Sissel Hansen

List of Publications by Year
in descending order

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37	1,558	471509 17	361022 35
papers	citations	h-index	g-index

38	38	38	2064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High N relative to C mineralization of clover leaves at low temperatures in two contrasting soils. Geoderma, 2022, 406, 115483.	5.1	4
2	Predicting field N2O emissions from crop residues based on their biochemical composition: A meta-analytical approach. Science of the Total Environment, 2022, 812, 152532.	8.0	30
3	Roots and other residues from leys with or without red clover: Quality and effects on N2O emission factors in a partly frozen soil following autumn ploughing. Science of the Total Environment, 2022, 831, 154582.	8.0	4
4	A review and meta-analysis of mitigation measures for nitrous oxide emissions from crop residues. Science of the Total Environment, 2022, 828, 154388.	8.0	29
5	Willingness to Pay for Crowdfunding Local Agricultural Climate Solutions. Sustainability, 2021, 13, 9227.	3.2	3
6	Reviews and syntheses: Review of causes and sources of N₂O emissions and NO₃ leaching from organic arable crop rotations. Biogeosciences, 2019, 16, 2795-2819.	3.3	50
7	Links between profitability, nitrogen surplus, greenhouse gas emissions, and energy intensity on organic and conventional dairy farms. Agroecology and Sustainable Food Systems, 2019, 43, 957-983.	1.9	9
8	Simulating soil fertility management effects on crop yield and soil nitrogen dynamics in field trials under organic farming in Europe. Field Crops Research, 2019, 233, 1-11.	5.1	28
9	Discrimination of milk carbon footprints from different dairy farms when using IPCC Tier 1 methodology for calculation of GHG emissions from managed soils. Journal of Cleaner Production, 2018, 177, 899-907.	9.3	11
10	Impact of reduced tillage on greenhouse gas emissions and soil carbon stocks in an organic grass-clover ley - winter wheat cropping sequence. Agriculture, Ecosystems and Environment, 2017, 239, 324-333.	5.3	93
11	Variations of energy intensities and potential for improvements in energy utilisation on conventional and organic Norwegian dairy farms. Journal of Cleaner Production, 2017, 164, 301-314.	9.3	11
12	Variations in nitrogen utilisation on conventional and organic dairy farms in Norway. Agricultural Systems, 2017, 157, 11-21.	6.1	9
13	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
14	Embodied and operational energy in buildings on 20 Norwegian dairy farms â€“ Introducing the building construction approach to agriculture. Energy and Buildings, 2015, 108, 330-345.	6.7	9
15	Effects of green manure herbage management and its digestate from biogas production on barley yield, N recovery, soil structure and earthworm populations. European Journal of Agronomy, 2014, 52, 90-102.	4.1	56
16	Nitrous oxide emissions from a fertile grassland in Western Norway following the application of inorganic and organic fertilizers. Nutrient Cycling in Agroecosystems, 2014, 98, 71-85.	2.2	13
17	N₂O emission from organic barley cultivation as affected by green manure management. Biogeosciences, 2012, 9, 2747-2759.	3.3	27
18	Potassium uptake and requirement in organic grassland farming. Nutrient Cycling in Agroecosystems, 2010, 87, 137-149.	2.2	14

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19	Effect of tractor weight, depth of ploughing and wheel placement during ploughing in an organic cereal rotation on contrasting soils. Soil and Tillage Research, 2009, 103, 433-441.	5.6	10
20	Effect of soil compaction on N2O emission from a soil fertilized with mineral fertilizer or cattle slurry. IOP Conference Series: Earth and Environmental Science, 2009, 6, 242017.	0.3	0
21	Soil structure, organic matter and earthworm activity in a comparison of cropping systems with contrasting tillage, rotations, fertilizer levels and manure use. Agriculture, Ecosystems and Environment, 2008, 124, 275-284.	5.3	140
22	Aggregate Associated Sulfur Fractions in Longâ€Term (>80 Years) Fertilized Soils. Soil Science Society of America Journal, 2007, 71, 163-170.	2.2	36
23	Aggregate associated carbon, nitrogen and sulfur and their ratios in long-term fertilized soils. Soil and Tillage Research, 2007, 95, 161-171.	5.6	56
24	Copper, molybdenum and cobalt in herbage and ruminants from organic farms in Norway. Acta Agriculturae Scandinavica - Section A: Animal Science, 2005, 55, 21-30.	0.2	7
25	Status of selenium and vitamin E on Norwegian organic sheep and dairy cattle farms. Acta Agriculturae Scandinavica - Section A: Animal Science, 2005, 55, 40-46.	0.2	15
26	High Nitrogen Costs of Dairy Production in Europe: Worsened by Intensification. Ambio, 2005, 34, 598-606.	5.5	31
27	Factors affecting the concentration of Zn, Fe and Mn in herbage from organic farms and in relation to dietary requirements of ruminants. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2005, 55, 131-142.	0.6	7
28	High nitrogen costs of dairy production in Europe: worsened by intensification. Ambio, 2005, 34, 598-606.	5.5	3
29	Nitrogen fixation by red clover as related to the supply of Cobalt and Molybdenum from some Norwegian soils. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2004, 54, 97-101.	0.6	7
30	Yield Responses and Nutrient Utilization with the Use of Chopped Grass and Clover Material as Surface Mulches in an Organic Vegetable Growing System. Biological Agriculture and Horticulture, 2003, 21, 63-90.	1.0	13
31	Oxidation of atmospheric methane in Northern European soils, comparison with other ecosystems, and uncertainties in the global terrestrial sink. Global Change Biology, 2000, 6, 791-803.	9.5	372
32	Title is missing!. Biogeochemistry, 2000, 48, 323-339.	3.5	51
33	Earthworm populations in a cool and wet district as affected by tractor traffic and fertilisation. Applied Soil Ecology, 1999, 13, 237-250.	4.3	35
34	Comparison of the difference method and 15 N technique for studying the fate of nitrogen from plant residues in soil. Biology and Fertility of Soils, 1998, 26, 164-168.	4.3	7
35	Nitrogen mineralization and microbial biomass as affected by soil compaction. Soil Biology and Biochemistry, 1996, 28, 655-663.	8.8	139
36	Effects of manure treatment and soil compaction on plant production of a dairy farm system converting to organic farming practice. Agriculture, Ecosystems and Environment, 1996, 56, 173-186.	5.3	39

#	Article	IF	Citations
37	N2O and CH4 fluxes in soil influenced by fertilization and tractor traffic. Soil Biology and Biochemistry, 1993, 25, 621-630.	8.8	189