

Per Ambus

List of Publications by Year in descending order

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133
papers

8,692
citations

47006

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48315

88
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137
all docs

137
docs citations

137
times ranked

9776
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric composition change: Ecosystemsâ€™ Atmosphere interactions. Atmospheric Environment, 2009, 43, 5193-5267.	4.1	609
2	Full accounting of the greenhouse gas (CO ₂ , N ₂ O, CH ₄) budget of nine European grassland sites. Agriculture, Ecosystems and Environment, 2007, 121, 121-134.	5.3	409
3	Effects of slow and fast pyrolysis biochar on soil C and N turnover dynamics. Soil Biology and Biochemistry, 2012, 46, 73-79.	8.8	401
4	Interspecific competition, N use and interference with weeds in peaâ€™barley intercropping. Field Crops Research, 2001, 70, 101-109.	5.1	351
5	Freezeâ€™thaw regime effects on carbon and nitrogen dynamics in sub-arctic heath tundra mesocosms. Soil Biology and Biochemistry, 2004, 36, 641-654.	8.8	301
6	Influence of fast pyrolysis temperature on biochar labile fraction and short-term carbon loss in a loamy soil. Biomass and Bioenergy, 2011, 35, 1182-1189.	5.7	275
7	Effects of climate and management intensity on nitrous oxide emissions in grassland systems across Europe. Agriculture, Ecosystems and Environment, 2007, 121, 135-152.	5.3	262
8	Peaâ€™barley intercropping for efficient symbiotic N ₂ -fixation, soil N acquisition and use of other nutrients in European organic cropping systems. Field Crops Research, 2009, 113, 64-71.	5.1	222
9	Evaluating effects of sewage sludge and household compost on soil physical, chemical and microbiological properties. Applied Soil Ecology, 2002, 19, 237-248.	4.3	219
10	Reduced N cycling in response to elevated CO ₂ , warming, and drought in a Danish heathland: Synthesizing results of the CLIMAITE project after two years of treatments. Global Change Biology, 2011, 17, 1884-1899.	9.5	213
11	How does biochar influence soil N cycle? A meta-analysis. Plant and Soil, 2018, 426, 211-225.	3.7	210
12	Title is missing!. Plant and Soil, 2001, 236, 63-74.	3.7	184
13	The comparison of nitrogen use and leaching in sole cropped versus intercropped pea and barley. Nutrient Cycling in Agroecosystems, 2003, 65, 289-300.	2.2	174
14	Spatial and Seasonal Nitrous Oxide and Methane Fluxes in Danish Forestâ€™ Grasslandâ€™ and Agroecosystems. Journal of Environmental Quality, 1995, 24, 993-1001.	2.0	151
15	Biochar application as a tool to decrease soil nitrogen losses (NH_3) Tj ETQq1 1 0.784314 rgBT /Overlock 10 strength in a global perspective. Global Change Biology, 2019, 25, 2077-2093.	9.5	151
16	Application of biochar to soil and N ₂ O emissions: potential effects of blending fast-pyrolysis biochar with anaerobically digested slurry. European Journal of Soil Science, 2011, 62, 581-589.	3.9	150
17	The competitive ability of peaâ€™barley intercrops against weeds and the interactions with crop productivity and soil N availability. Field Crops Research, 2011, 122, 264-272.	5.1	145
18	Biomass production, symbiotic nitrogen fixation and inorganic N use in dual and tri-component annual intercrops. Plant and Soil, 2005, 266, 273-287.	3.7	127

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19	Enzymatic Evidence for the Key Role of Arginine in Nitrogen Translocation by Arbuscular Mycorrhizal Fungi. <i>Plant Physiology</i> , 2007, 144, 782-792.	4.8	125
20	Effects of digestate from anaerobically digested cattle slurry and plant materials on soil microbial community and emission of CO ₂ and N ₂ O. <i>Applied Soil Ecology</i> , 2013, 63, 36-44.	4.3	120
21	Measurement of N ₂ O emission from a fertilized grassland: An analysis of spatial variability. <i>Journal of Geophysical Research</i> , 1994, 99, 16549.	3.3	113
22	Common arbuscular mycorrhizal networks amplify competition for phosphorus between seedlings and established plants. <i>New Phytologist</i> , 2013, 200, 229-240.	7.3	107
23	Biosphere-atmosphere exchange of reactive nitrogen and greenhouse gases at the NitroEurope core flux measurement sites: Measurement strategy and first data sets. <i>Agriculture, Ecosystems and Environment</i> , 2009, 133, 139-149.	5.3	104
24	Emissions of nitrous oxide from arable organic and conventional cropping systems on two soil types. <i>Agriculture, Ecosystems and Environment</i> , 2010, 136, 199-208.	5.3	103
25	The Effect of Increased N Deposition on Nitrous oxide, Methane and Carbon dioxide Fluxes from Unmanaged Forest and Grassland Communities in Michigan. <i>Biogeochemistry</i> , 2006, 79, 315-337.	3.5	97
26	Soil respiration is stimulated by elevated CO ₂ and reduced by summer drought: three years of measurements in a multifactor ecosystem manipulation experiment in a temperate heathland (CLIMAITE). <i>Global Change Biology</i> , 2012, 18, 1216-1230.	9.5	97
27	Terrestrial plant methane production and emission. <i>Physiologia Plantarum</i> , 2012, 144, 201-209.	5.2	97
28	Comparison of Denitrification in Two Riparian Soils. <i>Soil Science Society of America Journal</i> , 1991, 55, 994-997.	2.2	93
29	Effects of temperature, ultraviolet radiation and pectin methyl esterase on aerobic methane release from plant material. <i>Plant Biology</i> , 2009, 11, 43-48.	3.8	91
30	Nitrous oxide emission from an agricultural field: Comparison between measurements by flux chamber and micrometeorological techniques. <i>Atmospheric Environment</i> , 1996, 30, 4183-4190.	4.1	88
31	Micrometeorological and chamber methods for measurement of nitrous oxide fluxes between soils and the atmosphere: Overview and conclusions. <i>Journal of Geophysical Research</i> , 1994, 99, 16541.	3.3	87
32	Nitrogen processes in terrestrial ecosystems. , 2011, , 99-125.		77
33	Experimental design of multifactor climate change experiments with elevated CO ₂ , warming and drought: the CLIMAITE project. <i>Functional Ecology</i> , 2008, 22, 185-195.	3.6	75
34	Natural ¹⁵ N abundance of soil N pools and N ₂ O reflect the nitrogen dynamics of forest soils. <i>Plant and Soil</i> , 2007, 295, 79-94.	3.7	74
35	Can current moisture responses predict soil CO ₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments. <i>Biogeosciences</i> , 2014, 11, 2991-3013.	3.3	74
36	Application of the DNDC model to predict emissions of N ₂ O from Irish agriculture. <i>Geoderma</i> , 2009, 151, 327-337.	5.1	70

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37	Nitrogen mineralization and denitrification as influenced by crop residue particle size. <i>Plant and Soil</i> , 1997, 197, 261-270.	3.7	66
38	Photorespiration Contributes to Stomatal Regulation and Carbon Isotope Fractionation: A Study with Barley, Potato and Arabidopsis Plants Deficient in Glycine Decarboxylase. <i>Photosynthesis Research</i> , 2004, 81, 139-152.	2.9	64
39	Productivity and carbon footprint of perennial grass-forage legume intercropping strategies with high or low nitrogen fertilizer input. <i>Science of the Total Environment</i> , 2016, 541, 1339-1347.	8.0	64
40	Denitrification variability and control in a riparian fen irrigated with agricultural drainage water. <i>Soil Biology and Biochemistry</i> , 1993, 25, 915-923.	8.8	61
41	Plant-mediated nitrous oxide emissions from beech (<i>Fagus sylvatica</i>) leaves. <i>New Phytologist</i> , 2005, 168, 93-98.	7.3	61
42	Pan-European $\delta^{13}C$ values of air and organic matter from forest ecosystems. <i>Global Change Biology</i> , 2005, 11, 1065-1093.	9.5	60
43	The influence of water stress on biomass and N accumulation, N partitioning between above and below ground parts and on N rhizodeposition during reproductive growth of pea (<i>Pisum sativum</i> L.). <i>Soil Biology and Biochemistry</i> , 2009, 41, 380-387.	8.8	59
44	Nitrous oxide production by denitrification and nitrification in temperate forest, grassland and agricultural soils. <i>European Journal of Soil Science</i> , 1998, 49, 495-502.	3.9	57
45	Emissions of nitrous oxide from Irish arable soils: effects of tillage and reduced N input. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 86, 53-65.	2.2	57
46	Leaf surface wax is a source of plant methane formation under UV radiation and in the presence of oxygen. <i>Plant Biology</i> , 2014, 16, 512-516.	3.8	54
47	Carbon footprint of rice production under biochar amendment – a case study in a Chinese rice cropping system. <i>GCB Bioenergy</i> , 2016, 8, 148-159.	5.6	54
48	Control of denitrification enzyme activity in a streamside soil. <i>FEMS Microbiology Letters</i> , 1993, 102, 225-234.	1.8	50
49	Plant nutrient mobilization in temperate heathland responds to elevated CO_2 , temperature and drought. <i>Plant and Soil</i> , 2010, 328, 381-396.	3.7	49
50	Fluxes of CH_4 and N_2O in aspen stands grown under ambient and twice-ambient CO_2 . <i>Plant and Soil</i> , 1999, 209, 1-8.	3.7	48
51	Redistribution of Slurry Components as Influenced by Injection Method, Soil, and Slurry Properties. <i>Journal of Environmental Quality</i> , 2003, 32, 2399-2409.	2.0	46
52	Assessing the use of ^{13}C natural abundance in separation of root and microbial respiration in a Danish beech (<i>Fagus sylvatica</i> L.) forest. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 897-902.	1.5	43
53	Effects of elevated atmospheric CO_2 , prolonged summer drought and temperature increase on N_2O and CH_4 fluxes in a temperate heathland. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1660-1670.	8.8	43
54	Bacteria and Fungi Respond Differently to Multifactorial Climate Change in a Temperate Heathland, Traced with ^{13}C -Glycine and FACE CO_2 . <i>PLoS ONE</i> , 2014, 9, e85070.	2.5	42

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55	Pea-barley intercropping and short-term subsequent crop effects across European organic cropping conditions. <i>Nutrient Cycling in Agroecosystems</i> , 2009, 85, 141-155.	2.2	40
56	Biologically Fixed N ₂ as a Source for N ₂ O Production in a Grass-clover Mixture, Measured by ¹⁵ N ₂ . <i>Nutrient Cycling in Agroecosystems</i> , 2006, 74, 13-26.	2.2	39
57	Long-term effects of cropping system on N ₂ O emission potential. <i>Soil Biology and Biochemistry</i> , 2013, 57, 706-712.	8.8	39
58	Enhanced priming of old, not new soil carbon at elevated atmospheric CO ₂ . <i>Soil Biology and Biochemistry</i> , 2016, 100, 140-148.	8.8	39
59	Cowpea N rhizodeposition and its below-ground transfer to a co-existing and to a subsequent millet crop on a sandy soil of the Sudano-Sahelian eco-zone. <i>Plant and Soil</i> , 2011, 340, 369-382.	3.7	37
60	Methane Oxidation in Pig and Cattle Slurry Storages, and Effects of Surface Crust Moisture and Methane Availability. <i>Nutrient Cycling in Agroecosystems</i> , 2006, 74, 1-11.	2.2	36
61	Short-term carbon and nitrogen cycling in urine patches assessed by combined carbon-13 and nitrogen-15 labelling. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 84-92.	5.3	35
62	Combined climate factors alleviate changes in gross soil nitrogen dynamics in heathlands. <i>Biogeochemistry</i> , 2014, 120, 191-201.	3.5	34
63	Relationship Between Gross Nitrogen Cycling and Nitrous Oxide Emission in Grass-clover Pasture. <i>Nutrient Cycling in Agroecosystems</i> , 2005, 72, 189-199.	2.2	33
64	Glycine uptake in heath plants and soil microbes responds to elevated temperature, CO ₂ and drought. <i>Acta Oecologica</i> , 2009, 35, 786-796.	1.1	33
65	Nitrogen turnover rates in a riparian fen determined by ¹⁵ N dilution. <i>Biology and Fertility of Soils</i> , 1992, 14, 230-236.	4.3	31
66	Influence of ¹⁵ N enrichment on the net isotopic fractionation factor during the reduction of nitrate to nitrous oxide in soil. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1447-1451.	1.5	31
67	Effects of green manure storage and incorporation methods on nitrogen release and N ₂ O emissions after soil application. <i>Biology and Fertility of Soils</i> , 2014, 50, 1233-1246.	4.3	31
68	Effects of clover density on N ₂ O emissions and plant-soil N transfers in a fertilised upland pasture. <i>Plant and Soil</i> , 2011, 343, 97-107.	3.7	30
69	The natural abundance of ¹⁵ N 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.	3.7	30
70	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2001, 60, 15-21.	2.2	29
71	Postfire nitrogen balance of Mediterranean shrublands: Direct combustion losses versus gaseous and leaching losses from the postfire soil mineral nitrogen flush. <i>Global Change Biology</i> , 2018, 24, 4505-4520.	9.5	29
72	Deepened winter snow significantly influences the availability and forms of nitrogen taken up by plants in High Arctic tundra. <i>Soil Biology and Biochemistry</i> , 2019, 135, 222-234.	8.8	29

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73	A review of the importance of mineral nitrogen cycling in the plant-soil-microbe system of permafrost-affected soils—changing the paradigm. <i>Environmental Research Letters</i> , 2022, 17, 013004.	5.2	29
74	Consequences of field N_2O emissions for the environmental sustainability of plant-based biofuels produced within an organic farming system. <i>GCB Bioenergy</i> , 2012, 4, 435-452.	5.6	27
75	Belowground heathland responses after 2 years of combined warming, elevated CO ₂ and summer drought. <i>Biogeochemistry</i> , 2010, 101, 27-42.	3.5	26
76	Collembola feeding habits and niche specialization in agricultural grasslands of different composition. <i>Soil Biology and Biochemistry</i> , 2014, 74, 31-38.	8.8	26
77	Long-term and realistic global change manipulations had low impact on diversity of soil biota in temperate heathland. <i>Scientific Reports</i> , 2017, 7, 41388.	3.3	25
78	Similar N ₂ O flux from soil measured with different chamber techniques. <i>Atmospheric Environment Part A General Topics</i> , 1993, 27, 121-123.	1.3	24
79	Impact of future climatic conditions on the potential for soil organic matter priming. <i>Soil Biology and Biochemistry</i> , 2013, 65, 133-140.	8.8	24
80	UV-induced carbon monoxide emission from living vegetation. <i>Biogeosciences</i> , 2013, 10, 7877-7882.	3.3	24
81	Nitrogen rhizodeposition from soybean (<i>Glycine max</i>) and its impact on nutrient budgets in two contrasting environments of the Guinean savannah zone of Nigeria. <i>Nutrient Cycling in Agroecosystems</i> , 2009, 84, 49-58.	2.2	23
82	Microbial biomass, microbial diversity, soil carbon storage, and stability after incubation of soil from grass-clover pastures of different age. <i>Biology and Fertility of Soils</i> , 2012, 48, 371-383.	4.3	23
83	Fire increases the risk of higher soil N ₂ O emissions from Mediterranean Macchia ecosystems. <i>Soil Biology and Biochemistry</i> , 2015, 82, 44-51.	8.8	23
84	Oxidation of ¹³ C-labeled methane in surface crusts of pig- and cattle slurry. <i>Isotopes in Environmental and Health Studies</i> , 2005, 41, 125-133.	1.0	22
85	Organic matter flow in the food web at a temperate heath under multifactorial climate change. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1485-1496.	1.5	21
86	Use of feathers to assess polychlorinated biphenyl and organochlorine pesticide exposure in top predatory bird species of Pakistan. <i>Science of the Total Environment</i> , 2016, 569-570, 1408-1417.	8.0	21
87	Context-dependent tree species effects on soil nitrogen transformations and related microbial functional genes. <i>Biogeochemistry</i> , 2018, 140, 145-160.	3.5	21
88	Biodegradation of chlorinated solvents in a water unsaturated topsoil. <i>Chemosphere</i> , 2003, 51, 143-152.	8.2	20
89	UV-induced N ₂ O emission from plants. <i>Atmospheric Environment</i> , 2014, 99, 206-214.	4.1	20
90	Biological ¹² C– ¹³ C fractionation increases with increasing community-complexity in soil microcosms. <i>Soil Biology and Biochemistry</i> , 2014, 69, 197-201.	8.8	20

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91	CROP RESIDUE MANAGEMENT STRATEGIES TO REDUCE N-LOSSESâ€”INTERACTION WITH CROP N SUPPLY. <i>Communications in Soil Science and Plant Analysis</i> , 2001, 32, 981-996.	1.4	19
92	A decade of freeâ€”air CO_2 enrichment increased the carbon throughput in a grassâ€”clover ecosystem but did not drastically change carbon allocation patterns. <i>Functional Ecology</i> , 2014, 28, 538-545.	3.6	18
93	Short-term utilization of carbon by the soil microbial community under future climatic conditions in a temperate heathland. <i>Soil Biology and Biochemistry</i> , 2014, 68, 9-19.	8.8	18
94	Impact of decade-long warming, nutrient addition and shading on emission and carbon isotopic composition of CO_2 from two subarctic dwarf shrub heaths. <i>Soil Biology and Biochemistry</i> , 2017, 111, 15-24.	8.8	18
95	Gas cleaning with hot char beds studied by stable isotopes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 174-182.	5.5	17
96	Accumulation of soil carbon under elevated CO_2 unaffected by warming and drought. <i>Global Change Biology</i> , 2019, 25, 2970-2977.	9.5	17
97	Gross N transformation rates after application of household compost or domestic sewage sludge. <i>Agronomy for Sustainable Development</i> , 2002, 22, 723-730.	0.8	17
98	Development of an accumulationâ€”based system for costâ€”effective chamber measurements of inert trace gas fluxes. <i>European Journal of Soil Science</i> , 2010, 61, 785-792.	3.9	15
99	Annual maize and perennial grass-clover strip cropping for increased resource use efficiency and productivity using organic farming practice as a model. <i>European Journal of Agronomy</i> , 2013, 47, 55-64.	4.1	15
100	Individual variation of persistent organic pollutants in relation to stable isotope ratios, sex, reproductive phase and oxidative status in Scopoli's shearwaters (<i>Calonectris diomedea</i>) from the Southern Mediterranean. <i>Science of the Total Environment</i> , 2017, 598, 179-187.	8.0	13
101	Linking rhizospheric CH_4 oxidation and net CH_4 emissions in an arctic wetland based on $^{13}\text{CH}_4$ labeling of mesocosms. <i>Plant and Soil</i> , 2017, 412, 201-213.	3.7	13
102	Resistance of soil protein depolymerization rates to eight years of elevated CO_2 , warming, and summer drought in a temperate heathland. <i>Biogeochemistry</i> , 2018, 140, 255-267.	3.5	13
103	Inorganic carbon fluxes across the vadose zone of planted and unplanted soil mesocosms. <i>Biogeosciences</i> , 2014, 11, 7179-7192.	3.3	12
104	The first exposure assessment of legacy and unrestricted brominated flame retardants in predatory birds of Pakistan. <i>Environmental Pollution</i> , 2017, 220, 1208-1219.	7.5	12
105	Nitrous oxide surface fluxes in a low Arctic heath: Effects of experimental warming along a natural snowmelt gradient. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108346.	8.8	12
106	Reactive nitrogen and greenhouse gas flux interactions in terrestrial ecosystems. <i>Plant and Soil</i> , 2011, 343, 1-3.	3.7	11
107	Is methane released from the forest canopy?. <i>IForest</i> , 2011, 4, 200-204.	1.4	11
108	Priming of Soil Carbon Decomposition in Two Inner Mongolia Grassland Soils following Sheep Dung Addition: A Study Using ^{13}C Natural Abundance Approach. <i>PLoS ONE</i> , 2013, 8, e78578.	2.5	11

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109	Effects of two wood-based biochars on the fate of added fertilizer nitrogen—a 15N tracing study. <i>Biology and Fertility of Soils</i> , 2021, 57, 457-470.	4.3	11
110	Fire increases soil nitrogen retention and alters nitrogen uptake patterns among dominant shrub species in an Arctic dry heath tundra. <i>Science of the Total Environment</i> , 2022, 807, 150990.	8.0	11
111	Stabilization and plant uptake of N from 15N-labelled pea residue 16.5 years after incorporation in soil. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1998-2000.	8.8	10
112	Corrigendum to “Can current moisture responses predict soil CO ₂ and CH ₄ efflux under altered precipitation regimes? A synthesis of manipulation experiments”. <i>Biogeosciences</i> , 2014, 11, 3307-3308.	3.3	10
113	Effects of Lime and Concrete Waste on Vadose Zone Carbon Cycling. <i>Vadose Zone Journal</i> , 2014, 13, 1-11.	2.2	10
114	Activity of Type I Methanotrophs Dominates under High Methane Concentration: Methanotrophic Activity in Slurry Surface Crusts as Influenced by Methane, Oxygen, and Inorganic Nitrogen. <i>Journal of Environmental Quality</i> , 2017, 46, 767-775.	2.0	10
115	Effects of fire on CO ₂ , CH ₄ , and N ₂ O exchange in a well-drained Arctic heath ecosystem. <i>Global Change Biology</i> , 2022, 28, 4882-4899.	9.5	10
116	Measurement of carbon dioxide fluxes in a free-air carbon dioxide enrichment experiment using the closed flux chamber technique. <i>Atmospheric Environment</i> , 2011, 45, 208-214.	4.1	9
117	Paddy soil drainage influences residue carbon contribution to methane emissions. <i>Journal of Environmental Management</i> , 2018, 225, 168-176.	7.8	9
118	Nitrogen transport in a tundra landscape: the effects of early and late growing season lateral N inputs on arctic soil and plant N pools and N ₂ O fluxes. <i>Biogeochemistry</i> , 2022, 157, 69-84.	3.5	9
119	<i>In situ</i> ¹³ C CO ₂ pulse-labeling in a temperate heathland—development of a mobile multi-plot field setup. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1417-1428.	1.5	8
120	Urea in Weaver Ant Feces: Quantification and Investigation of the Uptake and Translocation of Urea in <i>Coffea arabica</i> . <i>Journal of Plant Growth Regulation</i> , 2016, 35, 803-814.	5.1	8
121	Effects of experimental fire in combination with climate warming on greenhouse gas fluxes in Arctic tundra soils. <i>Science of the Total Environment</i> , 2021, 795, 148847.	8.0	8
122	Nitrous oxide emission from <i>Ulva lactuca</i> incubated in batch cultures is stimulated by nitrite, nitrate and light. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 448, 37-45.	1.5	7
123	Isotopic methods for non-destructive assessment of carbon dynamics in shrublands under long-term climate change manipulation. <i>Methods in Ecology and Evolution</i> , 2018, 9, 866-880.	5.2	6
124	Combining a Quantum Cascade Laser Spectrometer with an Automated Closed-Chamber System for ¹³ C Measurements of Forest Soil, Tree Stem and Tree Root CO ₂ Fluxes. <i>Forests</i> , 2019, 10, 432.	2.1	6
125	Production of N ₂ O in soil during decomposition of dead yeast cells with different spatial distributions. <i>Plant and Soil</i> , 1996, 181, 7-12.	3.7	5
126	Strip cropping of alternating perennial grass—clover and annual rye—vetch intercrops when grown within an organic farming system. <i>Field Crops Research</i> , 2012, 136, 1-11.	5.1	5

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127	Technical Note: Mesocosm approach to quantify dissolved inorganic carbon percolation fluxes. Biogeosciences, 2014, 11, 1077-1084.	3.3	5
128	Combined effects of glacial retreat and penguin activity on soil greenhouse gas fluxes on South Georgia, sub-Antarctica. Science of the Total Environment, 2020, 718, 135255.	8.0	5
129	Nitrogen isotopes reveal high N retention in plants and soil of old Norse and Inuit deposits along a wet-dry arctic fjord transect in Greenland. Plant and Soil, 2020, 455, 241-255.	3.7	5
130	Natural Carbon Isotopes Used to Study Methane Consumption and Production in Soil. Isotopes in Environmental and Health Studies, 2002, 38, 149-157.	1.0	4
131	Modelling impacts of lateral N flows and seasonal warming on an arctic footslope ecosystem N budget and N ₂ O emissions based on species-level responses. Biogeochemistry, 2022, 158, 195-213.	3.5	4
132	The Influence of Grain Legume and Tillage Strategies on CO ₂ and N ₂ O Gas Exchange under Varied Environmental Conditions. Agriculture (Switzerland), 2021, 11, 464.	3.1	2
133	Solar UV Irradiation-Induced Production of Greenhouse Gases from Plant Surfaces: From Leaf to Earth. Progress in Botany Fortschritte Der Botanik, 2016, , 407-437.	0.3	0