitrogen supply in German and Swedish forests – Implications for management. <i>Forest Ecology and Management</i> , 2021 , 482, 118899	3.9	5
10	Seasonality and nitrogen supply modify carbon partitioning in understory vegetation of a boreal coniferous forest. <i>Ecology</i> , 2015 , 97, 671	4.6	4
9	¹⁵ N Abundance of forests is correlated with losses of nitrogen 1993 , 157, 147		4
8	Greater carbon allocation to mycorrhizal fungi reduces tree nitrogen uptake in a boreal forest. <i>Ecology</i> , 2016 ,	4.6	3
7	Fractional contributions by autotrophic and heterotrophic respiration to soil-surface CO ₂ efflux in Boreal forests 2004 , 251-267		3

6	Seasonality and nitrogen supply modify carbon partitioning in understory vegetation of a boreal coniferous forest. <i>Ecology</i> , 2016 , 97, 671-83	4.6	3
5	Carl Olof Tamm: A Swedish scholar. <i>Forest Ecology and Management</i> , 2014 , 315, 227-229	3.9	1
4	Measurements of abundances of ¹⁵ N and ¹³ C as tools in retrospective studies of N balances and water stress in forests: A discussion of preliminary results 1995 , 125-133		1
3	Carbon-nitrogen relations of ectomycorrhizal mycelium across a natural nitrogen supply gradient in boreal forest. <i>New Phytologist</i> , 2021 , 232, 1839-1848	9.8	0
2	Managing existing forests can mitigate climate change. <i>Forest Ecology and Management</i> , 2022 , 513, 120186	3.9	0
1	Does successful forest regeneration require the nursing of seedlings by nurse trees through mycorrhizal interconnections?. <i>Forest Ecology and Management</i> , 2022 , 516, 120252	3.9	0