

Peter Hgberg

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.

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	Managing existing forests can mitigate climate change. <i>Forest Ecology and Management</i> , 2022 , 513, 120186	3.9	0
148	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
147	Quantifying forest change in the European Union. <i>Nature</i> , 2021 , 592, E13-E14	50.4	12
146	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
145	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
144	Carbon benefits from Forest Transitions promoting biomass expansions and thickening. <i>Global Change Biology</i> , 2020 , 26, 5365-5370	11.4	8
143	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
142	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
141	Tamm Review: Revisiting the influence of nitrogen deposition on Swedish forests. <i>Forest Ecology and Management</i> , 2016 , 368, 222-239	3.9	74
140	Greater carbon allocation to mycorrhizal fungi reduces tree nitrogen uptake in a boreal forest. <i>Ecology</i> , 2016 , 97, 1012-22	4.6	41
139	Greater carbon allocation to mycorrhizal fungi reduces tree nitrogen uptake in a boreal forest. <i>Ecology</i> , 2016 ,	4.6	3
138	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
137	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
136	Seasonality and nitrogen supply modify carbon partitioning in understory vegetation of a boreal coniferous forest. <i>Ecology</i> , 2015 , 97, 671	4.6	4
135	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
134	Is the high $\delta^{15}N$ 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
133	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

132	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
131	Carl Olof Tamm: A Swedish scholar. <i>Forest Ecology and Management</i> , 2014 , 315, 227-229	3.9	1
130	Forests trapped in nitrogen limitation--an ecological market perspective on ectomycorrhizal symbiosis. <i>New Phytologist</i> , 2014 , 203, 657-666	9.8	124
129	Belowground Competition Directs Spatial Patterns of Seedling Growth in Boreal Pine Forests in Fennoscandia. <i>Forests</i> , 2014 , 5, 2106-2121	2.8	17
128	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
127	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
126	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
125	Fertile forests produce biomass more efficiently. <i>Ecology Letters</i> , 2012 , 15, 520-6	10	211
124	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
123	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	11.4	96
122	Nitrogen isotopes link mycorrhizal fungi and plants to nitrogen dynamics. <i>New Phytologist</i> , 2012 , 196, 367-382	9.8	256
121	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
120	What is the quantitative relation between nitrogen deposition and forest carbon sequestration?. <i>Global Change Biology</i> , 2012 , 18, 1-2	11.4	35
119	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
118	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
117	Consequences of More Intensive Forestry for the Sustainable Management of Forest Soils and Waters. <i>Forests</i> , 2011 , 2, 243-260	2.8	59
116	Recovery of ectomycorrhiza after 'nitrogen saturation' of a conifer forest. <i>New Phytologist</i> , 2011 , 189, 515-25	9.8	102
115	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

114	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
113	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
112	N ₂ fixation in three perennial Trifolium species in experimental grasslands of varied plant species richness and composition. <i>Plant Ecology</i> , 2009 , 205, 87-104	1.7	34
111	Short-term dynamics of abiotic and biotic soil ¹³ C ₂ O ₂ effluxes after in situ ¹³ C ₂ O ₂ pulse labelling of a boreal pine forest. <i>New Phytologist</i> , 2009 , 183, 349-357	9.8	85
110	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
109	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
108	The lateral spread of tree root systems in boreal forests: Estimates based on ¹⁵ N uptake and distribution of sporocarps of ectomycorrhizal fungi. <i>Forest Ecology and Management</i> , 2008 , 255, 75-81	3.9	32
107	Variation in the $\delta^{13}C$ of foliage of Pinus sylvestris 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
106	Spatial separation of litter decomposition and mycorrhizal nitrogen uptake in a boreal forest. <i>New Phytologist</i> , 2007 , 173, 611-620	9.8	658
105	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
104	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
103	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
102	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
101	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
100	Comments on Yakov Kuzyakov's review Sources of CO ₂ efflux from soil and review of partitioning methods[Soil Biology & Biochemistry 38, 425-448]. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2997-2998	7.5	14
99	Towards a more plant physiological perspective on soil ecology. <i>Trends in Ecology and Evolution</i> , 2006 , 21, 548-54	10.9	431
98	¹⁴ C is a tool for separation of autotrophic and heterotrophic soil respiration. <i>Global Change Biology</i> , 2006 , 12, 972-982	11.4	37
97	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

96	The dependence of soil microbial activity on recent photosynthate from trees. <i>Plant and Soil</i> , 2006 , 287, 85-94	4.2	30
95	Contrasting patterns of soil N-cycling in model ecosystems of Fennoscandian boreal forests. <i>Oecologia</i> , 2006 , 147, 96-107	2.9	64
94	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
93	ECOSYSTEM EFFECTS OF BIODIVERSITY MANIPULATIONS IN EUROPEAN GRASSLANDS. <i>Ecological Monographs</i> , 2005 , 75, 37-63	9	383
92	Fertilization of boreal forest reduces both autotrophic and heterotrophic soil respiration. <i>Global Change Biology</i> , 2005 , 11, 1745-1753	11.4	221
91	Inorganic soil nitrogen under grassland plant communities of different species composition and diversity. <i>Oikos</i> , 2005 , 110, 271-282	4	72
90	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
89	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
88	Factors Determining the ¹³ C Abundance of Soil-Respired CO ₂ in Boreal Forests 2005 , 47-68		16
87	Historical land use pattern affects the chemistry of forest soils in the Ethiopian highlands. <i>Geoderma</i> , 2004 , 118, 149-165	6.7	26
86	Fractional contributions by autotrophic and heterotrophic respiration to soil-surface CO ₂ efflux in Boreal forests 2004 , 251-267		3
85	Pine Forest Floor Carbon Accumulation in Response to N and PK Additions: Bomb ¹⁴ C Modelling and Respiration Studies. <i>Ecosystems</i> , 2003 , 6, 644-658	3.9	91
84	Nitrogen acquisition from inorganic and organic sources by boreal forest plants in the field. <i>Oecologia</i> , 2003 , 137, 252-7	2.9	117
83	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
82	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
81	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
80	Boreal bog plants: nitrogen sources and uptake of recently deposited nitrogen. <i>Environmental Pollution</i> , 2003 , 126, 191-200	9.3	45
79	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

78	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
77	Carbon allocation between tree root growth and root respiration in boreal pine forest. <i>Oecologia</i> , 2002 , 132, 579-581	2.9	103
76	How plant diversity and legumes affect nitrogen dynamics in experimental grassland communities. <i>Oecologia</i> , 2002 , 133, 412-421	2.9	116
75	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
74	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
73	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
72	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
71	Effects of planted tree fallows on soil nitrogen dynamics, above-ground and root biomass, N ₂ -fixation and subsequent maize crop productivity in Kenya. <i>Plant and Soil</i> , 2002 , 243, 103-117	4.2	30
70	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
69	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
68	Soil nitrogen form and plant nitrogen uptake along a boreal forest productivity gradient. <i>Oecologia</i> , 2001 , 129, 125-132	2.9	216
67	Uptake of glycine by field grown wheat. <i>New Phytologist</i> , 2001 , 150, 59-63	9.8	85
66	Large-scale forest girdling shows that current photosynthesis drives soil respiration. <i>Nature</i> , 2001 , 411, 789-92	50.4	1473
65	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
64	Interactions between Hillslope Hydrochemistry, Nitrogen Dynamics, and Plants in Fennoscandian Boreal Forest 2001 , 227-233		7
63	Respiration from C ₃ plant green manure added to a C ₄ plant carbon dominated soil. <i>Plant and Soil</i> , 2000 , 218/2, 83-89	4.2	10
62	Analysis of ¹³ C of CO ₂ distinguishes between microbial respiration of added C ₄ -sucrose and other soil respiration in a C ₃ -ecosystem. <i>Plant and Soil</i> , 2000 , 219, 197-209	4.2	69
61	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

60	The global carbon cycle: a test of our knowledge of earth as a system. <i>Science</i> , 2000 , 290, 291-6	33.3	1294
59	Uptake of Organic Nitrogen in the Field by Four Agriculturally Important Plant Species. <i>Ecology</i> , 2000 , 81, 1155	4.6	76
58	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
57	UPTAKE OF ORGANIC NITROGEN IN THE FIELD BY FOUR AGRICULTURALLY IMPORTANT PLANT SPECIES. <i>Ecology</i> , 2000 , 81, 1155-1161	4.6	115
56	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
55	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
54	Insects affect relationships between plant species richness and ecosystem processes. <i>Ecology Letters</i> , 1999 , 2, 237-246	10	192
53	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
52	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
51	Plant diversity and productivity experiments in european grasslands. <i>Science</i> , 1999 , 286, 1123-7	33.3	1472
50	Boreal forest plants take up organic nitrogen. <i>Nature</i> , 1998 , 392, 914-916	50.4	798
49	Tansley Review No. 95: ¹⁵ N natural abundance in soil-plant systems. <i>New Phytologist</i> , 1998 , 139, 595-595	9.8	7
48	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
47	Nitrogen-related root variables of trees along an N-deposition gradient in Europe. <i>Tree Physiology</i> , 1998 , 18, 823-828	4.2	30
46	SOIL CHEMISTRY AND PLANTS IN FENNOSCANDIAN BOREAL FOREST AS EXEMPLIFIED BY A LOCAL GRADIENT. <i>Ecology</i> , 1998 , 79, 119-137	4.6	118
45	Does atmospheric deposition of nitrogen threaten Swedish forests?. <i>Forest Ecology and Management</i> , 1997 , 92, 119-152	3.9	178
44	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
43	Natural N abundance in fruit bodies of ectomycorrhizal fungi from boreal forests. <i>New Phytologist</i> , 1997 , 136, 713-720	9.8	108

42	Tansley Review No. 95 N natural abundance in soil-plant systems. <i>New Phytologist</i> , 1997 , 137, 179-203	9.8	1274
41	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
40	N abundance of surface soils, roots and mycorrhizas in profiles of European forest soils. <i>Oecologia</i> , 1996 , 108, 207-214	2.9	197
39	Tree fallows: A comparison between five tropical tree species. <i>Biology and Fertility of Soils</i> , 1996 , 23, 50-56	6.1	13
38	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
37	Effects of young agroforestry trees on soils in on-farm situations in western Kenya. <i>Agroforestry Systems</i> , 1995 , 32, 45-52	2	29
36	Uptake of ²⁴ Mg by excised pine roots: A preliminary study. <i>Plant and Soil</i> , 1995 , 172, 323-326	4.2	6
35	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
34	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
33	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
32	N abundance of soils and plants along an experimentally induced forest nitrogen supply gradient. <i>Oecologia</i> , 1994 , 97, 322-325	2.9	74
31	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
30	Use of ¹⁵ N labelling and ¹⁵ N natural abundance to quantify the role of mycorrhizas in N uptake by plants: importance of seed N and of changes in the ¹⁵ N labelling of available N. <i>New Phytologist</i> , 1994 , 127, 515-519	9.8	29
29	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
28	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
27	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
26	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
25	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

24	15N Abundance of forests is correlated with losses of nitrogen. <i>Plant and Soil</i> , 1993 , 157, 147-150	4.2	141
23	15N Abundance of forests is correlated with losses of nitrogen 1993 , 157, 147		4
22	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
21	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
20	Root symbioses of trees in African dry tropical forests. <i>Journal of Vegetation Science</i> , 1992 , 3, 393-400	3.1	28
19	Uptake of NO 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
18	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
17	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
16	Development of 15N enrichment in a nitrogen-fertilized forest soil-plant system. <i>Soil Biology and Biochemistry</i> , 1991 , 23, 335-338	7.5	39
15	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
14	Forests losing large quantities of nitrogen have elevated N:N ratios. <i>Oecologia</i> , 1990 , 84, 229-231	2.9	116
13	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
12	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
11	New nodulating legume tree species from Guinea-Bissau, West Africa. <i>Forest Ecology and Management</i> , 1989 , 29, 311-314	3.9	6
10	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
9	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
8	ECTOMYCORRHIZAS OF TROPICAL ANGIOSPERMOUS TREES. <i>New Phytologist</i> , 1986 , 102, 541-549	9.8	92
7	Nitrogen-Fixation and Nutrient Relations in Savanna Woodland Trees (Tanzania). <i>Journal of Applied Ecology</i> , 1986 , 23, 675	5.8	57

6	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
5	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
4	Mycorrhizas in Zambian Trees in Relation to Host Taxonomy, Vegetation Type and Successional Patterns. <i>Journal of Ecology</i> , 1986 , 74, 775	6	67
3	Nitrogen fixation by the woody legume <i>Leucaena leucocephala</i> in Tanzania. <i>Plant and Soil</i> , 1982 , 66, 21-28.	2.2	62
2	MYCORRHIZAL ASSOCIATIONS IN SOME WOODLAND AND FOREST TREES AND SHRUBS IN TANZANIA. <i>New Phytologist</i> , 1982 , 92, 407-415	9.8	78
1	Ectomycorrhizae in coastal miombo woodland of Tanzania. <i>Plant and Soil</i> , 1981 , 63, 283-289	4.2	34