Kathrin Fuchs

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8031555/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Are there memory effects on greenhouse gas emissions (CO ₂ ,) Tj ETQ following grassland restoration?. Biogeosciences, 2021, 18, 1481-1498.	0q1 1 0.78 3.3	4314 rgBT /(7
2	Improvement of modeling plant responses to low soil moisture in JULESvn4.9 and evaluation against flux tower measurements. Geoscientific Model Development, 2021, 14, 3269-3294.	3.6	15
3	Climate impacts on global agriculture emerge earlier in new generation of climate and crop models. Nature Food, 2021, 2, 873-885.	14.0	263
4	Multimodel Evaluation of Nitrous Oxide Emissions From an Intensively Managed Grassland. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005261.	3.0	13
5	Stomatal optimization based on xylem hydraulics (SOX) improves land surface model simulation of vegetation responses to climate. New Phytologist, 2020, 226, 1622-1637.	7.3	95
6	Estimating global terrestrial denitrification from measured N2O:(N2O + N2) product ratios. Current Opinion in Environmental Sustainability, 2020, 47, 72-80.	6.3	56
7	Evaluating the Potential of Legumes to Mitigate N ₂ O Emissions From Permanent Grassland Using Processâ€Based Models. Global Biogeochemical Cycles, 2020, 34, e2020GB006561.	4.9	15
8	Ecosystem transpiration and evaporation: Insights from three water flux partitioning methods across FLUXNET sites. Global Change Biology, 2020, 26, 6916-6930.	9.5	97
9	Approaches and concepts of modelling denitrification: increased process understanding using observational data can reduce uncertainties. Current Opinion in Environmental Sustainability, 2020, 47, 37-45.	6.3	26
10	Livestock enclosures in drylands of Sub-Saharan Africa are overlooked hotspots of N2O emissions. Nature Communications, 2020, 11, 4644.	12.8	27
11	Modelling biological N fixation and grass-legume dynamics with process-based biogeochemical models of varying complexity. European Journal of Agronomy, 2019, 106, 58-66.	4.1	12
12	Management matters: testing a mitigation strategy for nitrous oxide emissions using legumes on intensively managed grassland. Biogeosciences, 2018, 15, 5519-5543.	3.3	40
13	The use of biogeochemical models to evaluate mitigation of greenhouse gas emissions from managed grasslands. Science of the Total Environment, 2018, 642, 292-306.	8.0	41
14	High-resolution modelling of interactions between soil moisture and convective development in a mountain enclosed Tibetan Basin. Hydrology and Earth System Sciences, 2015, 19, 4023-4040.	4.9	10