

Sissel Hansen

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,558
citations

471509

17
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

2064
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of atmospheric methane in Northern European soils, comparison with other ecosystems, and uncertainties in the global terrestrial sink. <i>Global Change Biology</i> , 2000, 6, 791-803.	9.5	372
2	N ₂ O and CH ₄ fluxes in soil influenced by fertilization and tractor traffic. <i>Soil Biology and Biochemistry</i> , 1993, 25, 621-630.	8.8	189
3	Soil structure, organic matter and earthworm activity in a comparison of cropping systems with contrasting tillage, rotations, fertilizer levels and manure use. <i>Agriculture, Ecosystems and Environment</i> , 2008, 124, 275-284.	5.3	140
4	Nitrogen mineralization and microbial biomass as affected by soil compaction. <i>Soil Biology and Biochemistry</i> , 1996, 28, 655-663.	8.8	139
5	Impact of reduced tillage on greenhouse gas emissions and soil carbon stocks in an organic grass-clover ley - winter wheat cropping sequence. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 324-333.	5.3	93
6	Aggregate associated carbon, nitrogen and sulfur and their ratios in long-term fertilized soils. <i>Soil and Tillage Research</i> , 2007, 95, 161-171.	5.6	56
7	Effects of green manure herbage management and its digestate from biogas production on barley yield, N recovery, soil structure and earthworm populations. <i>European Journal of Agronomy</i> , 2014, 52, 90-102.	4.1	56
8	Title is missing!. <i>Biogeochemistry</i> , 2000, 48, 323-339.	3.5	51
9	Reviews and syntheses: Review of causes and sources of N ₂ O emissions and NO ₃ ⁻ leaching from organic arable crop rotations. <i>Biogeosciences</i> , 2019, 16, 2795-2819.	3.3	50
10	Effects of manure treatment and soil compaction on plant production of a dairy farm system converting to organic farming practice. <i>Agriculture, Ecosystems and Environment</i> , 1996, 56, 173-186.	5.3	39
11	Aggregate Associated Sulfur Fractions in Long-term (>80 Years) Fertilized Soils. <i>Soil Science Society of America Journal</i> , 2007, 71, 163-170.	2.2	36
12	Earthworm populations in a cool and wet district as affected by tractor traffic and fertilisation. <i>Applied Soil Ecology</i> , 1999, 13, 237-250.	4.3	35
13	High Nitrogen Costs of Dairy Production in Europe: Worsened by Intensification. <i>Ambio</i> , 2005, 34, 598-606.	5.5	31
14	Predicting field N ₂ O emissions from crop residues based on their biochemical composition: A meta-analytical approach. <i>Science of the Total Environment</i> , 2022, 812, 152532.	8.0	30
15	A review and meta-analysis of mitigation measures for nitrous oxide emissions from crop residues. <i>Science of the Total Environment</i> , 2022, 828, 154388.	8.0	29
16	Simulating soil fertility management effects on crop yield and soil nitrogen dynamics in field trials under organic farming in Europe. <i>Field Crops Research</i> , 2019, 233, 1-11.	5.1	28
17	N ₂ O emission from organic barley cultivation as affected by green manure management. <i>Biogeosciences</i> , 2012, 9, 2747-2759.	3.3	27
18	Status of selenium and vitamin E on Norwegian organic sheep and dairy cattle farms. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2005, 55, 40-46.	0.2	15

#	ARTICLE	IF	CITATIONS
19	Potassium uptake and requirement in organic grassland farming. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 87, 137-149.	2.2	14
20	Yield Responses and Nutrient Utilization with the Use of Chopped Grass and Clover Material as Surface Mulches in an Organic Vegetable Growing System. <i>Biological Agriculture and Horticulture</i> , 2003, 21, 63-90.	1.0	13
21	Nitrous oxide emissions from a fertile grassland in Western Norway following the application of inorganic and organic fertilizers. <i>Nutrient Cycling in Agroecosystems</i> , 2014, 98, 71-85.	2.2	13
22	Variations of energy intensities and potential for improvements in energy utilisation on conventional and organic Norwegian dairy farms. <i>Journal of Cleaner Production</i> , 2017, 164, 301-314.	9.3	11
23	Discrimination of milk carbon footprints from different dairy farms when using IPCC Tier 1 methodology for calculation of GHG emissions from managed soils. <i>Journal of Cleaner Production</i> , 2018, 177, 899-907.	9.3	11
24	Effect of tractor weight, depth of ploughing and wheel placement during ploughing in an organic cereal rotation on contrasting soils. <i>Soil and Tillage Research</i> , 2009, 103, 433-441.	5.6	10
25	Embodied and operational energy in buildings on 20 Norwegian dairy farms – Introducing the building construction approach to agriculture. <i>Energy and Buildings</i> , 2015, 108, 330-345.	6.7	9
26	Variations in nitrogen utilisation on conventional and organic dairy farms in Norway. <i>Agricultural Systems</i> , 2017, 157, 11-21.	6.1	9
27	Links between profitability, nitrogen surplus, greenhouse gas emissions, and energy intensity on organic and conventional dairy farms. <i>Agroecology and Sustainable Food Systems</i> , 2019, 43, 957-983.	1.9	9
28	Comparison of the difference method and 15 N technique for studying the fate of nitrogen from plant residues in soil. <i>Biology and Fertility of Soils</i> , 1998, 26, 164-168.	4.3	7
29	Nitrogen fixation by red clover as related to the supply of Cobalt and Molybdenum from some Norwegian soils. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2004, 54, 97-101.	0.6	7
30	Copper, molybdenum and cobalt in herbage and ruminants from organic farms in Norway. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2005, 55, 21-30.	0.2	7
31	Factors affecting the concentration of Zn, Fe and Mn in herbage from organic farms and in relation to dietary requirements of ruminants. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2005, 55, 131-142.	0.6	7
32	High N relative to C mineralization of clover leaves at low temperatures in two contrasting soils. <i>Geoderma</i> , 2022, 406, 115483.	5.1	4
33	Roots and other residues from leys with or without red clover: Quality and effects on N ₂ O emission factors in a partly frozen soil following autumn ploughing. <i>Science of the Total Environment</i> , 2022, 831, 154582.	8.0	4
34	Willingness to Pay for Crowdfunding Local Agricultural Climate Solutions. <i>Sustainability</i> , 2021, 13, 9227.	3.2	3
35	High nitrogen costs of dairy production in Europe: worsened by intensification. <i>Ambio</i> , 2005, 34, 598-606.	5.5	3
36	Effect of soil compaction on N ₂ O emission from a soil fertilized with mineral fertilizer or cattle slurry. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 242017.	0.3	0

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37	N2O emissions from a cultivated mineral soil under different soil drainage conditions. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 128-138.	0.6	0