

Jan Reent Käster

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/431319/publications.pdf>

Version: 2024-02-01

9
papers

408
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental determinations of isotopic fractionation factors associated with N ₂ O production and reduction during denitrification in soils. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 134, 55-73.	3.9	81
2	Rapid shift from denitrification to nitrification in soil after biogas residue application as indicated by nitrous oxide isotopomers. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1671-1677.	8.8	62
3	Anaerobic digestates lower N ₂ O emissions compared to cattle slurry by affecting rate and product stoichiometry of denitrification – An N ₂ O isotopomer case study. <i>Soil Biology and Biochemistry</i> , 2015, 84, 65-74.	8.8	57
4	Novel laser spectroscopic technique for continuous analysis of N ₂ O isotopomers – application and intercomparison with isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 216-222.	1.5	50
5	Soil denitrification potential and its influence on N ₂ O reduction and N ₂ O isotopomer ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2363-2373.	1.5	46
6	Quantifying N ₂ O reduction to N ₂ during denitrification in soils via isotopic mapping approach: Model evaluation and uncertainty analysis. <i>Environmental Research</i> , 2019, 179, 108806.	7.5	46
7	Field measurement of ammonia emissions after nitrogen fertilization – A comparison between micrometeorological and chamber methods. <i>European Journal of Agronomy</i> , 2015, 71, 115-122.	4.1	36
8	N ₂ O source partitioning in soils using ¹⁵ N site preference values corrected for the N ₂ O reduction effect. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 620-626.	1.5	22
9	Cold season ammonia emissions from land spreading with anaerobic digestates from biogas production. <i>Atmospheric Environment</i> , 2014, 84, 35-38.	4.1	8