

Daniel N Miller

List of Publications by Year in descending order

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39
papers

1,361
citations

430843

18
h-index

361001

35
g-index

39
all docs

39
docs citations

39
times ranked

1711
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonium transport and reaction in contaminated groundwater: Application of isotope tracers and isotope fractionation studies. <i>Water Resources Research</i> , 2006, 42, .	4.2	158
2	Distribution and Quantification of Antibiotic Resistant Genes and Bacteria across Agricultural and Non-Agricultural Metagenomes. <i>PLoS ONE</i> , 2012, 7, e48325.	2.5	125
3	Evaluation of gel filtration resins for the removal of PCR-inhibitory substances from soils and sediments. <i>Journal of Microbiological Methods</i> , 2001, 44, 49-58.	1.6	100
4	Cattle Feedlot Soil Moisture and Manure Content: II. Impact on <i>Escherichia coli</i> O157. <i>Journal of Environmental Quality</i> , 2005, 34, 656-663.	2.0	83
5	Small-scale, hydrogen-oxidizing-denitrifying bioreactor for treatment of nitrate-contaminated drinking water. <i>Water Research</i> , 2005, 39, 2014-2023.	11.3	83
6	In Situ Stimulation of Groundwater Denitrification with Formate To Remediate Nitrate Contamination. <i>Environmental Science & Technology</i> , 2001, 35, 196-203.	10.0	77
7	Antimicrobial resistance and the environment: assessment of advances, gaps and recommendations for agriculture, aquaculture and pharmaceutical manufacturing. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	71
8	Plant-Derived Oils Reduce Pathogens and Gaseous Emissions from Stored Cattle Waste. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1366-1370.	3.1	65
9	Arbuscular mycorrhizal fungi differ in their ability to regulate the expression of phosphate transporters in maize (<i>Zea mays</i> L.). <i>Mycorrhiza</i> , 2013, 23, 507-514.	2.8	65
10	Cattle Feedlot Soil Moisture and Manure Content: I. Impacts on Greenhouse Gases, Odor Compounds, Nitrogen Losses, and Dust. <i>Journal of Environmental Quality</i> , 2005, 34, 644-655.	2.0	63
11	Tetracycline and Sulfonamide Antibiotic Resistance Genes in Soils From Nebraska Organic Farming Operations. <i>Frontiers in Microbiology</i> , 2018, 9, 1283.	3.5	51
12	Assessment of Selected Antibiotic Resistances in Ungrazed Native Nebraska Prairie Soils. <i>Journal of Environmental Quality</i> , 2016, 45, 454-462.	2.0	50
13	Bacterial and archaeal ammonia oxidizers respond differently to long-term tillage and fertilizer management at a continuous maize site. <i>Soil and Tillage Research</i> , 2017, 168, 110-117.	5.6	45
14	Environmental fate and microbial effects of monensin, lincomycin, and sulfamethazine residues in soil. <i>Environmental Pollution</i> , 2019, 246, 60-68.	7.5	42
15	A Solid-Phase Microextraction Chamber Method for Analysis of Manure Volatiles. <i>Journal of Environmental Quality</i> , 2006, 35, 2383-2394.	2.0	32
16	Greenhouse gas mitigation by covers on livestock slurry tanks and lagoons?. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 1407-1411.	3.5	30
17	Electromagnetic Induction Sensor Data to Identify Areas of Manure Accumulation on a Feedlot Surface. <i>Soil Science Society of America Journal</i> , 2009, 73, 2068-2077.	2.2	27
18	Effect of Antimicrobial Agents on Livestock Waste Emissions. <i>Current Microbiology</i> , 2000, 40, 392-397.	2.2	25

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19	Applications of laser scanning microscopy for analysis of aquatic microhabitats. , 1996, 33, 73-86.		22
20	Methanotrophic Activity, Abundance, and Diversity in Forested Swamp Pools: Spatiotemporal Dynamics and Influences on Methane Fluxes. Geomicrobiology Journal, 2004, 21, 257-271.	2.0	18
21	Microbial characterization of nitrification in a shallow, nitrogen-contaminated aquifer, Cape Cod, Massachusetts and detection of a novel cluster associated with nitrifying Betaproteobacteria. Journal of Contaminant Hydrology, 2009, 103, 182-193.	3.3	18
22	Enteric Methane Emissions and Animal Performance in Dairy and Beef Cattle Production: Strategies, Opportunities, and Impact of Reducing Emissions. Animals, 2022, 12, 948.	2.3	17
23	Effect of Bedding Materials on Concentration of Odorous Compounds and <i>Escherichia coli</i> in Beef Cattle Bedded Manure Packs. Journal of Environmental Quality, 2013, 42, 65-75.	2.0	14
24	Bacterial Community of the Rice Floodwater Using Cultivation-Independent Approaches. International Journal of Microbiology, 2018, 2018, 1-13.	2.3	14
25	Emission of Volatile Organic Compounds after Land Application of Cattle Manure. Journal of Environmental Quality, 2014, 43, 1207-1218.	2.0	10
26	Tracking Bacteria through the Entire Gastrointestinal Tract of a Beef Steer. Agricultural and Environmental Letters, 2017, 2, 170016.	1.2	10
27	Use of Wood-Based Materials in Beef Bedded Manure Packs: 2. Effect on Odorous Volatile Organic Compounds, Odor Activity Value, <i>Escherichia coli</i> , and Nutrient Concentrations. Journal of Environmental Quality, 2014, 43, 1195-1206.	2.0	8
28	Simulated Winter Incubation of Soil With Swine Manure Differentially Affects Multiple Antimicrobial Resistance Elements. Frontiers in Microbiology, 2020, 11, 611912.	3.5	7
29	Use of Wood-Based Materials in Beef Bedded Manure Packs: 1. Effect on Ammonia, Total Reduced Sulfide, and Greenhouse Gas Concentrations. Journal of Environmental Quality, 2014, 43, 1187-1194.	2.0	6
30	High purity CH_4 generation using the thermophilic acetotrophic methanogen <i>Methanothrix</i> sp. strain CALS-1. Journal of Microbiological Methods, 1999, 35, 151-156.	1.6	5
31	Impact of Vegetative Treatment Systems on Multiple Measures of Antibiotic Resistance in Agricultural Wastewater. International Journal of Environmental Research and Public Health, 2018, 15, 1295.	2.6	5
32	Ammonia, Total Reduced Sulfides, and Greenhouse Gases of Pine Chip and Corn Stover Bedding Packs. Journal of Environmental Quality, 2016, 45, 630-637.	2.0	4
33	Evaluation of Fecal Indicators and Pathogens in a Beef Cattle Feedlot Vegetative Treatment System. Journal of Environmental Quality, 2017, 46, 169-176.	2.0	4
34	Evaluating coal char as an alternative to biochar for mitigating nutrient and carbon loss from manure-amended soils: Insights from a greenhouse experiment. Journal of Environmental Quality, 2022, 51, 272-287.	2.0	3
35	Differential Survival of Non-O157 Shiga Toxigenic <i>Escherichia coli</i> in Simulated Cattle Feedlot Runoff. Foodborne Pathogens and Disease, 2021, 18, 771-777.	1.8	2
36	Distillers By-Product Cattle Diets Enhance Reduced Sulfur Gas Fluxes from Feedlot Soils and Manures. Journal of Environmental Quality, 2016, 45, 1161-1168.	2.0	1

#	ARTICLE	IF	CITATIONS
37	Setback distance impacts on transport and antibiotic resistance phenotypes of fecal indicators. , 2020, 3, e20081.		1
38	EMI Sensor Data to Identify Areas of Manure Accumulation on a Feedlot Surface. , 2009, , .		0
39	Effects of feeding mode on the performance, life span and greenhouse gas emissions of a vertical flow macrophyte assisted vermifilter. Npj Clean Water, 2022, 5, .	8.0	0