# Xiying Hao

## List of Publications by Year in descending order

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| 150 papers | 4,649 citations | 156536 32 h-index | 145109 60 g-index |
|---|---|---|---|
| 153 all docs | 153 docs citations | 153 times ranked | 5120 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modelling soil salinity effects on salt water uptake and crop growth using a modified denitrification-decomposition model: A phytoremediation approach. Journal of Environmental Management, 2022, 301, 113820. | 3.8 | 17 |
| 2 | Modeling the effect of wastewater irrigation on soil salinity using a <scp>SALTâ€Ð</scp><scp>NDC</scp> model. Land Degradation and Development, 2022, 33, 55-67. | 1.8 | 6 |
| 3 | Effects of feeding a pine-based biochar to beef cattle on subsequent manure nutrients, organic matter composition and greenhouse gas emissions. Science of the Total Environment, 2022, 812, 152267. | 3.9 | 9 |
| 4 | Carbonâ€sensitive pedotransfer functions for plant available water. Soil Science Society of America Journal, 2022, 86, 612-629. | 1.2 | 33 |
| 5 | The Effect of Manure from Cattle Fed Barley- vs. Corn-Based Diets on Greenhouse Gas Emissions Depends on Soil Type. Soil Systems, 2022, 6, 47. | 1.0 | 0 |
| 6 | Nutrient retention, availability and greenhouse gas emissions from biochar-fertilized Chernozems. Catena, 2021, 198, 105046. | 2.2 | 18 |
| 7 | Molecular speciation and aromaticity of biochar-manure: Insights from elemental, stable isotope and solid-state DPMAS 13C NMR analyses. Journal of Environmental Management, 2021, 280, 111705. | 3.8 | 15 |
| 8 | Modeling the effect of salt-affected soil on water balance fluxes and nitrous oxide emission using modified DNDC. Journal of Environmental Management, 2021, 280, 111678. | 3.8 | 7 |
| 9 | Effect of Manure from Cattle Fed 3-Nitrooxypropanol on Anthropogenic Greenhouse Gas Emissions Depends on Soil Type. Agronomy, 2021, 11, 371. | 1.3 | 6 |
| 10 | Nutrient cycling and greenhouse gas emissions from soil amended with biochar-manure mixtures. Pedosphere, 2021, 31, 289-302. | 2.1 | 27 |
| 11 | Cattle manure loadings and legacy effects on copper and zinc availability under rainfed and irrigated conditions. Canadian Journal of Soil Science, 2021, 101, 305-316. | 0.5 | 3 |
| 12 | Effects of 3â€nitrooxypropanol manure fertilizer on soil health and hydraulic properties. Journal of Environmental Quality, 2021, 50, 1452-1463. | 1.0 | 2 |
| 13 | Effect of Bioaugmentation with Anaerobic Fungi Isolated from Ruminants on the Hydrolysis of Corn Silage and Phragmites australis. Applied Sciences (Switzerland), 2021, 11, 9123. | 1.3 | 2 |
| 14 | Manure-induced carbon retention measured from long-term field studies in Canada. Agriculture, Ecosystems and Environment, 2021, 321, 107619. | 2.5 | 7 |
| 15 | Heavy grazing over 64 years reduced soil bacterial diversity in the foothills of the Rocky Mountains, Canada. Applied Soil Ecology, 2020, 147, 103361. | 2.1 | 28 |
| 16 | Greenhouse gas and ammonia emissions from stored manure from beef cattle supplemented 3-nitrooxypropanol and monensin to reduce enteric methane emissions. Scientific Reports, 2020, 10, 19310. | 1.6 | 14 |
| 17 | Nitrous oxide emissions following split fertilizer application on winter wheat grown on Mollisols of Southern Alberta, Canada. Geoderma Regional, 2020, 21, e00272. | 0.9 | 6 |
| 18 | Pelletizing Animal Manures for On- and Off-Farm Use. ASA Special Publication, 2020, , 323-344. | 0.8 | 1 |

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|---|---|---|---|
| 19 | The effects of split application of enhanced efficiency fertilizers on non-winter nitrous oxide emissions from winter wheat. Canadian Journal of Soil Science, 2020, 100, 26-43. | 0.5 | 0 |
| 20 | Treatment of feces from beef cattle fed the enteric methane inhibitor 3-nitrooxypropanol. Water Science and Technology, 2019, 80, 437-447. | 1.2 | 8 |
| 21 | Modeling growing season and annual cumulative nitrous oxide emissions and emission factors from organically fertilized soils planted with barley in Lethbridge, Alberta, Canada. Agricultural Systems, 2019, 176, 102654. | 3.2 | 16 |
| 22 | Linking soil microbial biomass and enzyme activities to long-term manure applications and their nonlinear legacy. Pedobiologia, 2019, 74, 34-42. | 0.5 | 30 |
| 23 | Soil physical and chemical properties in response to long-term cattle grazing on sloped rough fescue grassland in the foothills of the Rocky Mountains, Alberta. Geoderma, 2019, 346, 75-83. | 2.3 | 29 |
| 24 | Short term recovery of vegetation and soil after abandoning cultivated mixedgrass prairies in Alberta, Canada. Catena, 2019, 173, 321-329. | 2.2 | 16 |
| 25 | Slope position regulates response of carbon and nitrogen stocks to cattle grazing on rough fescue grassland. Journal of Soils and Sediments, 2018, 18, 3228-3234. | 1.5 | 9 |
| 26 | Long-term and legacy effects of manure application on soil microbial community composition. Biology and Fertility of Soils, 2018, 54, 269-283. | 2.3 | 82 |
| 27 | Labile soil organic matter in response to long-term cattle grazing on sloped rough fescue grassland in the foothills of the Rocky Mountains, Alberta. Geoderma, 2018, 318, 9-15. | 2.3 | 21 |
| 28 | Start-up of a sequential dry anaerobic digestion of paunch under psychrophilic and mesophilic temperatures. Waste Management, 2018, 74, 144-149. | 3.7 | 19 |
| 29 | Longâ€Term Grazing Alters Soil Trace Gas Fluxes from Grasslands in the Foothills of the Rocky Mountains, Canada. Land Degradation and Development, 2018, 29, 292-302. | 1.8 | 18 |
| 30 | Phytoextraction of nitrogen and phosphorus by crops grown in a heavily manured Dark Brown Chernozem under contrasting soil moisture conditions. International Journal of Phytoremediation, 2018, 20, 27-34. | 1.7 | 1 |
| 31 | Nitrogen Mineralization in Chernozemic Soils Amended with Manure from Cattle Fed Dried Distillers Grains with Solubles. Soil Science Society of America Journal, 2018, 82, 167-175. | 1.2 | 4 |
| 32 | Modeling Barley Yield in a Dark Brown Chernozem after Discontinuation of Longâ€term Manure Application. Soil Science Society of America Journal, 2018, 82, 392-402. | 1.2 | 1 |
| 33 | Soil Phospholipid Fatty Acid Biomarkers and Î²â€Glucosidase Activities after Longâ€Term Manure and Fertilizer N Applications. Soil Science Society of America Journal, 2018, 82, 343-353. | 1.2 | 15 |
| 34 | Modeling nitrous oxide emissions from rough fescue grassland soils subjected to long-term grazing of different intensities using the Soil and Water Assessment Tool (SWAT). Environmental Science and Pollution Research, 2018, 25, 27362-27377. | 2.7 | 16 |
| 35 | Surface Soil Salinity and Soluble Salts after 15 Applications of Composted or Stockpiled Manure with Straw or Wood-Chips. Compost Science and Utilization, 2017, 25, 36-47. | 1.2 | 21 |
| 36 | Nitrogen, carbon, and dry matter losses during composting of livestock manure with two bulking agents as affected by co-amendments of phosphogypsum and zeolite. Ecological Engineering, 2017, 102, 280-290. | 1.6 | 62 |

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|---|---|---|---|
| 37 | Utilizing Composted Beef Cattle Manure and Slaughterhouse Waste as Nitrogen and Phosphorus Fertilizers for Calcareous Soil. Compost Science and Utilization, 2017, 25, 102-111. | 1.2 | 14 |
| 38 | Effect of manipulating animal stocking rate on the carbon storage capacity in a degraded desert steppe. Ecological Research, 2017, 32, 1001-1009. | 0.7 | 6 |
| 39 | Assessment of grazing management on farm greenhouse gas intensity of beef production systems in the Canadian Prairies using life cycle assessment. Agricultural Systems, 2017, 158, 1-13. | 3.2 | 36 |
| 40 | Nutrient Uptake and Leaching from Soil Amended with Cattle Manure and Nitrapyrin. Communications in Soil Science and Plant Analysis, 2017, 48, 1438-1454. | 0.6 | 4 |
| 41 | Are distinct nitrous oxide emission factors required for cattle urine and dung deposited on pasture in western Canada?. Environmental Science and Pollution Research, 2017, 24, 26142-26147. | 2.7 | 13 |
| 42 | Impacts of long-term nitrogen fertilization on acid buffering rates and mechanisms of a slightly calcareous clay soil. Geoderma, 2017, 305, 92-99. | 2.3 | 30 |
| 43 | Effects of residue incorporation and plant growth on soil labile organic carbon and microbial function and community composition under two soil moisture levels. Environmental Science and Pollution Research, 2017, 24, 18849-18859. | 2.7 | 17 |
| 44 | Greenhouse gas emissions during co-composting of cattle feedlot manure with construction and demolition (C&D) waste. Frontiers of Environmental Science and Engineering, 2017, 11, 1. | 3.3 | 12 |
| 45 | Responses of herbage P, Ca, K and Mg content and Ca/P and K/(Ca + Mg) ratios to longâ€term continuous and discontinued cattle grazing on a rough fescue grassland. Grass and Forage Science, 2017, 72, 581-589. | 1.2 | 5 |
| 46 | Fall Rye Reduced Residual Soil Nitrate and Dryland Spring Wheat Grain Yield. Agronomy Journal, 2017, 109, 718-728. | 0.9 | 11 |
| 47 | Fertilization Shapes Bacterial Community Structure by Alteration of Soil pH. Frontiers in Microbiology, 2017, 8, 1325. | 1.5 | 183 |
| 48 | Nitrous Oxide Emitted from Soil Receiving Anaerobically Digested Solid Cattle Manure. Journal of Environmental Quality, 2017, 46, 741-750. | 1.0 | 13 |
| 49 | Nitrapyrin Reduced Nitrous Oxide Emissions from Beef Cattle Urine Patches on a Semiarid Tame Pasture. Soil Science Society of America Journal, 2017, 81, 1537-1547. | 1.2 | 3 |
| 50 | Nonâ€Legume Cover Crops Can Increase Nonâ€Growing Season Nitrous Oxide Emissions. Soil Science Society of America Journal, 2017, 81, 189-199. | 1.2 | 44 |
| 51 | Anaerobically Digested Cattle Manure Supplied More Nitrogen with Less Phosphorus Accumulation than Undigested Manure. Agronomy Journal, 2017, 109, 836-844. | 0.9 | 16 |
| 52 | Composting for Biocontained Cattle Mortality Disposal and Associated Greenhouse Gas and Leachate Emissions. Journal of Environmental Quality, 2016, 45, 646-656. | 1.0 | 4 |
| 53 | Effect of Co-Composting Cattle Manure with Construction and Demolition Waste on the Archaeal, Bacterial, and Fungal Microbiota, and on Antimicrobial Resistance Determinants. PLoS ONE, 2016, 11, e0157539. | 1.1 | 54 |
| 54 | Crop residue management and fertilization effects on soil organic matter and associated biological properties. Environmental Science and Pollution Research, 2016, 23, 17581-17591. | 2.7 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Nutrient Leaching from Soil Amended with Manure and Compost from Cattle Fed Diets Containing Wheat Dried Distillersâ€™ Grains with Solubles. Water, Air, and Soil Pollution, 2016, 227, 1. | 1.1 | 16 |
| 56 | Agronomic Values of Anaerobically Digested Cattle Manure and the Separated Solids for Barley Forage Production. Soil Science Society of America Journal, 2016, 80, 1572-1584. | 1.2 | 12 |
| 57 | Residual Effects of Novel versus Traditional Organic Amendments for Rain-fed No-till Barley: Yield, Nutrient Uptake, and N2O Emissions. Compost Science and Utilization, 2016, 24, 219-229. | 1.2 | 1 |
| 58 | Effect of thermal and alkaline pretreatment of giant miscanthus and Chinese fountaingrass on biogas production. Water Science and Technology, 2016, 73, 849-856. | 1.2 | 13 |
| 59 | Influence of long-term application of composted or stockpiled feedlot manure with straw or wood chips on soil cation exchange capacity. Compost Science and Utilization, 2016, 24, 54-60. | 1.2 | 18 |
| 60 | Nitrous Oxide Emissions in Response to ESN and Urea Application in a No-Till Barley Cropping System. Communications in Soil Science and Plant Analysis, 2016, 47, 692-705. | 0.6 | 9 |
| 61 | Responses of plant community coverage to simulated warming and nitrogen addition in a desert steppe in Northern China. Ecological Research, 2015, 30, 605-614. | 0.7 | 18 |
| 62 | Bioaugmentation with an anaerobic fungus in a two-stage process for biohydrogen and biogas production using corn silage and cattail. Bioresource Technology, 2015, 185, 79-88. | 4.8 | 104 |
| 63 | Influence of Long-Term (9Âyr) Composted and Stockpiled Feedlot Manure Application on Selected Soil Physical Properties of a Clay Loam Soil in Southern Alberta. Compost Science and Utilization, 2015, 23, 1-10. | 1.2 | 20 |
| 64 | Soil Quality in Relation to Agricultural Production in the North China Plain. Pedosphere, 2015, 25, 592-604. | 2.1 | 23 |
| 65 | Validation of a soil phosphorus accumulation model in the wheatâ€“maize rotation production areas of China. Field Crops Research, 2015, 178, 42-48. | 2.3 | 9 |
| 66 | Nitrous Oxide and Carbon Dioxide Emissions During the Nongrowing Season from Manured Soils under Rainfed and Irrigated Conditions. Geomicrobiology Journal, 2015, 32, 648-654. | 1.0 | 12 |
| 67 | Crop and Soil Responses to Fertilization with Distillersâ€™ Grainsâ€“Derived Manure in a Saskatchewan Soil. Communications in Soil Science and Plant Analysis, 2015, 46, 2847-2865. | 0.6 | 0 |
| 68 | Anaerobic digestion of paunch in a CSTR for renewable energy production and nutrient mineralization. Waste Management, 2015, 43, 123-129. | 3.7 | 18 |
| 69 | Effects of greenhouse intensive cultivation and organic amendments on greenhouse gas emission according to a soil incubation study. Archives of Agronomy and Soil Science, 2015, 61, 89-103. | 1.3 | 9 |
| 70 | Influence of distiller's grains and condensed tannins in the diet of feedlot cattle on biohydrogen production from cattle manure. International Journal of Hydrogen Energy, 2015, 40, 6050-6058. | 3.8 | 7 |
| 71 | Co-composting of Beef Cattle Feedlot Manure with Construction and Demolition Waste. Journal of Environmental Quality, 2014, 43, 1799-1808. | 1.0 | 8 |
| 72 | A Bioassay of Nitrogen Availability in Soils Amended with Solid Digestate from Anaerobically Digested Beef Cattle Feedlot Manure. Soil Science Society of America Journal, 2014, 78, 1291-1300. | 1.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Relating Crop Productivity to Soil Microbial Properties in Acid Soil Treated with Cattle Manure. Agronomy Journal, 2014, 106, 612-621. | 0.9 | 21 |
| 74 | Changes in Nitrogen Availability in Chernozemic Soils Amended with Anaerobically Digested Cattle Manure. Soil Science Society of America Journal, 2014, 78, 843-851. | 1.2 | 4 |
| 75 | Fertilizer potential of thin stillage from wheat-based ethanol production. Bioenergy Research, 2014, 7, 1421-1429. | 2.2 | 8 |
| 76 | Microbial communities and greenhouse gas emissions associated with the biodegradation of specified risk material in compost. Waste Management, 2013, 33, 1372-1380. | 3.7 | 24 |
| 77 | How different longâ€term fertilization strategies influence crop yield and soil properties in a maize field in the North China Plain. Journal of Plant Nutrition and Soil Science, 2013, 176, 99-109. | 1.1 | 53 |
| 78 | Longâ€Term Manure Applications Impact on Irrigated Barley Forage Mineral Concentrations. Agronomy Journal, 2013, 105, 1441-1450. | 0.9 | 18 |
| 79 | Responses of herbage and cattle tail switch hair Î´<sup>15</sup>N value to long-term stocking rates on a rough fescue grassland. Soil Science and Plant Nutrition, 2012, 58, 326-333. | 0.8 | 5 |
| 80 | Changes in soil C, N, and P with longâ€term (58 years) cattle grazing on rough fescue grassland. Journal of Plant Nutrition and Soil Science, 2012, 175, 339-344. | 1.1 | 19 |
| 81 | Will genetically engineered crop production affect soil carbon?. Canadian Journal of Soil Science, 2012, 92, 841-844. | 0.5 | 1 |
| 82 | Retention and nitrification of injected anhydrous NH3as affected by soil pH. Canadian Journal of Soil Science, 2012, 92, 589-598. | 0.5 | 3 |
| 83 | Solid beef cattle manure application impacts on soil properties and 17Î²-estradiol fate in a clay loam soil. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 495-504. | 0.7 | 5 |
| 84 | Temporal changes in soil organic carbon contents and Î´13C values under long-term maizeâ€“wheat rotation systems with various soil and climate conditions. Geoderma, 2012, 183-184, 67-73. | 2.3 | 19 |
| 85 | Nitrous oxide emissions in response to ESN and urea, herbicide management and canola cultivar in a no-till cropping system. Soil and Tillage Research, 2012, 118, 97-106. | 2.6 | 19 |
| 86 | Carbon mineralization and retention of livestock manure composts with different substrate qualities in three soils. Journal of Soils and Sediments, 2012, 12, 312-322. | 1.5 | 22 |
| 87 | Impact of Stocking Rate and Rainfall on Sheep Performance in a Desert Steppe. Rangeland Ecology and Management, 2011, 64, 249-256. | 1.1 | 27 |
| 88 | Nitrogen transformations and greenhouse gas emissions during composting of manure from cattle fed diets containing corn dried distillers grains with solubles and condensed tannins. Animal Feed Science and Technology, 2011, 166-167, 539-549. | 1.1 | 28 |
| 89 | Phosphorus Mobility in a Soil with Long Term Manure Application. Journal of Agricultural Science, 2011, 3, . | 0.1 | 7 |
| 90 | Realâ€Time Quantification of mcrA, pmoA for Methanogen, Methanotroph Estimations during Composting. Journal of Environmental Quality, 2011, 40, 199-205. | 1.0 | 20 |

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|---|---|---|---|
| 91 | Phosphorus efficiency in a long-term wheatâ€“rice cropping system in China. Journal of Agricultural Science, 2011, 149, 297-304. | 0.6 | 10 |
| 92 | Greenhouse Gas Emissions from Cattle Feedlot Manure Composting and Anaerobic Digestion as a Potential Mitigation Strategy. ACS Symposium Series, 2011, , 419-441. | 0.5 | 3 |
| 93 | Veterinary Antimicrobials in Feedlot Manure: Dissipation during Composting and Effects on Composting Processes. Journal of Environmental Quality, 2011, 40, 188-198. | 1.0 | 47 |
| 94 | Canola Response to ESN and Urea in a Four-Year No-Till Cropping System. Agronomy Journal, 2011, 103, 92-99. | 0.9 | 43 |
| 95 | Greenhouse gas emissions when composting manure from cattle fed wheat dried distillersâ€™ grains with solubles. Nutrient Cycling in Agroecosystems, 2011, 89, 105-114. | 1.1 | 17 |
| 96 | Inclusion of antibiotics in feed alters greenhouse gas emissions from feedlot manure during composting. Nutrient Cycling in Agroecosystems, 2011, 89, 257-267. | 1.1 | 6 |
| 97 | Influence of increasing temperature and nitrogen input on greenhouse gas emissions from a desert steppe soil in Inner Mongolia. Soil Science and Plant Nutrition, 2011, 57, 508-518. | 0.8 | 21 |
| 98 | Soil and Compost Type Affect Phosphorus Leaching from Inceptisol, Ultisol, and Andisol in a Column Experiment. Communications in Soil Science and Plant Analysis, 2011, 42, 2188-2199. | 0.6 | 10 |
| 99 | Effect of longâ€term cattle grazing on seasonal nitrogen and phosphorus concentrations in range forage species in the fescue grassland of southwestern Alberta. Journal of Plant Nutrition and Soil Science, 2010, 173, 946-951. | 1.1 | 13 |
| 100 | Livestock manure improves acid soil productivity under a cold northern Alberta climate. Canadian Journal of Soil Science, 2010, 90, 685-697. | 0.5 | 11 |
| 101 | Using manure from cattle fed dried distillersâ€™ grains with solubles (DDGS) as fertilizer: Effects on nutrient accumulation in soil and uptake by barley. Agriculture, Ecosystems and Environment, 2010, 139, 720-727. | 2.5 | 11 |
| 102 | Compost type effects on nitrogen leaching from Inceptisol, Ultisol, and Andisol in a column experiment. Journal of Soils and Sediments, 2010, 10, 1517-1526. | 1.5 | 10 |
| 103 | Land-use type and temperature affect gross nitrogen transformation rates in Chinese and Canadian soils. Plant and Soil, 2010, 334, 377-389. | 1.8 | 55 |
| 104 | Biohydrogen production from specified risk materials co-digested with cattle manure. International Journal of Hydrogen Energy, 2010, 35, 1099-1105. | 3.8 | 23 |
| 105 | Anaerobic digestion of specified risk materials with cattle manure for biogas production. Bioresource Technology, 2010, 101, 5780-5785. | 4.8 | 26 |
| 106 | Cultivation and Reseeding Effects on Soil Organic Matter in the Mixed Prairie. Soil Science Society of America Journal, 2010, 74, 1348-1355. | 1.2 | 8 |
| 107 | Determining critical values of soil Olsen-P for maize and winter wheat from long-term experiments in China. Plant and Soil, 2009, 323, 143-151. | 1.8 | 97 |
| 108 | Greenhouse gas emissions and final compost properties from co-composting bovine specified risk material and mortalities with manure. Nutrient Cycling in Agroecosystems, 2009, 83, 289-299. | 1.1 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Spatial pattern of ammonia sorption by soil and vegetation downwind of a beef feedlot. Agriculture, Ecosystems and Environment, 2009, 132, 39-47. | 2.5 | 9 |
| 110 | Seasonal response of herbage production and its nutrient and mineral contents to long-term cattle grazing on a Rough Fescue grassland. Agriculture, Ecosystems and Environment, 2009, 132, 32-38. | 2.5 | 23 |
| 111 | Rate of soil recovery following termination of long-term cattle manure applications. Geoderma, 2009, 150, 415-423. | 2.3 | 29 |
| 112 | Do Introduced Grasses Improve Forage Production on the Northern Mixed Prairie. Rangeland Ecology and Management, 2009, 62, 53-59. | 1.1 | 8 |
| 113 | Effects of Dried Distillers' Grains with Solubles (Wheatâ€Based) in Feedlot Cattle Diets on Feces and Manure Composition. Journal of Environmental Quality, 2009, 38, 1709-1718. | 1.0 | 34 |
| 114 | Effect of temperature on anaerobic fermentative hydrogen gas production from feedlot cattle manure usingÂmixed microflora. International Journal of Hydrogen Energy, 2008, 33, 4301-4308. | 3.8 | 35 |
| 115 | Effect of grazing intensity on carbon and nitrogen in soil and vegetation in a meadow steppe in Inner Mongolia. Agriculture, Ecosystems and Environment, 2008, 125, 21-32. | 2.5 | 207 |
| 116 | Influence of historic sheep grazing on vegetation and soil properties of a Desert Steppe in Inner Mongolia. Agriculture, Ecosystems and Environment, 2008, 128, 109-116. | 2.5 | 147 |
| 117 | Distribution of sulfamethazine, chlortetracycline and tylosin in manure and soil of Canadian feedlots after subtherapeutic use in cattle. Environmental Pollution, 2008, 156, 1243-1251. | 3.7 | 184 |
| 118 | Phosphorus efficiency in long-term (15 years) wheatâ€“maize cropping systems with various soil and climate conditions. Field Crops Research, 2008, 108, 231-237. | 2.3 | 113 |
| 119 | Effects of Long-Term Cattle Manure Applications on Soil, Water, and Crops Implications for Animal and Human Health. , 2008, , 135-151. | | 5 |
| 120 | NUTRIENT SUPPLY TO SOIL AND SURFACE WATER FROM DEPOSITION OF WIND-ERODIBLE-SIZED SOIL AGGREGATES. Soil Science, 2008, 173, 214-222. | 0.9 | 2 |
| 121 | Distribution of Phosphorus Forms in Soil Following Longâ€term Continuous and Discontinuous Cattle Manure Applications. Soil Science Society of America Journal, 2008, 72, 90-97. | 1.2 | 71 |
| 122 | Trace Element Changes in Soil after Longâ€Term Cattle Manure Applications. Journal of Environmental Quality, 2008, 37, 798-807. | 1.0 | 74 |
| 123 | Effect of a lignite-coal extract on nutrient composition and gas emissions from cattle feedlot manure. Canadian Journal of Soil Science, 2007, 87, 281-290. | 0.5 | 2 |
| 124 | Elevation-Based Soil Sampling to Assess Temporal Changes in Soil Constituents. Soil Science Society of America Journal, 2007, 71, 424-429. | 1.2 | 10 |
| 125 | Greenhouse Gas Emissions during Coâ€Composting of Calf Mortalities with Manure. Journal of Environmental Quality, 2007, 36, 1914-1919. | 1.0 | 9 |
| 126 | A review of composting as a management alternative for beef cattle feedlot manure in southern Alberta, Canada. Bioresource Technology, 2007, 98, 3221-3227. | 4.8 | 168 |

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|---|---|---|---|
| 127 | Greenhouse gas emissions during co-composting of cattle mortalities with manure. Nutrient Cycling in Agroecosystems, 2007, 78, 177-187. | 1.1 | 32 |
| 128 | Nitrate accumulation and greenhouse gas emissions during compost storage. Nutrient Cycling in Agroecosystems, 2007, 78, 189-195. | 1.1 | 10 |
| 129 | Fresh, Stockpiled, and Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2006, 35, 1844-1854. | 1.0 | 125 |
| 130 | Sorption of Atmospheric Ammonia by Soil and Perennial Grass Downwind From Two Large Cattle Feedlots. Journal of Environmental Quality, 2006, 35, 1960-1965. | 1.0 | 20 |
| 131 | Influence of management practices on soil organic matter changes in the Northern China plain and Northeastern China. Soil and Tillage Research, 2006, 86, 230-236. | 2.6 | 13 |
| 132 | Potential nitrogen enrichment of soil and surface water by atmospheric ammonia sorption in intensive livestock production areas. Agriculture, Ecosystems and Environment, 2005, 110, 185-194. | 2.5 | 6 |
| 133 | White Spruce Response to Co-Composted Hydrocarbon-Contaminated Drilling Waste. Journal of Environmental Quality, 2005, 34, 1319-1327. | 1.0 | 11 |
| 134 | Influence of Canola and Sunflower Diet Amendments on Cattle Feedlot Manure. Journal of Environmental Quality, 2005, 34, 1439-1445. | 1.0 | 13 |
| 135 | The Effect of Phosphogypsum on Greenhouse Gas Emissions during Cattle Manure Composting. Journal of Environmental Quality, 2005, 34, 774-781. | 1.0 | 85 |
| 136 | Soil retention, tree uptake, and tree resorption of 15NH4NO3 and NH415NO3 applied to trembling and hybrid aspens at planting. Canadian Journal of Forest Research, 2005, 35, 823-831. | 0.8 | 34 |
| 137 | Increase in phosphorus concentration of a clay loam surface soil receiving repeated annual feedlot cattle manure applications in southern Alberta. Canadian Journal of Soil Science, 2005, 85, 589-597. | 0.5 | 19 |
| 138 | Carbon, Nitrogen Balances and Greenhouse Gas Emission during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2004, 33, 37. | 1.0 | 49 |
| 139 | Carbon, Nitrogen Balances and Greenhouse Gas Emission during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2004, 33, 37-44. | 1.0 | 190 |
| 140 | Changes in soil properties in southern Beijing Municipality following land reform. Soil and Tillage Research, 2004, 75, 143-150. | 2.6 | 14 |
| 141 | LONG-TERM AND RESIDUAL EFFECTS OF CATTLE MANURE APPLICATION ON DISTRIBUTION OF P IN SOIL AGGREGATES. Soil Science, 2004, 169, 715-728. | 0.9 | 29 |
| 142 | Effect of long-term cattle manure application on relations between nitrogen and oil content in canola seedBeziehung zwischen Stickstoff- undÃ–lgehalt in Rapssamen bei langjÃhriger DÃ¼ngung mit RindergÃ¼lle. Journal of Plant Nutrition and Soil Science, 2004, 167, 214-215. | 1.1 | 36 |
| 143 | Does long-term heavy cattle manure application increase salinity of a clay loam soil in semi-arid southern Alberta?. Agriculture, Ecosystems and Environment, 2003, 94, 89-103. | 2.5 | 154 |
| 144 | Soil carbon and nitrogen response to 25 annual cattle manure applications. Journal of Plant Nutrition and Soil Science, 2003, 166, 239-245. | 1.1 | 79 |

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|---|---|---|---|
| 145 | EFFECT OF 25 ANNUAL CATTLE MANURE APPLICATIONS ON SOLUBLE AND EXCHANGEABLE CATIONS IN SOIL. Soil Science, 2002, 167, 126-134. | 0.9 | 68 |
| 146 | Chemical retardation of phosphate diffusion in an acid soil as affected by liming. Nutrient Cycling in Agroecosystems, 2002, 64, 213-224. | 1.1 | 56 |
| 147 | Greenhouse Gas Emissions during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2001, 30, 376-386. | 1.0 | 215 |
| 148 | Nitrous oxide emissions from an irrigated soil as affected by fertilizer and straw management. Nutrient Cycling in Agroecosystems, 2001, 60, 1-8. | 1.1 | 109 |
| 149 | Effect of minimum tillage and crop sequence on physical properties of irrigated soil in southern Alberta. Soil and Tillage Research, 2000, 57, 53-60. | 2.6 | 16 |
| 150 | Manure Management. , 0, , 245-263. | | 3 |