

Ute Skiba

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,469
citations

304368

22
h-index

288905

40
g-index

42
all docs

42
docs citations

42
times ranked

5943
citing authors

#	ARTICLE	IF	CITATIONS
1	The global nitrogen cycle in the twenty-first century. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130164.	1.8	1,114
2	Dissolved carbon leaching from soil is a crucial component of the net ecosystem carbon balance. <i>Global Change Biology</i> , 2011, 17, 1167-1185.	4.2	374
3	Land-use change to bioenergy production in Europe: implications for the greenhouse gas balance and soil carbon. <i>GCB Bioenergy</i> , 2012, 4, 372-391.	2.5	298
4	A review of soil NO transformation: Associated processes and possible physiological significance on organisms. <i>Soil Biology and Biochemistry</i> , 2015, 80, 92-117.	4.2	173
5	The uncertain climate footprint of wetlands under human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4594-4599.	3.3	171
6	How do soil emissions of N ₂ O, CH ₄ and CO ₂ from perennial bioenergy crops differ from arable annual crops?. <i>GCB Bioenergy</i> , 2012, 4, 408-419.	2.5	113
7	Methane emissions from soils: synthesis and analysis of a large UK data set. <i>Global Change Biology</i> , 2012, 18, 1657-1669.	4.2	107
8	The atmospheric budget of oxidized nitrogen and its role in ozone formation and deposition. <i>New Phytologist</i> , 1998, 139, 11-23.	3.5	104
9	Changes in carbon stock and greenhouse gas balance in a coffee (<i>Coffea arabica</i>) monoculture versus an agroforestry system with <i>Inga densiflora</i> , in Costa Rica. <i>Agriculture, Ecosystems and Environment</i> , 2012, 148, 102-110.	2.5	81
10	Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3196-3209.	1.8	78
11	Soil environmental variables affecting the flux of methane from a range of forest, moorland and agricultural soils. <i>Biogeochemistry</i> , 1996, 34, 113.	1.7	76
12	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.	0.7	76
13	Fluxes of greenhouse gases from Andosols under coffee in monoculture or shaded by <i>Inga densiflora</i> in Costa Rica. <i>Biogeochemistry</i> , 2008, 89, 329-345.	1.7	64
14	Bulk deposition of organic and inorganic nitrogen in southwest China from 2008 to 2013. <i>Environmental Pollution</i> , 2017, 227, 157-166.	3.7	63
15	Effect of N-fixing and non N-fixing trees and crops on NO and N ₂ O emissions from Senegalese soils. <i>Journal of Biogeography</i> , 2006, 33, 416-423.	1.4	59
16	Low cost and state of the art methods to measure nitrous oxide emissions. <i>Environmental Research Letters</i> , 2013, 8, 025022.	2.2	57
17	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.	0.7	55
18	Nitrogen dynamics and soil nitrate retention in a <i>Coffea arabica</i> - <i>Eucalyptus deglupta</i> agroforestry system in Southern Costa Rica. <i>Biogeochemistry</i> , 2007, 85, 125-139.	1.7	54

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19	Nitrogen transformation in coastal sands and dune soils. <i>Journal of Arid Environments</i> , 1984, 7, 1-8.	1.2	48
20	Nitrous oxide emission factors of mineral fertilisers in the UK and Ireland: A Bayesian analysis of 20 years of experimental data. <i>Environment International</i> , 2020, 135, 105366.	4.8	30
21	The impact of management and climate on soil nitric oxide fluxes from arable land in the Southern Ukraine. <i>Atmospheric Environment</i> , 2016, 137, 113-126.	1.9	27
22	A complete rethink is needed on how greenhouse gas emissions are quantified for national reporting. <i>Atmospheric Environment</i> , 2018, 174, 237-240.	1.9	26
23	From research to policy: optimizing the design of a national monitoring system to mitigate soil nitrous oxide emissions. <i>Current Opinion in Environmental Sustainability</i> , 2020, 47, 28-36.	3.1	20
24	The utility of process-based models for simulating N ₂ O emissions from soils: A case study based on Costa Rican coffee plantations. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2343-2355.	4.2	19
25	Comparison of methane, nitrous oxide fluxes and CO ₂ respiration rates from a Mediterranean cork oak ecosystem and improved pasture. <i>Plant and Soil</i> , 2014, 374, 883-898.	1.8	17
26	Inference of spatial heterogeneity in surface fluxes from eddy covariance data: A case study from a subarctic mire ecosystem. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107783.	1.9	17
27	Oxidation of elemental-S in coastal-dune sands and soils. <i>Plant and Soil</i> , 1984, 77, 87-95.	1.8	16
28	Ambient concentrations and deposition rates of selected reactive nitrogen species and their contribution to PM _{2.5} aerosols at three locations with contrasting land use in southwest China. <i>Environmental Pollution</i> , 2018, 233, 1164-1176.	3.7	14
29	Nitrogen use efficiency and N ₂ O and NH ₃ losses attributed to three fertiliser types applied to an intensively managed silage crop. <i>Biogeosciences</i> , 2019, 16, 4731-4745.	1.3	14
30	Oil palm plantations are large sources of nitrous oxide, but where are the data to quantify the impact on global warming?. <i>Current Opinion in Environmental Sustainability</i> , 2020, 47, 81-88.	3.1	13
31	The impact of atmospheric N deposition and N fertilizer type on soil nitric oxide and nitrous oxide fluxes from agricultural and forest Eutric Regosols. <i>Biology and Fertility of Soils</i> , 2020, 56, 1077-1090.	2.3	13
32	Reactive nitrogen and greenhouse gas flux interactions in terrestrial ecosystems. <i>Plant and Soil</i> , 2011, 343, 1-3.	1.8	11
33	Identifying Urine Patches on Intensively Managed Grassland Using Aerial Imagery Captured From Remotely Piloted Aircraft Systems. <i>Frontiers in Sustainable Food Systems</i> , 0, 2, .	1.8	11
34	Assay and properties of some sulphur enzymes in coastal sands. <i>Plant and Soil</i> , 1983, 70, 125-132.	1.8	9
35	Urea hydrolysis and transformations in coastal dune sands and soil. <i>Plant and Soil</i> , 1984, 82, 117-123.	1.8	9
36	Mitigating nitrous oxide emissions from agricultural soils by precision management. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 75.	0.9	9

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37	Sulphur oxidation by a <i>Streptomyces</i> sp. growing in a carbon-deficient medium and autoclaved soil. <i>Archives of Microbiology</i> , 1984, 139-139, 272-276.	1.0	8
38	Agricultural soils: A sink or source of methane across the <sc>British Isles</sc>?. <i>European Journal of Soil Science</i> , 2021, 72, 1842-1862.	1.8	8
39	The import and export of organic nitrogen species at a Scottish ombrotrophic peatland. <i>Biogeosciences</i> , 2016, 13, 2353-2365.	1.3	5
40	Assay of urease activity in marine sands – its use as an indicator of sewage contamination of beaches. <i>Enzyme and Microbial Technology</i> , 1982, 4, 310-312.	1.6	4
41	Comparing Soil Nitrous Oxide and Methane Fluxes From Oil Palm Plantations and Adjacent Riparian Forests in Malaysian Borneo. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	4