

Kathrin Fuchs

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

721
citations

840776

11
h-index

1058476

14
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20
all docs

20
docs citations

20
times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate impacts on global agriculture emerge earlier in new generation of climate and crop models. <i>Nature Food</i> , 2021, 2, 873-885.	14.0	263
2	Ecosystem transpiration and evaporation: Insights from three water flux partitioning methods across FLUXNET sites. <i>Global Change Biology</i> , 2020, 26, 6916-6930.	9.5	97
3	Stomatal optimization based on xylem hydraulics (SOX) improves land surface model simulation of vegetation responses to climate. <i>New Phytologist</i> , 2020, 226, 1622-1637.	7.3	95
4	Estimating global terrestrial denitrification from measured N ₂ O:(N ₂ O+â€”N ₂) product ratios. <i>Current Opinion in Environmental Sustainability</i> , 2020, 47, 72-80.	6.3	56
5	The use of biogeochemical models to evaluate mitigation of greenhouse gas emissions from managed grasslands. <i>Science of the Total Environment</i> , 2018, 642, 292-306.	8.0	41
6	Management matters: testing a mitigation strategy for nitrous oxide emissions using legumes on intensively managed grassland. <i>Biogeosciences</i> , 2018, 15, 5519-5543.	3.3	40
7	Livestock enclosures in drylands of Sub-Saharan Africa are overlooked hotspots of N ₂ O emissions. <i>Nature Communications</i> , 2020, 11, 4644.	12.8	27
8	Approaches and concepts of modelling denitrification: increased process understanding using observational data can reduce uncertainties. <i>Current Opinion in Environmental Sustainability</i> , 2020, 47, 37-45.	6.3	26
9	Evaluating the Potential of Legumes to Mitigate N ₂ O Emissions From Permanent Grassland Using Process-Based Models. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006561.	4.9	15
10	Improvement of modeling plant responses to low soil moisture in JULESv4.9 and evaluation against flux tower measurements. <i>Geoscientific Model Development</i> , 2021, 14, 3269-3294.	3.6	15
11	Multimodel Evaluation of Nitrous Oxide Emissions From an Intensively Managed Grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005261.	3.0	13
12	Modelling biological N fixation and grass-legume dynamics with process-based biogeochemical models of varying complexity. <i>European Journal of Agronomy</i> , 2019, 106, 58-66.	4.1	12
13	High-resolution modelling of interactions between soil moisture and convective development in a mountain enclosed Tibetan Basin. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4023-4040.	4.9	10
14	Are there memory effects on greenhouse gas emissions (CO ₂ and CH ₄) following grassland restoration?. <i>Biogeosciences</i> , 2021, 18, 1481-1498.	3.3	7