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Some chemical and physical factors affecting the rate and dynamics of nitrification in urine-affected soil

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#	Paper	IF	Citations
82	Nitrous oxide and dinitrogen emissions from urine-affected soil under controlled conditions. <i>Plant and Soil</i> , 1993 , 151, 127-138	4.2	99
81	Denitrification and N ₂ O emission from urine-affected grassland soil. <i>Plant and Soil</i> , 1994 , 163, 235-241	4.2	74
80	Nitrite in soils: accumulation and role in the formation of gaseous N compounds. <i>Fertilizer Research</i> , 1995 , 45, 81-89		177
79	The effect of increasing application rate of granular calcium ammonium nitrate on net nitrification in a laboratory study of grassland soils. <i>Fertilizer Research</i> , 1995 , 40, 155-161		9
78	Nitrous oxide fluxes from grassland in the Netherlands: II. Effects of soil type, nitrogen fertilizer application and grazing. <i>European Journal of Soil Science</i> , 1995 , 46, 541-549	3.4	110
77	The occurrence and possible sources of nitrite in a grazed, fertilized, grassland soil. <i>Soil Biology and Biochemistry</i> , 1995 , 27, 47-59	7.5	48
76	Determination of the simultaneous production and consumption of soil nitrite using ¹⁵ N. <i>Soil Biology and Biochemistry</i> , 1995 , 27, 839-844	7.5	22
75	Production of nitrite in soil by simultaneous nitrification and denitrification. <i>Soil Biology and Biochemistry</i> , 1996 , 28, 609-616	7.5	60
74	Soil pH and nitrogen changes following cattle and sheep urine deposition. <i>Communications in Soil Science and Plant Analysis</i> , 1997 , 28, 1253-1268	1.5	16
73	Use of a flowing helium atmosphere incubation technique to measure the effects of denitrification controls applied to intact cores of a clay soil. <i>Soil Biology and Biochemistry</i> , 1997 , 29, 1337-1344	7.5	69
72	Fate of ¹⁵ N labelled urine on four soil types. <i>Plant and Soil</i> , 1998 , 199, 195-203	4.2	75
71	Influence of the presence of nitrite and nitrate in soil on maize biomass production, nitrogen immobilization and nitrogen recovery. <i>Biology and Fertility of Soils</i> , 1998 , 27, 211-218	6.1	2
70	Emission of nitric oxide and nitrous oxide from soil under field and laboratory conditions. <i>Soil Biology and Biochemistry</i> , 1998 , 30, 1885-1893	7.5	71
69	Chemical fixation of ammonia to soil organic matter after application of urea. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 1998 , 48, 73-78	1.1	1
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67	Short-term N dynamics following application of ¹⁵ N-labeled urine to a sandy soil in summer. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 1049-1057	7.5	26
66	Effects of sheep night penning on soil nitrogen and plant growth. <i>New Zealand Journal of Agricultural Research</i> , 2001 , 44, 151-157	1.9	8

65	Gaseous Nitrogen Emissions from Livestock Farming Systems. 2001 , 255-289		19
64	Mineralization and nitrification potentials of grassland soils at shallow depth during laboratory incubation. <i>Journal of Plant Nutrition and Soil Science</i> , 2001 , 164, 497	2.3	9
63	Effect of temperature and nitrogen source on nitrification in a sandy soil. <i>Communications in Soil Science and Plant Analysis</i> , 2002 , 33, 1975-1989	1.5	37
62	Dicyandiamide slows nitrification in dairy cattle urine patches: effects on soil solution composition, soil pH and pasture yield. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 1461-1465	7.5	45
61	Effect of sodium chloride on denitrification in glucose amended soil treated with ammonium and nitrate nitrogen. <i>Journal of Plant Nutrition and Soil Science</i> , 2003 , 166, 594-600	2.3	17
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59	Dynamics of a pasture soil microbial community after deposition of cattle urine amended with [¹³ C]urea. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 6363-9	4.8	39
58	Short-term N ₂ O, CO ₂ , NH ₃ fluxes, and N/C transfers in a Danish grass-clover pasture after simulated urine deposition in autumn. <i>Journal of Plant Nutrition and Soil Science</i> , 2004 , 167, 568-576	2.3	45
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56	A ¹⁵ N tracing model to analyse N transformations in old grassland soil. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 619-632	7.5	143
55	Short-term nitrous oxide emissions from pasture soil as influenced by urea level and soil nitrate. <i>Plant and Soil</i> , 2004 , 267, 117-127	4.2	37
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52	Nitrous oxide emission from urine-treated soil as influenced by urine composition and soil physical conditions. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 463-473	7.5	131
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44	Influence of dicyandiamide on nitrogen transformation and losses in cow-urine-amended soil cores from grazed pasture. <i>Animal Production Science</i> , 2009 , 49, 253	1.4	21
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42	Chemical Composition of Pen Surface Layers of Beef Cattle Feedyards ¹ . <i>The Professional Animal Scientist</i> , 2009 , 25, 541-552		23
41	Effect of the nitrification inhibitor dicyandiamide on microbial communities and N ₂ O from an arable soil fertilized with ammonium sulphate. <i>Environmental Chemistry Letters</i> , 2010 , 8, 237-246	13.3	21
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33	Reductive soil disinfestation (RSD) alters gross N transformation rates and reduces NO and N ₂ O emissions in degraded vegetable soils. <i>Plant and Soil</i> , 2014 , 382, 269-280	4.2	15
32	Confirmation of co-denitrification in grazed grassland. <i>Scientific Reports</i> , 2015 , 5, 17361	4.9	48
31	Ammonium sorption and ammonia inhibition of nitrite-oxidizing bacteria explain contrasting soil N ₂ O production. <i>Scientific Reports</i> , 2015 , 5, 12153	4.9	89
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29	Effects of Tsunami on Ornithogenic Nitrogen in Soils at a Black-Tailed Gull Colony. <i>Ornithological Science</i> , 2015 , 14, 29-39	0.7	5
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