# Pascal Alex Niklaus

## List of Publications by Year in Descending Order



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| 138 papers | 8,455 citations | 48 h-index | 90 g-index |
| 146 ext. papers | 10,296 ext. citations | 7.1 avg, IF | 5.93 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 138 | Effects of plant community history, soil legacy and plant diversity on soil microbial communities. *Journal of Ecology*, **2021**, 109, 3007-3023 | 6 | 4 |
| 137 | Precipitation patterns and N availability alter plant-soil microbial C and N dynamics. *Plant and Soil*, **2021**, 466, 151-163 | 4.2 | 1 |
| 136 | Remotely sensed between-individual functional trait variation in a temperate forest. *Ecology and Evolution*, **2021**, 11, 10834-10867 | 2.8 | 2 |
| 135 | Ecological and evolutionary approaches to improving crop variety mixtures. *Nature Ecology and Evolution*, **2021**, 5, 1068-1077 | 12.3 | 9 |
| 134 | How does leaf functional diversity affect the light environment in forest canopies? An in-silico biodiversity experiment. *Ecological Modelling*, **2021**, 440, 109394 | 3 | 1 |
| 133 | Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 12192-12200 | 11.5 | 44 |
| 132 | Local and landscape-level diversity effects on forest functioning. *PLoS ONE*, **2020**, 15, e0233104 | 3.7 | |
| 131 | Temperatures beyond the community optimum promote the dominance of heat-adapted, fast growing and stress resistant bacteria in alpine soils. *Soil Biology and Biochemistry*, **2020**, 148, 107873 | 7.5 | 17 |
| 130 | Directed species loss reduces community productivity in a subtropical forest biodiversity experiment. *Nature Ecology and Evolution*, **2020**, 4, 550-559 | 12.3 | 8 |
| 129 | Plant trait response of tundra shrubs to permafrost thaw and nutrient addition. *Biogeosciences*, **2020**, 17, 4981-4998 | 4.6 | 2 |
| 128 | Impact of reactive surfaces on the abiotic reaction between nitrite and ferrous iron and associated nitrogen and oxygen isotope dynamics. *Biogeosciences*, **2020**, 17, 4355-4374 | 4.6 | 2 |
| 127 | Terrestrial land-cover type richness is positively linked to landscape-level functioning. *Nature Communications*, **2020**, 11, 154 | 17.4 | 14 |
| 126 | Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. *Nature Ecology and Evolution*, **2020**, 4, 1602-1611 | 12.3 | 30 |
| 125 | Local and landscape-level diversity effects on forest functioning **2020**, 15, e0233104 | | |
| 124 | Local and landscape-level diversity effects on forest functioning **2020**, 15, e0233104 | | |
| 123 | Local and landscape-level diversity effects on forest functioning **2020**, 15, e0233104 | | |
| 122 | Local and landscape-level diversity effects on forest functioning **2020**, 15, e0233104 | | |

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| 121 | Tree-species interactions increase light absorption and growth in Chinese subtropical mixed-species plantations. *Oecologia*, **2019**, 191, 421-432 | 2.9 | 15 |
| 120 | Soil macrofauna and leaf functional traits drive the decomposition of secondary metabolites in leaf litter. *Soil Biology and Biochemistry*, **2019**, 135, 429-437 | 7.5 | 10 |
| 119 | Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. *Nature*, **2019**, 569, 404-408 | 50.4 | 203 |
| 118 | Temperature and moisture are minor drivers of regional-scale soil organic carbon dynamics. *Scientific Reports*, **2019**, 9, 6422 | 4.9 | 11 |
| 117 | Globally consistent influences of seasonal precipitation limit grassland biomass response to elevated CO. *Nature Plants*, **2019**, 5, 167-173 | 11.5 | 26 |
| 116 | Response to Comment on "Impacts of species richness on productivity in a large-scale subtropical forest experiment". *Science*, **2019**, 363, | 33.3 | 2 |
| 115 | Experimental disconnection from common mycorrhizal networks has little effect on competitive interactions among common temperate grassland species. *Journal of Ecology*, **2018**, 106, 2332-2343 | 6 | 4 |
| 114 | Positive diversity-functioning relationships in model communities of methanotrophic bacteria. *Ecology*, **2018**, 99, 714-723 | 4.6 | 18 |
| 113 | Biodiversity across trophic levels drives multifunctionality in highly diverse forests. *Nature Communications*, **2018**, 9, 2989 | 17.4 | 83 |
| 112 | Tree species richness increases ecosystem carbon storage in subtropical forests. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285, | 4.4 | 84 |
| 111 | Alteration of nitrous oxide emissions from floodplain soils by aggregate size, litter accumulation and plant–soil interactions. *Biogeosciences*, **2018**, 15, 7043-7057 | 4.6 | 7 |
| 110 | Leaf-litter overyielding in a forest biodiversity experiment in subtropical China. *Forest Ecosystems*, **2018**, 5, | 3.8 | 12 |
| 109 | Effects of plant productivity and species richness on the drought response of soil respiration in temperate grasslands. *PLoS ONE*, **2018**, 13, e0209031 | 3.7 | 5 |
| 108 | Disentangling effects of air and soil temperature on C allocation in cold environments: A C pulse-labelling study with two plant species. *Ecology and Evolution*, **2018**, 8, 7778-7789 | 2.8 | 2 |
| 107 | Impacts of species richness on productivity in a large-scale subtropical forest experiment. *Science*, **2018**, 362, 80-83 | 33.3 | 220 |
| 106 | A plant biodiversity effect resolved to a single chromosomal region. *Nature Ecology and Evolution*, **2018**, 2, 1933-1939 | 12.3 | 20 |
| 105 | Can niche plasticity promote biodiversity-productivity relationships through increased complementarity?. *Ecology*, **2017**, 98, 1104-1116 | 4.6 | 49 |
| 104 | Spatial micro-distribution of methanotrophic activity along a 120-year afforestation chronosequence. *Plant and Soil*, **2017**, 415, 13-23 | 4.2 | 3 |

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| 103 | Reconstruction of Historic Forest Cover Changes Indicates Minor Effects on Carbon Stocks in Swiss Forest Soils. *Ecosystems*, **2017**, 20, 1512-1528 | 3.9 | 16 |
| 102 | On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystems□ study from SE China. *Journal of Plant Ecology*, **2017**, 10, 111-127 | 1.7 | 68 |
| 101 | Biodiversity: Complementary canopies. *Nature Ecology and Evolution*, **2017**, 1, 104 | 12.3 | 12 |
| 100 | Opposing intraspecific vs. interspecific diversity effects on herbivory and growth in subtropical experimental tree assemblages. *Journal of Plant Ecology*, **2017**, 10, 242-251 | 1.7 | 29 |
| 99 | Tree diversity drives diversity of arthropod herbivores, but successional stage mediates detritivores. *Ecology and Evolution*, **2017**, 7, 8753-8760 | 2.8 | 15 |
| 98 | Integrative research efforts at the boundary of biodiversity and global change research. *Current Opinion in Environmental Sustainability*, **2017**, 29, 215-222 | 7.2 | 5 |
| 97 | Leaf litter diversity positively affects the decomposition of plant polyphenols. *Plant and Soil*, **2017**, 419, 305-317 | 4.2 | 11 |
| 96 | Biodiversity promotes primary productivity and growing season lengthening at the landscape scale. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10160-10165 | 11.5 | 62 |
| 95 | Leaf litter diversity alters microbial activity, microbial abundances, and nutrient cycling in a subtropical forest ecosystem. *Biogeochemistry*, **2017**, 134, 163-181 | 3.8 | 23 |
| 94 | Nitrogen fixation by Alnus species boosts soil nitrous oxide emissions. *European Journal of Soil Science*, **2017**, 68, 740-748 | 3.4 | 3 |
| 93 | Does species richness of subtropical tree leaf litter affect decomposition, nutrient release, transfer and subsequent uptake by plants?. *Soil Biology and Biochemistry*, **2017**, 115, 44-53 | 7.5 | 10 |
| 92 | Toward a methodical framework for comprehensively assessing forest multifunctionality. *Ecology and Evolution*, **2017**, 7, 10652-10674 | 2.8 | 32 |
| 91 | Shrub growth rate and bark responses to soil warming and nutrient addition □A dendroecological approach in a field experiment. *Dendrochronologia*, **2017**, 45, 12-22 | 2.8 | 3 |
| 90 | Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. *Basic and Applied Ecology*, **2017**, 23, 1-73 | 3.2 | 184 |
| 89 | Spatio-temporal dynamics of soil CH4 uptake after application of N fertilizer with and without the nitrification inhibitor 3,4- dimethylpyrazole phosphate (DMPP). *Soil Biology and Biochemistry*, **2017**, 104, 218-225 | 7.5 | 9 |
| 88 | A guide to analyzing biodiversity experiments. *Journal of Plant Ecology*, **2017**, 10, 91-110 | 1.7 | 58 |
| 87 | Positive effects of tree species diversity on litterfall quantity and quality along a secondary successional chronosequence in a subtropical forest. *Journal of Plant Ecology*, **2017**, 10, 28-35 | 1.7 | 40 |
| 86 | Tree diversity increases levels of herbivore damage in a subtropical forest canopy: evidence for dietary mixing by arthropods?. *Journal of Plant Ecology*, **2017**, 10, 13-27 | 1.7 | 28 |

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| 85 | Leaf area increases with species richness in young experimental stands of subtropical trees. *Journal of Plant Ecology*, **2017**, 10, 128-135 | 1.7 | 26 |
| 84 | Leaching of soils during laboratory incubations does not affect soil organic carbon mineralisation but solubilisation. *PLoS ONE*, **2017**, 12, e0174725 | 3.7 | 8 |
| 83 | Decomposing functional trait associations in a Chinese subtropical forest. *PLoS ONE*, **2017**, 12, e0175727 | 3.7 | 11 |
| 82 | Experimental soil warming and cooling alters the partitioning of recent assimilates: evidence from a (14)C-labelling study at the alpine treeline. *Oecologia*, **2016**, 181, 25-37 | 2.9 | 10 |
| 81 | Positive biodiversity-productivity relationship predominant in global forests. *Science*, **2016**, 354, | 33.3 | 593 |
| 80 | Interactive effects between plant functional types and soil factors on tundra species diversity and community composition. *Ecology and Evolution*, **2016**, 6, 8126-8137 | 2.8 | 13 |
| 79 | Direct vs. Microclimate-Driven Effects of Tree Species Diversity on Litter Decomposition in Young Subtropical Forest Stands. *PLoS ONE*, **2016**, 11, e0160569 | 3.7 | 10 |
| 78 | Tree Diversity Enhances Stand Carbon Storage but Not Leaf Area in a Subtropical Forest. *PLoS ONE*, **2016**, 11, e0167771 | 3.7 | 21 |
| 77 | Options of partners improve carbon for phosphorus trade in the arbuscular mycorrhizal mutualism. *Ecology Letters*, **2016**, 19, 648-56 | 10 | 43 |
| 76 | Plant species diversity affects soil-atmosphere fluxes of methane and nitrous oxide. *Oecologia*, **2016**, 181, 919-30 | 2.9 | 42 |
| 75 | Tracking litter-derived dissolved organic matter along a soil chronosequence using 14C imaging: Biodegradation, physico-chemical retention or preferential flow?. *Soil Biology and Biochemistry*, **2015**, 88, 333-343 | 7.5 | 32 |
| 74 | Effects of warming and drought on potential N2O emissions and denitrifying bacteria abundance in grasslands with different land-use. *FEMS Microbiology Ecology*, **2015**, 91, | 4.3 | 27 |
| 73 | Throughfall kinetic energy in young subtropical forests: Investigation on tree species richness effects and spatial variability. *Agricultural and Forest Meteorology*, **2015**, 213, 148-159 | 5.8 | 31 |
| 72 | Treeline soil warming does not affect soil methane fluxes and the spatial micro-distribution of methanotrophic bacteria. *Soil Biology and Biochemistry*, **2015**, 86, 164-171 | 7.5 | 15 |
| 71 | Compositional and functional stability of aerobic methane consuming communities in drained and rewetted peat meadows. *FEMS Microbiology Ecology*, **2015**, 91, | 4.3 | 4 |
| 70 | Biodiversity increases the resistance of ecosystem productivity to climate extremes. *Nature*, **2015**, 526, 574-7 | 50.4 | 647 |
| 69 | Episodic High CH4 Emission Events can Damage the Potential of Soils to Act as CH4 Sink: Evidence from 17 Years of CO2 Enrichment in a Temperate Grassland Ecosystem. *Procedia Environmental Sciences*, **2015**, 29, 208-209 | | 0 |
| 68 | Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. *Global Change Biology*, **2015**, 21, 4076-85 | 11.4 | 105 |

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| 67 | The 'island effect' in terrestrial global change experiments: a problem with no solution?. *AoB PLANTS*, **2015**, 7, | 2.9 | 9 |
| 66 | The influence of leaf litter diversity and soil fauna on initial soil erosion in subtropical forests. *Earth Surface Processes and Landforms*, **2015**, 40, 1439-1447 | 3.7 | 33 |
| 65 | Effects of plant diversity, functional group composition, and fertilization on soil microbial properties in experimental grassland. *PLoS ONE*, **2015**, 10, e0125678 | 3.7 | 25 |
| 64 | Effects of Long-Term CO2 Enrichment on Soil-Atmosphere CH4 Fluxes and the Spatial Micro-Distribution of Methanotrophic Bacteria. *PLoS ONE*, **2015**, 10, e0131665 | 3.7 | 5 |
| 63 | Flood pulses control soil nitrogen cycling in a dynamic river floodplain. *Geoderma*, **2014**, 228-229, 14-24 | 6.7 | 36 |
| 62 | Can current moisture responses predict soil CO<sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments. *Biogeosciences*, **2014**, 11, 2991-3013 | 4.6 | 60 |
| 61 | Corrigendum to "Can current moisture responses predict soil CO<sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments". *Biogeosciences*, **2014**, 11, 3307-3308 | 4.6 | 8 |
| 60 | Anthropogenic and natural methane fluxes in Switzerland synthesized within a spatially explicit inventory. *Biogeosciences*, **2014**, 11, 1941-1959 | 4.6 | 31 |
| 59 | Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical China. *Methods in Ecology and Evolution*, **2014**, 5, 74-89 | 7.7 | 179 |
| 58 | Trait-based approaches for understanding microbial biodiversity and ecosystem functioning. *Frontiers in Microbiology*, **2014**, 5, 251 | 5.7 | 212 |
| 57 | Resistance and resilience of the forest soil microbiome to logging-associated compaction. *ISME Journal*, **2014**, 8, 226-44 | 11.9 | 194 |
| 56 | Tree species traits but not diversity mitigate stem breakage in a subtropical forest following a rare and extreme ice storm. *PLoS ONE*, **2014**, 9, e96022 | 3.7 | 7 |
| 55 | A comparison of the strength of biodiversity effects across multiple functions. *Oecologia*, **2013**, 173, 223-37 | 2.9 | 82 |
| 54 | Effects of drought and N-fertilization on N cycling in two grassland soils. *Oecologia*, **2013**, 171, 705-17 | 2.9 | 64 |
| 53 | Field-scale manipulation of soil temperature and precipitation change soil CO2 flux in a temperate agricultural ecosystem. *Agriculture, Ecosystems and Environment*, **2013**, 165, 88-97 | 5.7 | 65 |
| 52 | Soil-atmosphere fluxes of the greenhouse gases CO2, CH4 and N2O in a mountain spruce forest subjected to long-term N addition and to tree girdling. *Agricultural and Forest Meteorology*, **2013**, 181, 61-68 | 5.8 | 30 |
| 51 | Biodiversity promotes tree growth during succession in subtropical forest. *PLoS ONE*, **2013**, 8, e81246 | 3.7 | 83 |
| 50 | Effect of clear-cutting silviculture on soil respiration in a subtropical forest of China. *Journal of Plant Ecology*, **2013**, 6, 335-348 | 1.7 | 12 |

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| 49 | Soil environmental conditions and microbial build-up mediate the effect of plant diversity on soil nitrifying and denitrifying enzyme activities in temperate grasslands. *PLoS ONE*, **2013**, 8, e61069 | 3.7 | 59 |
| 48 | Analysis of carbon and nitrogen dynamics in riparian soils: model validation and sensitivity to environmental controls. *Science of the Total Environment*, **2012**, 429, 246-56 | 10.2 | 14 |
| 47 | Increasing soil methane sink along a 120-year afforestation chronosequence is driven by soil moisture. *Global Change Biology*, **2012**, 18, 3664-3671 | 11.4 | 68 |
| 46 | Forest soil respiration reflects plant productivity across a temperature gradient in the Alps. *Oecologia*, **2012**, 170, 1143-54 | 2.9 | 21 |
| 45 | Above- and below-ground methane fluxes and methanotrophic activity in a landfill-cover soil. *Waste Management*, **2012**, 32, 879-89 | 8.6 | 51 |
| 44 | Effects of simulated drought and nitrogen fertilizer on plant productivity and nitrous oxide (N2O) emissions of two pastures. *Plant and Soil*, **2012**, 361, 411-426 | 4.2 | 48 |
| 43 | Do grassland plant communities profit from N partitioning by soil depth?. *Ecology*, **2012**, 93, 2386-96 | 4.6 | 35 |
| 42 | Soil nitrogen dynamics in a river floodplain mosaic. *Journal of Environmental Quality*, **2012**, 41, 2033-45 | 3.4 | 19 |
| 41 | Heterogeneity of soil carbon pools and fluxes in a channelized and a restored floodplain section (Thur River, Switzerland). *Hydrology and Earth System Sciences*, **2011**, 15, 1757-1769 | 5.5 | 39 |
| 40 | Interactive effects of drought and N fertilization on the spatial distribution of methane assimilation in grassland soils. *Global Change Biology*, **2011**, 17, 2629-2639 | 11.4 | 56 |
| 39 | Effects of N fertilizers and liming on the micro-scale distribution of soil methane assimilation in the long-term Park Grass experiment at Rothamsted. *Soil Biology and Biochemistry*, **2011**, 43, 1034-1041 | 7.5 | 25 |
| 38 | A study of soil methane sink regulation in two grasslands exposed to drought and N fertilization. *Plant and Soil*, **2011**, 342, 265-275 | 4.2 | 43 |
| 37 | A meta-analysis of responses of soil biota to global change. *Oecologia*, **2011**, 165, 553-65 | 2.9 | 285 |
| 36 | Heavy-machinery traffic impacts methane emissions as well as methanogen abundance and community structure in oxic forest soils. *Applied and Environmental Microbiology*, **2011**, 77, 6060-8 | 4.8 | 69 |
| 35 | Indirect effects of soil moisture reverse soil C sequestration responses of a spring wheat agroecosystem to elevated CO2. *Global Change Biology*, **2010**, 16, 469-483 | 11.4 | 32 |
| 34 | Diversity promotes temporal stability across levels of ecosystem organization in experimental grasslands. *PLoS ONE*, **2010**, 5, e13382 | 3.7 | 79 |
| 33 | Competition for light causes plant biodiversity loss after eutrophication. *Science*, **2009**, 324, 636-8 | 33.3 | 798 |
| 32 | Belowground nitrogen partitioning in experimental grassland plant communities of varying species richness. *Ecology*, **2009**, 90, 1389-99 | 4.6 | 105 |

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| 31 | Interactive effects of plant species diversity and elevated CO2 on soil biota and nutrient cycling. *Ecology*, **2007**, 88, 3153-63 | 4.6 | 32 |
| 30 | Estimating soil carbon sequestration under elevated CO2 by combining carbon isotope labelling with soil carbon cycle modelling. *Global Change Biology*, **2006**, 12, 1909-1921 | 11.4 | 36 |
| 29 | Effects of Plant Species Diversity and Composition on Nitrogen Cycling and the Trace Gas Balance of Soils. *Plant and Soil*, **2006**, 282, 83-98 | 4.2 | 103 |
| 28 | Climate Change Effects on Biogeochemical Cycles, Nutrients, and Water Supply. *Advances in Agroecology*, **2006**, 11-55 | | 2 |
| 27 | SYNTHESIS OF A SIX-YEAR STUDY OF CALCAREOUS GRASSLAND RESPONSES TO IN SITU CO2 ENRICHMENT. *Ecological Monographs*, **2004**, 74, 491-511 | 9 | 103 |
| 26 | Effects of long term CO2 enrichment on microbial community structure in calcareous grassland. *Plant and Soil*, **2004**, 264, 313-323 | 4.2 | 54 |
| 25 | Water relations in grassland and desert ecosystems exposed to elevated atmospheric CO2. *Oecologia*, **2004**, 140, 11-25 | 2.9 | 371 |
| 24 | Six years of in situ CO2 enrichment evoke changes in soil structure and soil biota of nutrient-poor grassland. *Global Change Biology*, **2003**, 9, 585-600 | 11.4 | 128 |
| 23 | Long term CO2 enrichment stimulates N-mineralisation and enzyme activities in calcareous grassland. *Soil Biology and Biochemistry*, **2003**, 35, 965-972 | 7.5 | 85 |
| 22 | Respiratory carbon loss of calcareous grasslands in winter shows no effects of 4 years CO2 enrichment. *Functional Ecology*, **2002**, 16, 162-166 | 5.6 | 11 |
| 21 | IN SITU DEVELOPMENT OF A SATYRID BUTTERFLY ON CALCAREOUS GRASSLAND EXPOSED TO ELEVATED CARBON DIOXIDE. *Ecology*, **2002**, 83, 1399-1411 | 4.6 | 19 |
| 20 | A link between plant diversity, elevated CO and soil nitrate. *Oecologia*, **2001**, 127, 540-548 | 2.9 | 97 |
| 19 | Carbon allocation in calcareous grassland under elevated CO2: a combined 13C pulse-labelling/soil physical fractionation study. *Functional Ecology*, **2001**, 15, 43-50 | 5.6 | 44 |
| 18 | Effects of six years atmospheric CO2 enrichment on plant, soil, and soil microbial C of a calcareous grassland. *Plant and Soil*, **2001**, 233, 189-202 | 4.2 | 46 |
| 17 | A LONG-TERM FIELD STUDY ON BIODIVERSITY ELEVATED CO2 INTERACTIONS IN GRASSLAND. *Ecological Monographs*, **2001**, 71, 341-356 | 9 | 104 |
| 16 | Dynamics of root systems in native grasslands: effects of elevated atmospheric CO2. *New Phytologist*, **2000**, 147, 73-85 | 9.8 | 112 |
| 15 | CO2 flux estimates tend to overestimate ecosystem C sequestration at elevated CO2. *Functional Ecology*, **2000**, 14, 546-559 | 5.6 | 19 |
| 14 | Soil moisture effects determine CO responses of grassland species. *Oecologia*, **2000**, 125, 380-388 | 2.9 | 112 |

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| 13 | A field study of the effects of elevated CO2 and plant species diversity on ecosystem-level gas exchange in a planted calcareous grassland. *Global Change Biology*, **1999**, 5, 95-105 | 11.4 | 57 |
| 12 | A field study of the effects of elevated CO(2) on plant biomass and community structure in a calcareous grassland. *Oecologia*, **1999**, 118, 39-49 | 2.9 | 133 |
| 11 | Nutrient relations in calcareous grassland under elevated CO. *Oecologia*, **1998**, 116, 67-75 | 2.9 | 82 |
| 10 | Soil moisture dynamics of calcareous grassland under elevated CO. *Oecologia*, **1998**, 117, 201-208 | 2.9 | 123 |
| 9 | Effects of elevated atmospheric CO2 on soil microbiota in calcareous grassland. *Global Change Biology*, **1998**, 4, 451-458 | 11.4 | 54 |
| 8 | The responses of alpine grassland to four seasons of CO2 enrichment: a synthesis. *Acta Oecologica*, **1997**, 18, 165-175 | 1.7 | 89 |
| 7 | Screen-aided CO2 control (SACC): a middle ground between FACE and open-top chambers. *Acta Oecologica*, **1997**, 18, 207-219 | 1.7 | 38 |
| 6 | Responses of soil microbiota of a late successional alpine grassland to long term CO2 enrichment. *Plant and Soil*, **1996**, 184, 219-229 | 4.2 | 61 |
| 5 | Kinetics and thermodynamics of formation of copper-dioxygen adducts: oxygenation of mononuclear copper(I) complexes containing tripodal tetradentate ligands. *Journal of the American Chemical Society*, **1993**, 115, 9506-9514 | 16.4 | 191 |
| 4 | Effects of plant community history, soil legacy and plant diversity on soil microbial communities | | 1 |
| 3 | Strong positive biodiversityProductivity relationships in a subtropical forest experiment | | 1 |
| 2 | Plant traits are poor predictors of long-term ecosystem functioning | | 2 |
| 1 | Soil Fungi Promote BiodiversityProductivity Relationships in Experimental Communities of Young Trees. *Ecosystems*,1 | 3.9 | 0 |