

Estimates of nitrous oxide emissions from agricultural

Canadian Journal of Soil Science

77, 135-144

DOI: 10.4141/s96-103

Citation Report

#	ARTICLE	IF	CITATIONS
2	Micrometeorological measurements of methane and nitrous oxide exchange above a boreal aspen forest. <i>Journal of Geophysical Research</i> , 1997, 102, 29331-29341.	3.3	67
3	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 1998, 52, 151-163.	2.2	174
4	Temporal variation in N <sub>2</sub> O and N <sub>2</sub> fluxes from a permanent pasture in Switzerland in relation to management, soil water content and soil temperature. <i>Agriculture, Ecosystems and Environment</i> , 1999, 73, 83-91.	5.3	100
5	Nitric oxide fluxes from an agricultural soil using a flux-gradient method. <i>Journal of Geophysical Research</i> , 1999, 104, 12213-12220.	3.3	9
6	Yield response of forage grasses to N fertilizer as related to spring soil nitrate sorbed on anionic exchange membranes. <i>Canadian Journal of Soil Science</i> , 2000, 80, 203-212.	1.2	25
7	Nitrous oxide emissions from frozen soils under agricultural, fallow and forest land. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1807-1810.	8.8	120
8	Soil Carbon and Nitrogen Dynamics Following Application of Pig Slurry for the 19th Consecutive Year II. Nitrous Oxide Fluxes and Mineral Nitrogen. <i>Soil Science Society of America Journal</i> , 2000, 64, 1396-1403.	2.2	143
9	Evaluating annual nitrous oxide fluxes at the ecosystem scale. <i>Global Biogeochemical Cycles</i> , 2000, 14, 1061-1070.	4.9	99
10	Winter fluxes of greenhouse gases from snow-covered agricultural soil: intra-annual and interannual variations. <i>Global Biogeochemical Cycles</i> , 2000, 14, 113-125.	4.9	68
11	Thick ice layers in snow and frozen soil affecting gas emissions from agricultural soils during winter. <i>Journal of Geophysical Research</i> , 2001, 106, 23061-23071.	3.3	49
12	Sources of variability in mercury flux measurements. <i>Journal of Geophysical Research</i> , 2001, 106, 5421-5435.	3.3	26
13	A tunable diode laser system for ammonia flux measurements over multiple plots. <i>Environmental Pollution</i> , 2001, 114, 215-221.	7.5	39
14	Nitrous oxide emissions from soil during freezing and thawing periods. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1269-1275.	8.8	229
15	N <sub>2</sub> O-Freisetzung auf gemahtem Dauergrunland in Abhangigkeit von Standort und N-Dungung. <i>Journal of Agronomy and Crop Science</i> , 2001, 187, 153-159.	3.5	5
16	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2001, 59, 177-191.	2.2	142
17	Methane and nitrous oxide exchange in differently fertilised grassland in southern Germany. <i>Plant and Soil</i> , 2001, 231, 21-35.	3.7	73
18	Soil-land-use-system approach to estimate nitrous oxide emissions from agricultural soils. <i>Nutrient Cycling in Agroecosystems</i> , 2001, 60, 219-234.	2.2	12
19	Title is missing!. <i>Water, Air and Soil Pollution</i> , 2001, 1, 447-454.	0.8	9

#	ARTICLE	IF	CITATIONS
20	Winter and Spring Thaw Measurements of N <sub>2</sub> O, NO and NO <sub>x</sub> Fluxes using a Micrometeorological Method. <i>Water, Air and Soil Pollution</i> , 2001, 1, 89-98.	0.8	17
21	Effect of rate, frequency and method of liquid swine manure application on soil nitrogen availability, cropperformance and N use efficiency in east-central Saskatchewan. <i>Canadian Journal of Soil Science</i> , 2002, 82, 457-467.	1.2	46
22	Nitrous Oxide Emissions from an Ultisol of the Humid Tropics under Maize-Groundnut Rotation. <i>Journal of Environmental Quality</i> , 2002, 31, 1071-1078.	2.0	59
23	Integrated evaluation of greenhouse gas emissions (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O) from two farming systems in southern Germany. <i>Agriculture, Ecosystems and Environment</i> , 2002, 91, 175-189.	5.3	255
24	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2002, 62, 53-60.	2.2	19
25	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 66, 107-118.	2.2	41
26	Nitrous oxide emissions from boreal organic soil under different land-use. <i>Soil Biology and Biochemistry</i> , 2003, 35, 689-700.	8.8	146
27	Estimation of nitrous oxide, nitric oxide and ammonia emissions from croplands in East, Southeast and South Asia. <i>Global Change Biology</i> , 2003, 9, 1080-1096.	9.5	256
28	A diode laser based gas monitor suitable for measurement of trace gas exchange using micrometeorological techniques. <i>Agricultural and Forest Meteorology</i> , 2003, 115, 71-89.	4.8	53
29	Greenhouse Gas Emissions and Soil Indicators Four Years after Manure and Compost Applications. <i>Journal of Environmental Quality</i> , 2003, 32, 23-32.	2.0	140
30	Emissions of N <sub>2</sub> O from Alfalfa and Soybean Crops in Eastern Canada. <i>Soil Science Society of America Journal</i> , 2004, 68, 493-506.	2.2	103
31	Emissions of N <sub>2</sub> O from soils during cycles of freezing and thawing and the effects of soil water, texture and duration of freezing. <i>European Journal of Soil Science</i> , 2004, 55, 357-365.	3.9	84
32	Nitrous oxide emissions from agricultural soils at low temperatures: a laboratory microcosm study. <i>Soil Biology and Biochemistry</i> , 2004, 36, 757-766.	8.8	64
33	Emissions of nitrous oxide from boreal agricultural clay and loamy sand soils. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 69, 155-165.	2.2	73
34	Nitrous oxide production in a forest soil at low temperatures " processes and environmental controls. <i>FEMS Microbiology Ecology</i> , 2004, 49, 371-378.	2.7	97
35	Contribution of nitrification and denitrification to the emission of N <sub>2</sub> O in a freeze-thaw event in an agricultural soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2004, 167, 678-684.	1.9	65
36	Designing field studies in soil science. <i>Canadian Journal of Soil Science</i> , 2004, 84, 1-10.	1.2	30
37	Upscaling chamber-based measurements of N <sub>2</sub> O emissions at snowmelt. <i>Canadian Journal of Soil Science</i> , 2005, 85, 113-125.	1.2	19

#	ARTICLE	IF	CITATIONS
38	Management of Canadian prairie region grazed grasslands: Soil C sequestration, livestock productivity and profitability. Canadian Journal of Soil Science, 2005, 85, 183-192.	1.2	18
39	Estimating annual N <sub>2</sub> O emissions from agricultural soils in temperate climates. Global Change Biology, 2005, 11, 1701-1711.	9.5	72
40	Bi-directional soil/atmosphere N <sub>2</sub> O exchange over two mown grassland systems with contrasting management practices. Global Change Biology, 2005, 11, 2114-2127.	9.5	172
41	Greenhouse gas contributions of agricultural soils and potential mitigation practices in Eastern Canada. Soil and Tillage Research, 2005, 83, 53-72.	5.6	338
42	Subsoil 15N-N <sub>2</sub> O Concentrations in a Sandy Soil Profile After Application of 15N-fertilizer. Nutrient Cycling in Agroecosystems, 2005, 72, 13-25.	2.2	46
43	Toward Improved Coefficients for Predicting Direct N <sub>2</sub> O Emissions from Soil in Canadian Agroecosystems. Nutrient Cycling in Agroecosystems, 2005, 72, 87-99.	2.2	90
44	Towards a Revised Coefficient for Estimating N <sub>2</sub> O Emissions from Legumes. Nutrient Cycling in Agroecosystems, 2005, 73, 171-179.	2.2	219
45	Micrometeorology in Agricultural Systems. Agronomy, 2005, , .	0.2	29
46	Nitrous Oxide Emission from No-till Irrigated Corn. Soil Science Society of America Journal, 2005, 69, 915-924.	2.2	18
48	Evaluation of the N <sub>2</sub> O emissions from N in plant residues as affected by environmental and management factors. Nutrient Cycling in Agroecosystems, 2006, 75, 29-46.	2.2	90
49	Towards optimum sampling for regional-scale N <sub>2</sub> O emission monitoring in Canada. Canadian Journal of Soil Science, 2006, 86, 441-450.	1.2	9
50	Towards standards for measuring greenhouse gas fluxes from agricultural fields using instrumented towers. Canadian Journal of Soil Science, 2006, 86, 373-400.	1.2	60
51	Estimates of direct nitrous oxide emissions from Canadian agroecosystems and their uncertainties. Canadian Journal of Soil Science, 2007, 87, 141-152.	1.2	15
52	Tools for quantifying N <sub>2</sub> O emissions from agroecosystems. Agricultural and Forest Meteorology, 2007, 142, 103-119.	4.8	69
53	Nitrous oxide flux measurements from an intensively managed irrigated pasture using micrometeorological techniques. Agricultural and Forest Meteorology, 2007, 143, 92-105.	4.8	65
54	Construction and Testing of a Simple and Economical Soil Greenhouse Gas Automatic Sampler. Journal of Plant Nutrition, 2007, 30, 1441-1454.	1.9	3
55	Enhanced net formations of nitrous oxide and methane underneath the frozen soil in Sanjiang wetland, northeastern China. Journal of Geophysical Research, 2007, 112, .	3.3	27
56	Organic Agriculture and Nitrous Oxide Emissions at Sub-Zero Soil Temperatures. Journal of Environmental Quality, 2007, 36, 23-30.	2.0	33

#	ARTICLE	IF	CITATIONS
57	Greenhouse Gas Emissions from Dairy Farms. , 2007, , .		3
58	Soils, a sink for N <sub>2</sub> O? A review. <i>Global Change Biology</i> , 2007, 13, 1-17.	9.5	1,129
59	Intensive measurement of nitrous oxide emissions from a corn?soybean?wheat rotation under two contrasting management systems over 5 years. <i>Global Change Biology</i> , 2007, 13, 1722-1736.	9.5	229
60	Effect of contrasting changes in hydrothermic conditions on the N <sub>2</sub> O emission from forest and tundra soils. <i>Eurasian Soil Science</i> , 2007, 40, 795-799.	1.6	3
61	N <sub>2</sub> O emission from conventional and minimum-tilled soils. <i>Biology and Fertility of Soils</i> , 2008, 44, 863-873.	4.3	45
62	Relationships of soil physical and microbial properties with nitrous oxide emission affected by freeze-thaw event. <i>Frontiers of Agriculture in China</i> , 2008, 2, 290-295.	0.2	5
63	Denitrification in cropping systems at sub-zero soil temperatures. A review. <i>Agronomy for Sustainable Development</i> , 2008, 28, 87-93.	5.3	26
64	Winter soil frost conditions in boreal forests control growing season soil CO <sub>2</sub> concentration and its atmospheric exchange. <i>Global Change Biology</i> , 2008, 14, 2839-2847.	9.5	59
65	Potential N <sub>2</sub> O emissions from leguminous tree plantation soils in the humid tropics. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	36
66	geoENV VI â€“ Geostatistics for Environmental Applications. , 2008, , .		4
67	The role of hydropedologic vegetation zones in greenhouse gas emissions for agricultural wetland landscapes. <i>Catena</i> , 2008, 72, 386-394.	5.0	35
68	Fluxes of climateâ€“relevant trace gases between a Norway spruce forest soil and atmosphere during repeated freezeâ€“thaw cycles in mesocosms. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 729-739.	1.9	54
69	Chamber Measurements of Soil Nitrous Oxide Flux: Are Absolute Values Reliable?. <i>Soil Science Society of America Journal</i> , 2008, 72, 331-342.	2.2	226
70	Main Driving Variables and Effect of Soil Management on Climate or Ecosystem-Relevant Trace Gas Fluxes from Fields of the FAM. , 2008, , 79-120.		8
71	Whole-Farm Greenhouse Gas Emissions: A Review with Application to a Pennsylvania Dairy Farm. <i>Applied Engineering in Agriculture</i> , 2009, 25, 431-442.	0.7	51
72	Nitrous oxide fluxes and denitrification sensitivity to temperature in Irish pasture soils. <i>Soil Use and Management</i> , 2009, 25, 376-388.	4.9	82
73	Greenhouse gas fluxes associated with soybean production under two tillage systems in southwestern Quebec. <i>Soil and Tillage Research</i> , 2009, 104, 134-139.	5.6	78
74	Nitrous oxide fluxes related to soil freeze and thaw periods identified using heat pulse probes. <i>Canadian Journal of Soil Science</i> , 2010, 90, 409-418.	1.2	24

#	ARTICLE	IF	CITATIONS
75	Effect of the temperature and moisture on the N <sub>2</sub> O emission from some arable soils. Eurasian Soil Science, 2010, 43, 919-928.	1.6	29
76	Soil nitrous oxide and methane fluxes are low from a bioenergy crop (canola) grown in a semi-arid climate. GCB Bioenergy, 2010, 2, 1-15.	5.6	45
77	Spatial and temporal variability of N <sub>2</sub> O in the surface groundwater: a detailed analysis from a sandy aquifer in northern Germany. Nutrient Cycling in Agroecosystems, 2010, 87, 33-47.	2.2	15
78	Nitrous oxide fluxes from corn fields: on-farm assessment of the amount and timing of nitrogen fertilizer. Global Change Biology, 2010, 16, 156-170.	9.5	182
79	Greenhouse gas fluxes in a drained peatland forest during spring frost-thaw event. Biogeosciences, 2010, 7, 1715-1727.	3.3	39
80	Multiscale estimates of N <sub>2</sub> O emissions from agricultural lands. Agricultural and Forest Meteorology, 2010, 150, 817-824.	4.8	53
81	Neglecting sinks for N <sub>2</sub> O at the earth's surface: does it matter?. Journal of Integrative Environmental Sciences, 2010, 7, 79-87.	2.5	39
82	Nitrogen enrichment and the emission of nitrous oxide from streams. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	114
83	The global nitrous oxide budget revisited. Greenhouse Gas Measurement and Management, 2011, 1, 17-26.	0.6	468
84	Emissions of Nitrous Oxide from Agriculture: Responses to Management and Climate Change. ACS Symposium Series, 2011, , 343-370.	0.5	4
85	Nitrous oxide fluxes from a grain-legume crop (narrow-leaved lupin) grown in a semiarid climate. Global Change Biology, 2011, 17, 1153-1166.	9.5	82
86	Modelling of crop yields and N <sub>2</sub> O emissions from silty arable soils with differing tillage in two long-term experiments. Soil and Tillage Research, 2011, 112, 114-121.	5.6	33
87	N <sub>2</sub> O Emissions and Water Management in California Perennial Crops. ACS Symposium Series, 2011, , 227-255.	0.5	14
88	Brunisolic soils of Canada: Genesis, distribution, and classification. Canadian Journal of Soil Science, 2011, 91, 695-717.	1.2	26
89	Micrometeorological Methods for Assessing Greenhouse Gas Flux. , 2012, , 367-383.		6
90	Non-growing season nitrous oxide fluxes from an agricultural soil as affected by application of liquid and composted swine manure. Canadian Journal of Soil Science, 2012, 92, 315-327.	1.2	27
91	N <sub>2</sub> O emissions during the freezing and thawing periods from six fields in a livestock farm, southern Hokkaido, Japan. Soil Science and Plant Nutrition, 2012, 58, 261-271.	1.9	25
92	Nitrous oxide emissions from an annual crop rotation on poorly drained soil on the Canadian Prairies. Agricultural and Forest Meteorology, 2012, 166-167, 41-49.	4.8	44

#	ARTICLE	IF	CITATIONS
93	Mineralization and Crop Uptake of Nitrogen from Textile Manufacturing Wastewater Sludge Cake. <i>Applied and Environmental Soil Science</i> , 2012, 2012, 1-9.	1.7	3
94	Evaluation of a Closed Tunnel for Field-Scale Measurements of Nitrous Oxide Fluxes from an Unfertilized Grassland Soil. <i>Journal of Environmental Quality</i> , 2012, 41, 1383-1392.	2.0	7
95	Nitrous Oxide Emissions Respond Differently to Mineral and Organic Nitrogen Sources in Contrasting Soil Types. <i>Journal of Environmental Quality</i> , 2012, 41, 427-435.	2.0	122
96	Legumes for mitigation of climate change and the provision of feedstock for biofuels and biorefineries. A review. <i>Agronomy for Sustainable Development</i> , 2012, 32, 329-364.	5.3	534
97	Night and day: short-term variation in nitrogen chemistry and nitrous oxide emissions from streams. <i>Freshwater Biology</i> , 2012, 57, 509-525.	2.4	38
98	N <sub>2</sub> O flux from plant-soil systems in polar deserts switch between sources and sinks under different light conditions. <i>Soil Biology and Biochemistry</i> , 2012, 48, 69-77.	8.8	29
99	An inverse dispersion technique for the determination of ammonia emissions from urea-applied farmland. <i>Atmospheric Environment</i> , 2013, 79, 217-224.	4.1	13
100	Net global warming potential and greenhouse gas intensity of annual rice-wheat rotations with integrated soil-crop system management. <i>Agriculture, Ecosystems and Environment</i> , 2013, 164, 209-219.	5.3	206
101	Biases in discrete CH <sub>4</sub> and N <sub>2</sub> O sampling protocols associated with temporal variation of gas fluxes from manure storage systems. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 295-305.	4.8	24
102	Weed Ecology and Nonchemical Management under Strip-Tillage: Implications for Northern U.S. Vegetable Cropping Systems. <i>Weed Technology</i> , 2013, 27, 218-230.	0.9	46
103	Estimating a Lagrangian Length Scale Using Measurements of CO <sub>2</sub> in a Plant Canopy. <i>Boundary-Layer Meteorology</i> , 2013, 147, 83-102.	2.3	4
104	Application of a high-temporal resolution method to estimate ammonia emissions from farmland. <i>Nutrient Cycling in Agroecosystems</i> , 2013, 97, 1-12.	2.2	3
105	Net CO <sub>2</sub> and N <sub>2</sub> O exchange during perennial forage establishment in an annual crop rotation in the Red River Valley, Manitoba. <i>Canadian Journal of Soil Science</i> , 2013, 93, 639-652.	1.2	29
106	The effect of nitrogen fertilization and no-till duration on soil nitrogen supply power and post-spring thaw greenhouse gas emissions. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 227-237.	1.9	21
107	Mechanisms leading to enhanced soil nitrous oxide fluxes induced by freeze-thaw cycles. <i>Canadian Journal of Soil Science</i> , 2013, 93, 401-414.	1.2	122
108	Temporal and spatial variations of soil CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O fluxes at three differently managed grasslands. <i>Biogeosciences</i> , 2013, 10, 5931-5945.	3.3	102
109	Seasonal Nitrous Oxide and Methane Fluxes from Grain- and Forage-Based Production Systems in Wisconsin, USA. <i>Journal of Environmental Quality</i> , 2014, 43, 1833-1843.	2.0	16
110	Measuring fluxes of trace gases and energy between ecosystems and the atmosphere – the state and future of the eddy covariance method. <i>Global Change Biology</i> , 2014, 20, 3600-3609.	9.5	377

#	ARTICLE	IF	CITATIONS
111	Agricultural benefits and environmental risks of soil fertilization with anaerobic digestates: a review. <i>Agronomy for Sustainable Development</i> , 2014, 34, 473-492.	5.3	675
112	Comparison of Simultaneous Soil Profile N <sub>2</sub> O Concentration and Surface N <sub>2</sub> O Flux Measurements Overwinter and at Spring Thaw in an Agricultural Soil. <i>Soil Science Society of America Journal</i> , 2014, 78, 180-193.	2.2	37
113	Measurement of Soil Respiration in situ: Chamber Techniques. <i>Agronomy</i> , 0, , 247-286.	0.2	35
114	The effect of nitrification inhibitors on the nitrous oxide (N <sub>2</sub> O) release from agricultural soils—a review. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 171-188.	1.9	292
115	Advances in Methodology for Research on Nitrogen Transformations in Soils. <i>Agronomy</i> , 2015, , 437-504.	0.2	2
116	Molecular techniques and stable isotope ratios at natural abundance give complementary inferences about N <sub>2</sub> O production pathways in an agricultural soil following a rainfall event. <i>Soil Biology and Biochemistry</i> , 2015, 88, 197-213.	8.8	54
117	Nitrogenous Gas Emissions from Soils and Greenhouse Gas Effects. <i>Advances in Agronomy</i> , 2015, 132, 39-74.	5.2	30
118	Legume pastures can reduce N <sub>2</sub> O emissions intensity in subtropical cereal cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2015, 204, 27-39.	5.3	31
119	Assessing the effects of agricultural management on nitrous oxide emissions using flux measurements and the DNDC model. <i>Agriculture, Ecosystems and Environment</i> , 2015, 206, 71-83.	5.3	87
120	Quantifying nitrous oxide fluxes on multiple spatial scales in the Upper Midwest, USA. <i>International Journal of Biometeorology</i> , 2015, 59, 299-310.	3.0	10
121	Spring-Thaw Nitrous Oxide Emissions from Reed Canarygrass on Wetness-Prone Marginal Soil in New York State. <i>Soil Science Society of America Journal</i> , 2016, 80, 428-437.	2.2	1
122	Lower Nitrous Oxide Emissions from Anhydrous Ammonia Application Prior to Soil Freezing in Late Fall Than Spring Pre-Plant Application. <i>Journal of Environmental Quality</i> , 2016, 45, 1133-1143.	2.0	30
123	Field Nitrogen Losses Induced by Application Timing of Digestate from Dairy Manure Biogas Production. <i>Journal of Environmental Quality</i> , 2016, 45, 1829-1837.	2.0	14
124	Impact of nitrogen fertilizer source on nitrous oxide (N <sub>2</sub> O) emissions from three different agricultural soils during freezing conditions. <i>Toxicological and Environmental Chemistry</i> , 2016, 98, 551-560.	1.2	1
125	Use of biological indicators of soil health to estimate reactive nitrogen dynamics in long-term organic vegetable and pasture systems. <i>Soil Biology and Biochemistry</i> , 2016, 103, 308-319.	8.8	27
126	Direct green waste land application: How to reduce its impacts on greenhouse gas and volatile organic compound emissions?. <i>Waste Management</i> , 2016, 52, 318-325.	7.4	4
127	The amplitude of soil freeze-thaw cycles influences temporal dynamics of N <sub>2</sub> O emissions and denitrifier transcriptional activity and community composition. <i>Biology and Fertility of Soils</i> , 2016, 52, 1149-1162.	4.3	32
128	Effects and mechanism of freeze-thawing cycles on the soil N <sub>2</sub> O fluxes in the temperate semi-arid steppe. <i>Journal of Environmental Sciences</i> , 2017, 56, 192-201.	6.1	14



#	ARTICLE	IF	CITATIONS
129	Year-round Nitrous Oxide Emissions as Affected by Timing and Method of Dairy Manure Application to Corn. <i>Soil Science Society of America Journal</i> , 2017, 81, 166-178.	2.2	25
130	CO <sub>2</sub> and N <sub>2</sub> O flux balance on soybean fields during growth and fallow periods in the Argentine Pampas—A study case. <i>Soil and Tillage Research</i> , 2017, 169, 65-70.	5.6	17
131	Growing Season Nitrous Oxide Emissions from a Gray Luvisol as a Function of Long-term Fertilization History and Crop Rotation. <i>Canadian Journal of Soil Science</i> , 2017, , .	1.2	6
132	ANAEROBICALLY DIGESTED DAIRY MANURE AS AN ALTERNATIVE NITROGEN SOURCE TO MITIGATE NITROUS OXIDE EMISSIONS IN FALL-FERTILIZED CORN. <i>Canadian Journal of Soil Science</i> , 2017, , .	1.2	4
133	Evaluation of new flux attribution methods for mapping N <sub>2</sub> O emissions at the landscape scale. <i>Agriculture, Ecosystems and Environment</i> , 2017, 247, 9-22.	5.3	4
134	Differential responses of soil CO <sub>2</sub> and N <sub>2</sub> O fluxes to experimental warming. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 11-22.	4.8	30
135	Greenhouse gas emissions in natural and managed peatlands of America: Case studies along a latitudinal gradient. <i>Ecological Engineering</i> , 2018, 114, 34-45.	3.6	26
136	Nitrous oxide emissions with organic crop production depends on fall soil moisture. <i>Agriculture, Ecosystems and Environment</i> , 2018, 254, 41-49.	5.3	29
137	Nitrous oxide emissions following seasonal freeze-thaw events from arable soils in Northeast China. <i>Journal of Integrative Agriculture</i> , 2018, 17, 231-246.	3.5	22
138	Impact of land use during winter on the balance of greenhouse gases. <i>Soil Use and Management</i> , 2018, 34, 525-532.	4.9	5
139	Nitrous Oxide Emissions in Turfgrass Systems: A Review. <i>Agronomy Journal</i> , 2018, 110, 2222-2232.	1.8	17
140	Nitrous Oxide Emissions from Turfgrass Receiving Different Irrigation Amounts and Nitrogen Fertilizer Forms. <i>Crop Science</i> , 2018, 58, 1762-1775.	1.8	21
141	Processes contributing to nitrite accumulation and concomitant N <sub>2</sub> O emissions in frozen soils. <i>Soil Biology and Biochemistry</i> , 2018, 126, 31-39.	8.8	13
142	Landscape Controls on Nutrient Export during Snowmelt and an Extreme Rainfall Runoff Event in Northern Agricultural Watersheds. <i>Journal of Environmental Quality</i> , 2019, 48, 841-849.	2.0	20
143	Rates and intensity of freeze-thaw cycles affect nitrous oxide and carbon dioxide emissions from agricultural soils. <i>Canadian Journal of Soil Science</i> , 2019, 99, 472-484.	1.2	17
144	Experimental influence of storm-surge salinity on soil greenhouse gas emissions from a tidal salt marsh. <i>Science of the Total Environment</i> , 2019, 686, 1164-1172.	8.0	40
145	Diurnal Variation and Sampling Frequency Effects on Nitrous Oxide Emissions Following Nitrogen Fertilization and Spring Thaw Events. <i>Soil Science Society of America Journal</i> , 2019, 83, 743-750.	2.2	18
146	Surface and subsurface N <sub>2</sub> O losses from dairy cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 114, 277-293.	2.2	0

#	ARTICLE	IF	CITATIONS
147	Linking changes in snow cover with microbial nitrogen cycling functional gene abundance and expression in agricultural soil. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	13
148	Comparison of two gap-filling techniques for nitrous oxide fluxes from agricultural soil. <i>Canadian Journal of Soil Science</i> , 2019, 99, 12-24.	1.2	12
149	Formation of Vesicular Pores in Aggregates from the Eluvial Horizon of Albic Glossic Retisol during Freeze-Thaw Cycles. <i>Eurasian Soil Science</i> , 2020, 53, 913-921.	1.6	5
150	No effect of warming and watering on soil nitrous oxide fluxes in a temperate sitka spruce forest ecosystem. <i>Journal of Integrative Environmental Sciences</i> , 2020, 17, 83-96.	2.5	3
151	Freeze-thaw cycles changes soil nitrogen in a Mollisol sloping field in Northeast China. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 345-364.	2.2	12
152	Effects of conversion from leguminous acacia to non-leguminous eucalyptus on soil N <sub>2</sub> O emissions in tropical monoculture plantations. <i>Forest Ecology and Management</i> , 2021, 481, 118702.	3.2	5
153	Assessing the impacts of diversified crop rotation systems on yields and nitrous oxide emissions in Canada using the DNDC model. <i>Science of the Total Environment</i> , 2021, 759, 143433.	8.0	21
154	An Ecosystem-Scale Flux Measurement Strategy to Assess Natural Climate Solutions. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3494-3504.	10.0	24
155	Greenhouse gas emissions from an irrigated cropping rotation with dairy manure utilization in a semiarid climate. <i>Agronomy Journal</i> , 2021, 113, 1222-1237.	1.8	10
156	Identifying hotspots and representative monitoring locations of field scale N <sub>2</sub> O emissions from agricultural soils: A time stability analysis. <i>Science of the Total Environment</i> , 2021, 788, 147955.	8.0	5
157	Methane Fluxes from a Wetland using the Flux-Gradient Technique. , 2001, , 447-454.		3
158	Soil nitrous oxide emissions from agricultural soils in Canada: Exploring relationships with soil, crop and climatic variables. <i>Agriculture, Ecosystems and Environment</i> , 2018, 254, 69-81.	5.3	94
159	Determining nitrous oxide emissions from subsurface measurements in grazed pasture: A field trial of alternative technology. <i>Soil Research</i> , 2005, 43, 677.	1.1	20
160	Seasonal gaseous elemental mercury fluxes at a terrestrial background site in south-eastern Australia. <i>Elementa</i> , 2020, 8, .	3.2	5
161	Trace Gas Concentration Measurements for Micrometeorological Flux Quantification. <i>Agronomy</i> , 0, , 321-343.	0.2	8
163	Soil Emission Measurements of N <sub>2</sub> O, CH <sub>4</sub> and CO <sub>2</sub> from Intensively Managed Upland Cabbage Field. <i>Journal of Korean Society for Atmospheric Environment</i> , 2011, 27, 313-325.	1.1	8
164	Influence of N Fertilization Level, Rainfall and Temperature on the Emission of N <sub>2</sub> O in the Jeju Black Volcanic Ash Soil with Potato Cultivation. <i>Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe</i> , 2012, 45, 544-550.	0.9	3
165	Emissionen von Spurenstoffen. , 2000, , 61-194.		0

#	ARTICLE	IF	CITATIONS
166	Winter and Spring Thaw Measurements of N <sub>2</sub> O, NO and NO <sub>x</sub> Fluxes Using a Micrometeorological Method. , 2001, , 89-98.		0
167	Nitrous Oxide Emission from Crop Fields and Its Role in Atmospheric Radiative Forcing. Environmental Science and Engineering, 2009, , 147-190.	0.2	0
168	Denitrification at Sub-Zero Temperatures in Arable Soils: A Review. , 2009, , 51-59.		2
169	Influence of N Fertilization Level, Rainfall, and Temperature on the Emission of N <sub>2</sub> O in the Jeju Black Volcanic Ash Soil with Carrot Cultivation. Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe, 2012, 45, 459-465.	0.9	3
170	Influence of N Fertilization Level, Rainfall, and Temperature on the Emission of N <sub>2</sub> O in the Jeju Black Volcanic Ash Soil with Soybean Cultivation. Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe, 2012, 45, 451-458.	0.9	6
171	Adaptation of Plants to Anthropogenic and Environmental Stresses. Books in Soils, Plants, and the Environment, 1999, , 973-1010.	0.1	1
172	Evaluation of N <sub>2</sub> O Emissions by Nutrient Source in Soybean and Pepper Fields. Hanguk Hwangyeong Saengmul Haghoeji, 2018, 36, 680-686.	0.4	1
174	Simultaneous effects of legume cultivation on carbon and nitrogen accumulation in soil. Advances in Agronomy, 2022, , 75-110.	5.2	26
175	Greenhouse gas emissions associated to sprinkler-irrigated alfalfa under semi-arid Mediterranean conditions. Spanish Journal of Agricultural Research, 2022, 20, e0304.	0.6	0
176	Dynamics of nitrous oxide emissions from two cropping systems in southwestern France over 5 years: Cross impact analysis of heterogeneous agricultural practices and local climate variability. Agricultural and Forest Meteorology, 2022, 323, 109093.	4.8	1
177	Effects of winter pulsed warming and snowmelt on soil nitrogen cycling in agricultural soils: A lysimeter study. Frontiers in Environmental Science, 0, 10, .	3.3	3
178	Combining reduced tillage and green manures minimized N <sub>2</sub> O emissions from organic cropping systems in a cool humid climate. Agriculture, Ecosystems and Environment, 2023, 341, 108205.	5.3	4
179	Carbon-sink potential of continuous alfalfa agriculture lowered by short-term nitrous oxide emission events. Nature Communications, 2023, 14, .	12.8	5
180	N <sub>2</sub> O Emission Pattern in A Legume-Based Agroecosystem. Advances in Environmental and Engineering Research, 2023, 04, 1-23.	0.8	0
181	Spatiotemporal heterogeneity of soil available nitrogen during freeze-thaw cycles in a watershed: A 3-year investigation. Land Degradation and Development, 2024, 35, 1381-1396.	3.9	0