

# Gerhard Gebauer

## 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.

120  
papers

6,134  
citations

47  
h-index

76  
g-index

125  
ext. papers

6,682  
ext. citations

5.4  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
120	Impacts on food web properties of island invertebrate communities vary between different human land uses.. <i>Science of the Total Environment</i> , <b>2022</b> , 154838	10.2	
119	Dinner with the roommates: trophic niche differentiation and competition in a mutualistic ant-ant association. <i>Ecological Entomology</i> , <b>2021</b> , 46, 562-572	2.1	
118	Impact of Global Climate Change on the European Barley Market Requires Novel Multi-Method Approaches to Preserve Crop Quality and Authenticity. <i>Foods</i> , <b>2021</b> , 10,	4.9	3
117	15N tracer enrichment in response to winter soil temperature manipulation differs between canopy trees and juveniles. <i>Trees - Structure and Function</i> , <b>2021</b> , 35, 325-331	2.6	1
116	Stealing sugar from the honey fungus. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 17-19	8.4	2
115	Ecosystem Processes Show Uniform Sensitivity to Winter Soil Temperature Change Across a Gradient from Central to Cold Marginal Stands of a Major Temperate Forest Tree. <i>Ecosystems</i> , <b>2021</b> , 24, 1545-1560	3.9	2
114	Partial mycoheterotrophy is common among chlorophyllous plants with Paris-type arbuscular mycorrhiza. <i>Annals of Botany</i> , <b>2021</b> , 127, 645-653	4.1	5
113	Allochthonous resources are less important for faunal communities on highly productive, small tropical islands. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 13128-13138	2.8	
112	Mycoheterotrophic plants living on arbuscular mycorrhizal fungi are generally enriched in 13C, 15N and 2H isotopes. <i>Journal of Ecology</i> , <b>2020</b> , 108, 1250-1261	6	9
111	Discreet heterotrophs: green plants that receive fungal carbon through Paris-type arbuscular mycorrhiza. <i>New Phytologist</i> , <b>2020</b> , 226, 960-966	9.8	18
110	Dark septate endophytes and arbuscular mycorrhizal fungi (Paris-morphotype) affect the stable isotope composition of classically non-mycorrhizal plants. <i>Functional Ecology</i> , <b>2020</b> , 34, 2453-2466	5.6	6
109	Light limitation and partial mycoheterotrophy in rhizoctonia-associated orchids. <i>Oecologia</i> , <b>2019</b> , 189, 375-383	2.9	8
108	An ecological perspective on 'plant carnivory beyond bogs': nutritional benefits of prey capture for the Mediterranean carnivorous plant <i>Drosophyllum lusitanicum</i> . <i>Annals of Botany</i> , <b>2019</b> , 124, 65-76	4.1	2
107	Picky carnivorous plants? Investigating preferences for preys' trophic levels - a stable isotope natural abundance approach with two terrestrial and two aquatic Lentibulariaceae tested in Central Europe. <i>Annals of Botany</i> , <b>2019</b> , 123, 1167-1177	4.1	3
106	Origin and fate of nitrate runoff in an agricultural catchment: Haean, South Korea - Comparison of two extremely different monsoon seasons. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 66-79	10.2	15
105	Complementary use of H NMR and multi-element IRMS in association with chemometrics enables effective origin analysis of cocoa beans ( <i>Theobroma cacao</i> L.). <i>Food Chemistry</i> , <b>2019</b> , 299, 125105	8.5	9
104	Mucoromycotina Fine Root Endophyte Fungi Form Nutritional Mutualisms with Vascular Plants. <i>Plant Physiology</i> , <b>2019</b> , 181, 565-577	6.6	24

103	The fate of monsoonal atmospheric nitrate deposition in two forest catchments in Soyang lake watershed, South Korea: a mass balance and stable isotope approach. <i>Biogeochemistry</i> , <b>2019</b> , 142, 95-116	3.8	2
102	The giant mycoheterotrophic orchid <i>Erythrorchis altissima</i> is associated mainly with a divergent set of wood-decaying fungi. <i>Molecular Ecology</i> , <b>2018</b> , 27, 1324-1337	5.7	19
101	Stable isotope signatures of underground seedlings reveal the organic matter gained by adult orchids from mycorrhizal fungi. <i>Functional Ecology</i> , <b>2018</b> , 32, 870-881	5.6	23
100	Inferring the mycorrhizal status of introduced plants of <i>Cypripedium calceolus</i> (Orchidaceae) in northern England using stable isotope analysis. <i>Botanical Journal of the Linnean Society</i> , <b>2018</b> , 186, 587-590	3.3	9
99	Exploiting mycorrhizas in broad daylight: Partial mycoheterotrophy is a common nutritional strategy in meadow orchids. <i>Journal of Ecology</i> , <b>2018</b> , 106, 168-178	6	38
98	Unveiling community patterns and trophic niches of tropical and temperate ants using an integrative framework of field data, stable isotopes and fatty acids. <i>PeerJ</i> , <b>2018</b> , 6, e5467	3.1	12
97	Relationship between nitrogen isotope ratios of NO <sub>3</sub> <sup>-</sup> and N <sub>2</sub> O in vertical porewater profiles through a polluted rain-fed peat bog. <i>Soil Biology and Biochemistry</i> , <b>2018</b> , 123, 7-9	7.5	5
96	You are what you get from your fungi: nitrogen stable isotope patterns in <i>Epipactis</i> species. <i>Annals of Botany</i> , <b>2017</b> , 119, 1085-1095	4.1	34
95	Peatlands in a eutrophic world [Assessing the state of a poor fen-bog transition in southern Ontario, Canada, after long term nutrient input and altered hydrological conditions. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 114, 131-144	7.5	7
94	Partial mycoheterotrophy is more widespread among orchids than previously assumed. <i>New Phytologist</i> , <b>2016</b> , 211, 11-5	9.8	74
93	Drying-Rewetting and Flooding Impact Denitrifier Activity Rather than Community Structure in a Moderately Acidic Fen. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 727	5.7	8
92	Plant family identity distinguishes patterns of carbon and nitrogen stable isotope abundance and nitrogen concentration in mycoheterotrophic plants associated with ectomycorrhizal fungi. <i>Annals of Botany</i> , <b>2016</b> , 118, 467-79	4.1	34
91	The importance of associations with saprotrophic non-Rhizoctonia fungi among fully mycoheterotrophic orchids is currently under-estimated: novel evidence from sub-tropical Asia. <i>Annals of Botany</i> , <b>2015</b> , 116, 423-35	4.1	47
90	Are carbon and nitrogen exchange between fungi and the orchid <i>Goodyera repens</i> affected by irradiance?. <i>Annals of Botany</i> , <b>2015</b> , 115, 251-61	4.1	23
89	Denitrification at two nitrogen-polluted, ombrotrophic Sphagnum bogs in Central Europe: Insights from porewater N <sub>2</sub> O-isotope profiles. <i>Soil Biology and Biochemistry</i> , <b>2015</b> , 81, 48-57	7.5	11
88	Temporal variation in mycorrhizal diversity and carbon and nitrogen stable isotope abundance in the wintergreen meadow orchid <i>Anacamptis morio</i> . <i>New Phytologist</i> , <b>2015</b> , 205, 1308-1319	9.8	21
87	Carbon and nitrogen gain during the growth of orchid seedlings in nature. <i>New Phytologist</i> , <b>2014</b> , 202, 606-615	9.8	55
86	Abundance of Methanogens, Methanotrophic Bacteria, and Denitrifiers in Rice Paddy Soils. <i>Wetlands</i> , <b>2014</b> , 34, 213-223	1.7	21

85	A record of N <sub>2</sub> O and CH <sub>4</sub> emissions and underlying soil processes of Korean rice paddies as affected by different water management practices. <i>Biogeochemistry</i> , <b>2013</b> , 115, 317-332	3.8	40
84	Fungal host specificity is not a bottleneck for the germination of Pyroleae species (Ericaceae) in a Bavarian forest. <i>Molecular Ecology</i> , <b>2013</b> , 22, 1473-81	5.7	25
83	Plastic mulching in agriculture Friend or foe of N <sub>2</sub> O emissions?. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 167, 43-51	5.7	74
82	Monsoon rains, drought periods and soil texture as drivers of soil N <sub>2</sub> O fluxes Soil drought turns East Asian temperate deciduous forest soils into temporary and unexpectedly persistent N <sub>2</sub> O sinks. <i>Soil Biology and Biochemistry</i> , <b>2013</b> , 57, 273-281	7.5	9
81	The Physiological Ecology of Mycoheterotrophy <b>2013</b> , 297-342		70
80	Storm pulses and varying sources of hydrologic carbon export from a mountainous watershed. <i>Journal of Hydrology</i> , <b>2012</b> , 440-441, 90-101	6	48
79	Limited carbon and mineral nutrient gain from mycorrhizal fungi by adult Australian orchids. <i>American Journal of Botany</i> , <b>2012</b> , 99, 1133-45	2.7	29
78	Trophic ecology of parabiotic ants: Do the partners have similar food niches?. <i>Austral Ecology</i> , <b>2012</b> , 37, 537-546	1.5	9
77	The effects of above- and belowground mutualisms on orchid speciation and coexistence. <i>American Naturalist</i> , <b>2011</b> , 177, E54-68	3.7	149
76	Stable isotope signatures confirm carbon and nitrogen gain through ectomycorrhizas in the ghost orchid <i>Epipogium aphyllum</i> Swartz. <i>Plant Biology</i> , <b>2011</b> , 13, 270-5	3.7	14
75	The degree of mycoheterotrophic carbon gain in green, variegated and vegetative albino individuals of <i>Cephalanthera damasonium</i> is related to leaf chlorophyll concentrations. <i>New Phytologist</i> , <b>2011</b> , 189, 790-796	9.8	31
74	Photosynthetic Mediterranean meadow orchids feature partial mycoheterotrophy and specific mycorrhizal associations. <i>American Journal of Botany</i> , <b>2011</b> , 98, 1148-63	2.7	91
73	<sup>15</sup> N and <sup>13</sup> C natural abundance of two mycoheterotrophic and a putative partially mycoheterotrophic species associated with arbuscular mycorrhizal fungi. <i>New Phytologist</i> , <b>2010</b> , 188, 590-6	9.8	50
72	Impact of altering the water table height of an acidic fen on N <sub>2</sub> O and NO fluxes and soil concentrations. <i>Global Change Biology</i> , <b>2010</b> , 16, 220-233	11.4	76
71	Irradiance governs exploitation of fungi: fine-tuning of carbon gain by two partially myco-heterotrophic orchids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 1333-6	4.4	70
70	C and N stable isotope signatures reveal constraints to nutritional modes in orchids from the Mediterranean and Macaronesia. <i>American Journal of Botany</i> , <b>2010</b> , 97, 903-12	2.7	65
69	Loss of functional diversity of ant assemblages in secondary tropical forests. <i>Ecology</i> , <b>2010</b> , 91, 782-92	4.6	131
68	N <sub>2</sub> O emission in a Norway spruce forest due to soil frost: concentration and isotope profiles shed a new light on an old story. <i>Biogeochemistry</i> , <b>2010</b> , 97, 21-30	3.8	57

67	Evidence for novel and specialized mycorrhizal parasitism: the orchid <i>Gastrodia confusa</i> gains carbon from saprotrophic <i>Mycena</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 761-764	4.4	105
66	N <sub>2</sub> O and NO fluxes between a Norway spruce forest soil and atmosphere as affected by prolonged summer drought. <i>Soil Biology and Biochemistry</i> , <b>2009</b> , 41, 1986-1995	7.5	32
65	Drought turns a Central European Norway spruce forest soil from an N <sub>2</sub> O source to a transient N <sub>2</sub> O sink. <i>Global Change Biology</i> , <b>2009</b> , 15, 850-860	11.4	103
64	Is it better to give than to receive? A stable isotope perspective on orchid-fungal carbon transport in the green orchid species <i>Goodyera repens</i> and <i>Goodyera oblongifolia</i> . <i>New Phytologist</i> , <b>2009</b> , 182, 8-11	9.8	25
63	Isotopic evidence of full and partial myco-heterotrophy in the plant tribe Pyroleae (Ericaceae). <i>New Phytologist</i> , <b>2009</b> , 182, 719-726	9.8	65
62	The chlorophyll-containing orchid <i>Corallorhiza trifida</i> derives little carbon through photosynthesis. <i>New Phytologist</i> , <b>2009</b> , 183, 358-364	9.8	57
61	The ectomycorrhizal specialist orchid <i>Corallorhiza trifida</i> is a partial myco-heterotroph. <i>New Phytologist</i> , <b>2008</b> , 178, 395-400	9.8	73
60	Fluxes of climate-relevant trace gases between a Norway spruce forest soil and atmosphere during repeated freeze-thaw cycles in mesocosms. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2008</b> , 171, 729-739	2.3	44
59	A methodological approach to improve estimates of nutrient gains by partially myco-heterotrophic plants. <i>Isotopes in Environmental and Health Studies</i> , <b>2008</b> , 44, 393-401	1.5	57
58	N(2)O concentration and isotope signature along profiles provide deeper insight into the fate of N(2)O in soils. <i>Isotopes in Environmental and Health Studies</i> , <b>2008</b> , 44, 377-91	1.5	42
57	Repeated drying-rewetting cycles and their effects on the emission of CO <sub>2</sub> , N <sub>2</sub> O, NO, and CH <sub>4</sub> in a forest soil. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2008</b> , 171, 719-728	2.3	78
56	Wide geographical and ecological distribution of nitrogen and carbon gains from fungi in pyrolids and monotropoids (Ericaceae) and in orchids. <i>New Phytologist</i> , <b>2007</b> , 175, 166-175	9.8	128
55	Stable N-isotope signatures of central European ants: assessing positions in a trophic gradient. <i>Insectes Sociaux</i> , <b>2007</b> , 54, 393-402	1.5	47
54	<i>Cephalanthera longifolia</i> (Neottieae, Orchidaceae) is mixotrophic: a comparative study between green and nonphotosynthetic individuals. <i>Canadian Journal of Botany</i> , <b>2006</b> , 84, 1462-1477		116
53	Mixotrophy in orchids: insights from a comparative study of green individuals and nonphotosynthetic individuals of <i>Cephalanthera damasonium</i> . <i>New Phytologist</i> , <b>2005</b> , 166, 639-53	9.8	218
52	Uptake of nitrogen and carbon from double-labelled ( N and C) glycine by mycorrhizal pine seedlings. <i>New Phytologist</i> , <b>2004</b> , 164, 383-388	9.8	47
51	Increased emissions of nitric oxide and nitrous oxide following tillage of a perennial pasture. <i>Nutrient Cycling in Agroecosystems</i> , <b>2004</b> , 70, 13-22	3.3	62
50	Distinguishing sources of N <sub>2</sub> O in European grasslands by stable isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 1201-7	2.2	78

49	Changing partners in the dark: isotopic and molecular evidence of ectomycorrhizal liaisons between forest orchids and trees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 1799-806	4.4	312
48	Tree species of the Central Amazon and soil moisture alter stable isotope composition of nitrogen and oxygen in nitrous oxide evolved from soil. <i>Isotopes in Environmental and Health Studies</i> , <b>2003</b> , 39, 41-52	1.5	17
47	Emission of gaseous nitrogen oxides from an extensively managed grassland in NE Bavaria, Germany. <i>Biogeochemistry</i> , <b>2003</b> , 63, 249-267	3.8	65
46	Emission of gaseous nitrogen oxides from an extensively managed grassland in NE Bavaria, Germany.. <i>Biogeochemistry</i> , <b>2003</b> , 63, 229-247	3.8	45
45	Nitrogen uptake from <sup>15</sup> N-enriched fertilizer by four tree crops in an Amazonian agroforest. <i>Agroforestry Systems</i> , <b>2003</b> , 57, 213-224	2	12
44	Disentangling a rainforest food web using stable isotopes: dietary diversity in a species-rich ant community. <i>Oecologia</i> , <b>2003</b> , 137, 426-35	2.9	230
43	N and C natural abundance of autotrophic and myco-heterotrophic orchids provides insight into nitrogen and carbon gain from fungal association. <i>New Phytologist</i> , <b>2003</b> , 160, 209-223	9.8	241
42	Short term effect of ploughing a permanent pasture on N <sub>2</sub> O production from nitrification and denitrification. <i>Plant and Soil</i> , <b>2002</b> , 239, 253-265	4.2	54
41	Nitrogen cycling assessment in a hedgerow intercropping system using <sup>15</sup> N enrichment. <i>Nutrient Cycling in Agroecosystems</i> , <b>2002</b> , 62, 1-9	3.3	10
40	On-line analysis of nitrogen stable isotopes in NO from ambient air samples. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 1126-33	7.8	2
39	Nitrogen use in mixed tree crop plantations with a legume cover crop. <i>Plant and Soil</i> , <b>2000</b> , 225, 63-72	4.2	9
38	Temporal Stability of Spatial Patterns of Nitrous Oxide Fluxes from Sloping Grassland. <i>Journal of Environmental Quality</i> , <b>2000</b> , 29, 1397-1407	3.4	44
37	<sup>15</sup> N natural abundance in fruit bodies of different functional groups of fungi in relation to substrate utilization. <i>New Phytologist</i> , <b>1999</b> , 142, 93-101	9.8	116
36	Nutrient interactions of alley cropped Sorghum bicolor and Acacia saligna in a runoff irrigation system in Northern Kenya. <i>Plant and Soil</i> , <b>1999</b> , 210, 249-262	4.2	15
35	Nitrogen uptake of sorghum (Sorghum bicolor L.) from tree mulch and mineral fertilizer under high leaching conditions estimated by nitrogen-15 enrichment. <i>Biology and Fertility of Soils</i> , <b>1999</b> , 30, 90-95	6.1	16
34	Sucrose unloading in the hypocotyl of the Ricinus communis L. seedling measured by <sup>13</sup> C-nuclear magnetic resonance spectroscopy in vivo. <i>Planta</i> , <b>1999</b> , 208, 358-364	4.7	6
33	Controlling nitrous oxide emissions from grassland livestock production systems. <i>Nutrient Cycling in Agroecosystems</i> , <b>1998</b> , 52, 141-149	3.3	20
32	Effects of acid irrigation and liming on nitrate reduction and nitrate content of Picea abies (L.) Karst. and Oxalis acetosella L.. <i>Plant and Soil</i> , <b>1998</b> , 199, 59-70	4.2	16

31	Below-ground interactions in dryland agroforestry. <i>Forest Ecology and Management</i> , <b>1998</b> , 111, 157-169	3.9	90
30	On-Line Analysis of Stable Isotopes of Nitrogen in NH <sub>3</sub> , NO, and NO <sub>2</sub> at Natural Abundance Levels. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 2750-6	7.8	10
29	Anthropogenic impacts on natural nitrogen isotope variations in Pinus sylvestris stands in an industrially polluted area. <i>Environmental Pollution</i> , <b>1997</b> , 97, 175-81	9.3	47
28	Uptake of [(15)N] Ammonium and [(15)N]Nitrate in a 140-Year-Old Spruce Stand (Picea abies) in the Fichtelgebirge (NE Bavaria). <i>Isotopes in Environmental and Health Studies</i> , <b>1996</b> , 32, 141-8	1.5	3
27	Partitioning of 15N-labeled ammonium and nitrate among soil, litter, below- and above-ground biomass of trees and understory in a 15-year-old Picea abies plantation. <i>Biogeochemistry</i> , <b>1996</b> , 33, 1	3.8	90
26	The Fate of [(15)N]Ammonium and [(15)N]Nitrate in the Soil of a 140-Year-Old Spruce Stand (Picea Abies) in the Fichtelgebirge (NE-Bavaria). <i>Isotopes in Environmental and Health Studies</i> , <b>1996</b> , 32, 149-58	1.5	5
25	N-ammonium and N-nitrate uptake of a 15-year-old Picea abies plantation. <i>Oecologia</i> , <b>1995</b> , 102, 361-370	0.9	76
24	Nitrogen nutrition and isotope differences among life forms at the northern treeline of Alaska. <i>Oecologia</i> , <b>1994</b> , 100, 406-412	2.9	214
23	Isotope ratios and concentrations of sulfur and nitrogen in needles and soils of Picea abies stands as influenced by atmospheric deposition of sulfur and nitrogen compounds. <i>Plant and Soil</i> , <b>1994</b> , 164, 267-281	4.2	116
22	Effects of forest decline on uptake and leaching of deposited nitrate determined from 15N and 18O measurements. <i>Nature</i> , <b>1994</b> , 372, 765-767	50.4	340
21	Investigations on the Nitrogen Metabolism of Forest Trees by Mathematical Modelling of Natural Isotope Ratios. <i>Isotopes in Environmental and Health Studies</i> , <b>1993</b> , 29, 199-214		2
20	Nitrogen Isotope Ratios in Different Compartments of a Mixed Stand of Spruce, Larch and Beech Trees and of Understorey Vegetation Including Fungi. <i>Isotopes in Environmental and Health Studies</i> , <b>1993</b> , 29, 35-44		78
19	The Influence of Ammonium on Nitrate Uptake and Assimilation in 2-Year-Old Ash and Oak Trees - A Tracer-Study with 15N. <i>Isotopes in Environmental and Health Studies</i> , <b>1993</b> , 29, 85-92		16
18	Uptake of 15NH <sub>3</sub> by Picea abies in Closed Chamber Experiments. <i>Isotopes in Environmental and Health Studies</i> , <b>1993</b> , 29, 71-76		12
17	15N-Labelled Ammonium and Nitrate Uptake by the Grass Calamagrostis villosa. <i>Isotopes in Environmental and Health Studies</i> , <b>1993</b> , 29, 77-84		3
16	Influence of Nitrogen Supply and Temperature on Stable Carbon Isotope Ratios in Plants of Different Photosynthetic Pathways (C <sub>3</sub> , C <sub>4</sub> , CAM). <i>Isotopes in Environmental and Health Studies</i> , <b>1993</b> , 29, 9-13		7
15	Fluctuations in nitrate reductase activity, and nitrate and organic nitrogen concentrations of succulent plants under different nitrogen and water regimes. <i>Oecologia</i> , <b>1993</b> , 94, 146-152	2.9	7
14	The use of stable isotopes in ecosystem research. First results of a field study with 15N. <i>Isotopes in Environmental and Health Studies</i> , <b>1992</b> , 28, 51-59		3

13	Nitrate reduction and nitrate content in ash trees ( <i>Fraxinus excelsior</i> L.): distribution between compartments, site comparison and seasonal variation. <i>Trees - Structure and Function</i> , <b>1992</b> , 6, 236	2.6	24
12	Estimates of nitrogen fixation by trees on an aridity gradient in Namibia. <i>Oecologia</i> , <b>1991</b> , 88, 451-455	2.9	167
11	Carbon and nitrogen isotope ratios of mistletoes growing on nitrogen and non-nitrogen fixing hosts and on CAM plants in the Namib desert confirm partial heterotrophy. <i>Oecologia</i> , <b>1991</b> , 88, 457-462	2.9	54
10	Carbon and nitrogen isotope ratios in different compartments of a healthy and a declining <i>Picea abies</i> forest in the Fichtelgebirge, NE Bavaria. <i>Oecologia</i> , <b>1991</b> , 87, 198-207	2.9	278
9	The utilization of nitrogen from insect capture by different growth forms of <i>Drosera</i> from Southwest Australia. <i>Oecologia</i> , <b>1991</b> , 87, 240-246	2.9	54
8	Biomass production and nitrogen contents of the CAM plants <i>Kalanchoe daigremontiana</i> and <i>K. tubiflora</i> in cultures with different nitrogen and water supply. <i>Oecologia</i> , <b>1990</b> , 82, 478-483	2.9	11
7	Nitrate, nitrate reduction and organic nitrogen in plants from different ecological and taxonomic groups of Central Europe. <i>Oecologia</i> , <b>1988</b> , 75, 371-385	2.9	98
6	Biomass production and nitrate metabolism of <i>Atriplex hortensis</i> L. (C plant) and <i>Amaranthus retroflexus</i> L. (C plant) in cultures at different levels of nitrogen supply. <i>Oecologia</i> , <b>1987</b> , 72, 303-314	2.9	30
5	Biomass production and nitrogen content of C- and C- grasses in pure and mixed culture with different nitrogen supply. <i>Oecologia</i> , <b>1987</b> , 71, 613-617	2.9	15
4	Specific response of sugar beet cultivars to different nitrogen forms. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , <b>1986</b> , 149, 561-571		
3	Nitrate content and nitrate reductase activity in <i>Rumex obtusifolius</i> L. : I. Differences in organs and diurnal changes. <i>Oecologia</i> , <b>1984</b> , 63, 136-142	2.9	60
2	Nitrate content and nitrate reductase activity in <i>Rumex obtusifolius</i> L. : II. Responses to nitrate starvation and nitrogen fertilization. <i>Oecologia</i> , <b>1984</b> , 63, 380-385	2.9	26
1	<i>Mucoromycotina</i> fine root endophyte fungi form nutritional mutualisms with vascular plants		2