

Ralf Kiese

List of Publications by Citations

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132
papers

6,651
citations

41
h-index

78
g-index

145
ext. papers

7,780
ext. citations

6.6
avg, IF

5.83
L-index

#	Paper	IF	Citations
132	Nitrous oxide emissions from soils: how well do we understand the processes and their controls?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130122	5.8	1285
131	A Network of Terrestrial Environmental Observatories in Germany. <i>Vadose Zone Journal</i> , 2011 , 10, 955-973	7.7	332
130	Nitrous oxide emissions from a cropped soil in a semi-arid climate. <i>Global Change Biology</i> , 2008 , 14, 177-194	19.4	194
129	N ₂ O and CO ₂ emissions from three different tropical forest sites in the wet tropics of Queensland, Australia. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 975-987	7.5	181
128	Climate-land-use interactions shape tropical mountain biodiversity and ecosystem functions. <i>Nature</i> , 2019 , 568, 88-92	50.4	173
127	The nitrogen cycle: A review of isotope effects and isotope modeling approaches. <i>Soil Biology and Biochemistry</i> , 2017 , 105, 121-137	7.5	154
126	Inventories of N ₂ O and NO emissions from European forest soils. <i>Biogeosciences</i> , 2005 , 2, 353-375	4.6	147
125	Effects of soil temperature and moisture on methane uptake and nitrous oxide emissions across three different ecosystem types. <i>Biogeosciences</i> , 2013 , 10, 3205-3219	4.6	145
124	Stand age-related effects on soil respiration in a first rotation Sitka spruce chronosequence in central Ireland. <i>Global Change Biology</i> , 2006 , 12, 1007-1020	11.4	125
123	Trade-offs between soil carbon sequestration and reactive nitrogen losses under straw return in global agroecosystems. <i>Global Change Biology</i> , 2018 , 24, 5919-5932	11.4	123
122	N ₂ O, CH ₄ and CO ₂ emissions from seasonal tropical rainforests and a rubber plantation in Southwest China. <i>Plant and Soil</i> , 2006 , 289, 335-353	4.2	121
121	Temporal variations of fluxes of NO, NO ₂ , N ₂ O, CO ₂ , and CH ₄ in a tropical rain forest ecosystem. <i>Global Biogeochemical Cycles</i> , 2004 , 18, n/a-n/a	5.9	118
120	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018 , 628-629, 1369-1394	19.2	117
119	Seasonal and spatial variability of soil respiration in four Sitka spruce stands. <i>Plant and Soil</i> , 2006 , 287, 161-176	4.2	113
118	Seasonal variability of N ₂ O emissions and CH ₄ uptake by tropical rainforest soils of Queensland, Australia. <i>Global Biogeochemical Cycles</i> , 2003 , 17, n/a-n/a	5.9	112
117	Temperature and Moisture Effects on Nitrification Rates in Tropical Rain-Forest Soils. <i>Soil Science Society of America Journal</i> , 2002 , 66, 834-844	2.5	103
116	Soil-atmosphere exchange of N ₂ O, CH ₄ , and CO ₂ and controlling environmental factors for tropical rain forest sites in western Kenya. <i>Journal of Geophysical Research</i> , 2007 , 112,		101

115	LandscapeDNDC: a process model for simulation of biosphere-atmosphere-hydrosphere exchange processes at site and regional scale. <i>Landscape Ecology</i> , 2013 , 28, 615-636	4.3	98
114	Greenhouse gas fluxes from an Australian subtropical cropland under long-term contrasting management regimes. <i>Global Change Biology</i> , 2011 , 17, 3089-3101	11.4	98
113	Environmental factors controlling temporal and spatial variability in the soil-atmosphere exchange of CO ₂ , CH ₄ and N ₂ O from an Australian subtropical rainforest. <i>Global Change Biology</i> , 2012 , 18, 726-738	11.4	94
112	Regional application of PnET-N-DNDC for estimating the N ₂ O source strength of tropical rainforests in the Wet Tropics of Australia. <i>Global Change Biology</i> , 2005 , 11, 128-144	11.4	94
111	Greenhouse gas emissions and global warming potential of traditional and diversified tropical rice rotation systems. <i>Global Change Biology</i> , 2016 , 22, 432-48	11.4	88
110	Bioethanol production from sugarcane and emissions of greenhouse gases [known and unknowns]. <i>GCB Bioenergy</i> , 2011 , 3, 277-292	5.6	74
109	Nitrous oxide fluxes from a grain-legume crop (narrow-leafed lupin) grown in a semiarid climate. <i>Global Change Biology</i> , 2011 , 17, 1153-1166	11.4	74
108	Soil-atmosphere exchange of greenhouse gases in a Eucalyptus marginata woodland, a clover-grass pasture, and Pinus radiata and Eucalyptus globulus plantations. <i>Global Change Biology</i> , 2009 , 15, 425-440	11.4	74
107	A Bayesian framework for model calibration, comparison and analysis: Application to four models for the biogeochemistry of a Norway spruce forest. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1609-1621	5.8	67
106	Nitrogen processes in terrestrial ecosystems 2009 , 99-125		67
105	Methane and nitrous oxide emissions from rice and maize production in diversified rice cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2015 , 101, 37-53	3.3	55
104	Impacts of climate and land use on N O and CH fluxes from tropical ecosystems in the Mt. Kilimanjaro region, Tanzania. <i>Global Change Biology</i> , 2018 , 24, 1239-1255	11.4	53
103	Effects of climate warming on carbon fluxes in grasslands—A global meta-analysis. <i>Global Change Biology</i> , 2019 , 25, 1839-1851	11.4	47
102	Modelling forest carbon balances considering tree mortality and removal. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 179-190	5.8	46
101	Climate change amplifies gross nitrogen turnover in montane grasslands of Central Europe in both summer and winter seasons. <i>Global Change Biology</i> , 2016 , 22, 2963-78	11.4	45
100	Greenhouse gas fluxes over managed grasslands in Central Europe. <i>Global Change Biology</i> , 2018 , 24, 1843-1872	11.4	44
99	Seasonal dynamic of gross nitrification and N ₂ O emission at two tropical rainforest sites in Queensland, Australia. <i>Plant and Soil</i> , 2008 , 309, 105-117	4.2	44
98	Quantification of nitrate leaching from German forest ecosystems by use of a process oriented biogeochemical model. <i>Environmental Pollution</i> , 2011 , 159, 3204-14	9.3	42

97	Standardisation of chamber technique for CO ₂ , N ₂ O and CH ₄ fluxes measurements from terrestrial ecosystems. <i>International Agrophysics</i> , 2018 , 32, 569-587	2	42
96	The SCALEX Campaign: Scale-Crossing Land Surface and Boundary Layer Processes in the TERENO-preAlpine Observatory. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 1217-1234	6.1	41
95	A case study of eddy covariance flux of N ₂ O measured within forest ecosystems: quality control and flux error analysis. <i>Biogeosciences</i> , 2010 , 7, 427-440	4.6	41
94	Future scenarios of N ₂ O and NO emissions from European forest soils. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a		41
93	Evaluation of energy balance closure adjustment methods by independent evapotranspiration estimates from lysimeters and hydrological simulations. <i>Hydrological Processes</i> , 2018 , 32, 39-50	3.3	41
92	The TERENO Pre-Alpine Observatory: Integrating Meteorological, Hydrological, and Biogeochemical Measurements and Modeling. <i>Vadose Zone Journal</i> , 2018 , 17, 180060	2.7	41
91	Community-weighted means and functional dispersion of plant functional traits along environmental gradients on Mount Kilimanjaro. <i>Journal of Vegetation Science</i> , 2017 , 28, 684-695	3.1	40
90	Gas pooling: A sampling technique to overcome spatial heterogeneity of soil carbon dioxide and nitrous oxide fluxes. <i>Soil Biology and Biochemistry</i> , 2013 , 67, 20-23	7.5	40
89	Simulating soil N ₂ O emissions and heterotrophic CO ₂ respiration in arable systems using FASSET and MoBILE-DNDC. <i>Plant and Soil</i> , 2011 , 343, 139-160	4.2	40
88	Impacts of management and climate change on nitrate leaching in a forested karst area. <i>Journal of Environmental Management</i> , 2016 , 165, 243-252	7.9	39
87	A modeling study on mitigation of N ₂ O emissions and NO ₃ leaching at different agricultural sites across Europe using LandscapeDNDC. <i>Science of the Total Environment</i> , 2016 , 553, 128-140	10.2	39
86	Soil nitrous oxide and methane fluxes are low from a bioenergy crop (canola) grown in a semi-arid climate. <i>GCB Bioenergy</i> , 2010 , 2, 1-15	5.6	39
85	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review. <i>International Agrophysics</i> , 2018 , 32, 439-455	2	39
84	Land Use and Precipitation Affect Organic and Microbial Carbon Stocks and the Specific Metabolic Quotient in Soils of Eleven Ecosystems of Mt. Kilimanjaro, Tanzania. <i>Land Degradation and Development</i> , 2016 , 27, 592-602	4.4	39
83	A new LandscapeDNDC biogeochemical module to predict CH ₄ and N ₂ O emissions from lowland rice and upland cropping systems. <i>Plant and Soil</i> , 2015 , 386, 125-149	4.2	38
82	Effect of weather data aggregation on regional crop simulation for different crops, production conditions, and response variables. <i>Climate Research</i> , 2015 , 65, 141-157	1.6	38
81	The nitrogen, carbon and greenhouse gas budget of a grazed, cut and fertilised temperate grassland. <i>Biogeosciences</i> , 2017 , 14, 2069-2088	4.6	37
80	Temperature and Moisture Effects on Nitrification Rates in Tropical Rain-Forest Soils 2002 , 66, 834		35

79	Greenhouse gas fluxes in a drained peatland forest during spring frost-thaw event. <i>Biogeosciences</i> , 2010 , 7, 1715-1727	4.6	33
78	Variability of effects of spatial climate data aggregation on regional yield simulation by crop models. <i>Climate Research</i> , 2015 , 65, 53-69	1.6	33
77	Influence of nitrogen fertiliser application and timing on greenhouse gas emissions from a lychee (<i>Litchi chinensis</i>) orchard in humid subtropical Australia. <i>Agriculture, Ecosystems and Environment</i> , 2013 , 179, 168-178	5.7	32
76	Comparison of the DNDC, LandscapeDNDC and IAP-N-GAS models for simulating nitrous oxide and nitric oxide emissions from the winter wheat/summer maize rotation system. <i>Agricultural Systems</i> , 2015 , 140, 1-10	6.1	29
75	Trace gas flux and the influence of short-term soil water and temperature dynamics in Australian sheep grazed pastures of differing productivity. <i>Plant and Soil</i> , 2008 , 309, 89-103	4.2	29
74	Attribution of N ₂ O sources in a grassland soil with laser spectroscopy based isotopocule analysis. <i>Biogeosciences</i> , 2019 , 16, 3247-3266	4.6	28
73	Modeling N ₂ O emissions from steppe in Inner Mongolia, China, with consideration of spring thaw and grazing intensity. <i>Plant and Soil</i> , 2012 , 350, 297-310	4.2	27
72	Modelling of microbial carbon and nitrogen turnover in soil with special emphasis on N-trace gases emission. <i>Plant and Soil</i> , 2011 , 346, 297-330	4.2	26
71	Estimation and mitigation of N ₂ O emission and nitrate leaching from intensive crop cultivation in the Haean catchment, South Korea. <i>Science of the Total Environment</i> , 2015 , 529, 40-53	10.2	24
70	Seasonality of stable isotope composition of atmospheric water input at the southern slopes of Mt. Kilimanjaro, Tanzania. <i>Hydrological Processes</i> , 2017 , 31, 3932-3947	3.3	24
69	Increased methane uptake but unchanged nitrous oxide flux in montane grasslands under simulated climate change conditions. <i>European Journal of Soil Science</i> , 2013 , 64, 586-596	3.4	24
68	Impacts of climate and management on water balance and nitrogen leaching from montane grassland soils of S-Germany. <i>Environmental Pollution</i> , 2017 , 229, 119-131	9.3	24
67	Disentangling gross NO production and consumption in soil. <i>Scientific Reports</i> , 2016 , 6, 36517	4.9	23
66	A dense network of cosmic-ray neutron sensors for soil moisture observation in a highly instrumented pre-Alpine headwater catchment in Germany. <i>Earth System Science Data</i> , 2020 , 12, 2289-2309	10.5	22
65	Simultaneous quantification of N ₂ , NH ₃ and N ₂ O emissions from a flooded paddy field under different N fertilization regimes. <i>Global Change Biology</i> , 2019 , 26, 2292	11.4	22
64	Evaluating the precision of eight spatial sampling schemes in estimating regional means of simulated yield for two crops. <i>Environmental Modelling and Software</i> , 2016 , 80, 100-112	5.2	21
63	Simulation of N ₂ O emissions and nitrate leaching from plastic mulch radish cultivation with LandscapeDNDC. <i>Ecological Research</i> , 2014 , 29, 441-454	1.9	21
62	Accuracy and precision of photoacoustic spectroscopy not guaranteed. <i>Global Change Biology</i> , 2013 , 19, 3565-7	11.4	21

61	Impact analysis of climate data aggregation at different spatial scales on simulated net primary productivity for croplands. <i>European Journal of Agronomy</i> , 2017 , 88, 41-52	5	20
60	Site specific and regional estimates of methane uptake by tropical rainforest soils in north eastern Australia. <i>Plant and Soil</i> , 2008 , 309, 211-226	4.2	20
59	Nitrification activity in tropical rain forest soils of the Coastal Lowlands and Atherton Tablelands, Queensland, Australia. <i>Journal of Plant Nutrition and Soil Science</i> , 2002 , 165, 682-685	2.3	20
58	Greenhouse gas footprint of diversifying rice cropping systems: Impacts of water regime and organic amendments. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 270-271, 41-54	5.7	20
57	Dinitrogen emissions: an overlooked key component of the N balance of montane grasslands. <i>Biogeochemistry</i> , 2019 , 143, 15-30	3.8	19
56	Measurements of biosphere-atmosphere exchange of CH ₄ in terrestrial ecosystems. <i>Methods in Enzymology</i> , 2011 , 495, 271-87	1.7	19
55	Spatial variations of nitrogen trace gas emissions from tropical mountain forests in Nyungwe, Rwanda. <i>Biogeosciences</i> , 2012 , 9, 1451-1463	4.6	18
54	Environmental change impacts on the C- and N-cycle of European forests: a model comparison study. <i>Biogeosciences</i> , 2013 , 10, 1751-1773	4.6	17
53	How well can we assess impacts of agricultural land management changes on the total greenhouse gas balance (CO ₂ , CH ₄ and N ₂ O) of tropical rice-cropping systems with a biogeochemical model?. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 224, 104-115	5.7	17
52	Plant niche breadths along environmental gradients and their relationship to plant functional traits. <i>Diversity and Distributions</i> , 2018 , 24, 1869-1882	5	16
51	Nitrogen turnover and greenhouse gas emissions in a tropical alpine ecosystem, Mt. Kilimanjaro, Tanzania. <i>Plant and Soil</i> , 2017 , 411, 243-259	4.2	16
50	Simulation of CO ₂ Fluxes in European Forest Ecosystems with the Coupled Soil-Vegetation Process Model LandscapeDNDC-Forests, 2015 , 6, 1779-1809	2.8	16
49	Nitrous oxide emissions from stems of ash (<i>Fraxinus angustifolia</i> Vahl) and European beech (<i>Fagus sylvatica</i> L.). <i>Plant and Soil</i> , 2016 , 398, 35-45	4.2	16
48	Exploring impacts of vegetated buffer strips on nitrogen cycling using a spatially explicit hydro-biogeochemical modeling approach. <i>Environmental Modelling and Software</i> , 2017 , 90, 55-67	5.2	15
47	Rejecting hydro-biogeochemical model structures by multi-criteria evaluation. <i>Environmental Modelling and Software</i> , 2017 , 93, 1-12	5.2	15
46	Historic nitrogen deposition determines future climate change effects on nitrogen retention in temperate forests. <i>Climatic Change</i> , 2017 , 144, 221-235	4.5	15
45	Diurnal patterns of methane emissions from paddy rice fields in the Philippines. <i>Journal of Plant Nutrition and Soil Science</i> , 2015 , 178, 755-767	2.3	15
44	Parameter-induced uncertainty quantification of soil N ₂ O, NO and CO ₂ emission from H ₂ O spruce forest (Germany) using the LandscapeDNDC model. <i>Biogeosciences</i> , 2012 , 9, 3983-3998	4.6	15

43	Predicting forage quality of species-rich pasture grasslands using vis-NIRS to reveal effects of management intensity and climate change. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 296, 106929	5.7	14
42	Validation of Sentinel-2 fAPAR products using ground observations across three forest ecosystems. <i>Remote Sensing of Environment</i> , 2019 , 232, 111310	13.2	14
41	Stable carbon and nitrogen isotopic composition of leaves, litter, and soils of various ecosystems along an elevational and land-use gradient at Mount Kilimanjaro, Tanzania. <i>Biogeosciences</i> , 2019 , 16, 409-424	4.6	13
40	Cold season soil NO fluxes from a temperate forest: drivers and contribution to annual budgets. <i>Environmental Research Letters</i> , 2016 , 11, 114012	6.2	13
39	Importance of soil NO emissions for the total atmospheric NOx budget of Saxony, Germany. <i>Atmospheric Environment</i> , 2017 , 152, 61-76	5.3	12
38	Constraining N cycling in the ecosystem model LandscapeDNDC with the stable isotope model SIMONE. <i>Ecology</i> , 2019 , 100, e02675	4.6	12
37	Carbon–nitrogen interactions in European forests and semi-natural vegetation [Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020 , 17, 1583-1620	4.6	12
36	Soil research challenges in response to emerging agricultural soil management practices. <i>Advances in Agronomy</i> , 2020 , 179-240	7.7	11
35	Constraining a complex biogeochemical model for CO ₂ and N ₂ O emission simulations from various land uses by model–data fusion. <i>Biogeosciences</i> , 2017 , 14, 3487-3508	4.6	11
34	Gross Nitrogen Turnover of Natural and Managed Tropical Ecosystems at Mt. Kilimanjaro, Tanzania. <i>Ecosystems</i> , 2016 , 19, 1271-1288	3.9	11
33	Gross nitrogen turnover rates of a tropical lower montane forest soil: Impacts of sample preparation and storage. <i>Soil Biology and Biochemistry</i> , 2016 , 95, 8-10	7.5	11
32	N ₂ O emissions from maize production in South-West Germany and evaluation of N ₂ O mitigation potential under single and combined inhibitor application. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 269, 215-223	5.7	11
31	Global Research Alliance N ₂ O chamber methodology guidelines: Considerations for automated flux measurement. <i>Journal of Environmental Quality</i> , 2020 , 49, 1126-1140	3.4	10
30	Legume and Non-legume Trees Increase Soil Carbon Sequestration in Savanna. <i>Ecosystems</i> , 2017 , 20, 989-999	3.9	9
29	Controlling factors of carbon dynamics in grassland soils of Bavaria between 1989 and 2016. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 280, 118-128	5.7	9
28	Dinitrogen (N ₂) pulse emissions during freeze-thaw cycles from montane grassland soil. <i>Biology and Fertility of Soils</i> , 2020 , 56, 959-972	6.1	9
27	Substantial understory contribution to the C sink of a European temperate mountain forest landscape. <i>Landscape Ecology</i> , 2020 , 35, 483-499	4.3	9
26	Seasonal dynamics and profiles of soil NO concentrations in a temperate forest. <i>Plant and Soil</i> , 2019 , 445, 335-348	4.2	9

25	Dissolved organic carbon leaching from montane grasslands under contrasting climate, soil and management conditions. <i>Biogeochemistry</i> , 2019 , 145, 47-61	3.8	8
24	New records of very high nitrous oxide fluxes from rice cannot be generalized for water management and climate impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1464-1465	11.5	8
23	Assessing the variability and uncertainty of two-flux FAPAR measurements in a conifer-dominated forest. <i>Agricultural and Forest Meteorology</i> , 2019 , 264, 149-163	5.8	8
22	Processes that determine the interplay of root exudation, methane emission and yield in rice agriculture. <i>Plant Biology</i> , 2018 , 20, 951-955	3.7	7
21	Edge effects on NO, NO and CH fluxes in two temperate forests. <i>Science of the Total Environment</i> , 2017 , 575, 1150-1155	10.2	6
20	Intensive slurry management and climate change promote nitrogen mining from organic matter-rich montane grassland soils. <i>Plant and Soil</i> , 2020 , 456, 81-98	4.2	6
19	Biotic and abiotic controls on carbon storage in aggregates in calcareous alpine and prealpine grassland soils. <i>Biology and Fertility of Soils</i> , 2021 , 57, 203-218	6.1	6
18	Significance of Forests as Sources for N ₂ O and NO. <i>NATO Science Series Series IV, Earth and Environmental Sciences</i> , 2005 , 173-191		6
17	Management Intensity Controls Nitrogen-Use-Efficiency and Flows in Grasslands: A 15N Tracing Experiment. <i>Agronomy</i> , 2020 , 10, 606	3.6	5
16	Seasonality and Budgets of Soil Greenhouse Gas Emissions From a Tropical Dry Forest Successional Gradient in Costa Rica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2020JG005647	3.7	5
15	Vegetation traits of pre-Alpine grasslands in southern Germany. <i>Scientific Data</i> , 2020 , 7, 316	8.2	4
14	Estimating dry biomass and plant nitrogen concentration in pre-Alpine grasslands with low-cost UAS-borne multispectral data: A comparison of sensors, algorithms, and predictor sets. <i>Biogeosciences</i> , 2022 , 19, 2699-2727	4.6	4
13	Earthworms offset straw-induced increase of greenhouse gas emission in upland rice production. <i>Science of the Total Environment</i> , 2020 , 710, 136352	10.2	3
12	Denitrification Is the Main Nitrous Oxide Source Process in Grassland Soils According to Quasi-Continuous Isotopocule Analysis and Biogeochemical Modeling. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2019GB006505	5.9	2
11	Parameter-Induced Uncertainty Quantification of Regional N ₂ O Emissions and NO ₃ Leaching using the Biogeochemical Model LandscapeDNDC. <i>Advances in Agricultural Systems Modeling</i> , 2015 , 149-171	0.3	2
10	Estimating dry biomass and plant nitrogen concentration in pre-Alpine grasslands with low-cost UAS-borne multispectral data: A comparison of sensors, algorithms, and predictor sets		2
9	Dynamic simulation of management events for assessing impacts of climate change on pre-alpine grassland productivity. <i>European Journal of Agronomy</i> , 2021 , 128, None	5	2
8	Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. <i>Nature Ecology and Evolution</i> , 2021 , 5, 1582-1593	12.3	2

7	Elevated CO ₂ negates O ₃ impacts on terrestrial carbon and nitrogen cycles. <i>One Earth</i> , 2021 , 4, 1752-1763	2
6	Direct N ₂ O emission from agricultural soils in Poland between 1960 and 2009. <i>Regional Environmental Change</i> , 2014 , 14, 1073-1082	4.3 1
5	Parallel Multiphysics Simulations Using OpenPALM with Application to Hydro-Biogeochemistry Coupling 2017 , 277-291	1
4	Climate Change Can Accelerate Depletion of Montane Grassland C Stocks. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006792	5.9 1
3	Soil type affects not only magnitude but also thermal sensitivity of NO emissions in subtropical mountain area. <i>Science of the Total Environment</i> , 2021 , 797, 149127	10.2 1
2	Effect of vole bioturbation on NO, NO ₂ , NH ₃ , CH ₄ and CO fluxes of slurry fertilized and non-fertilized montane grassland soils in Southern Germany. <i>Science of the Total Environment</i> , 2021 , 800, 149597	10.2 0
1	Options to correct local turbulent flux measurements for large-scale fluxes using an approach based on large-eddy simulation. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7835-7850	4 0