

Robert S Dungan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

991
citations

18
h-index

29
g-index

56
ext. papers

1,145
ext. citations

4.3
avg, IF

4.65
L-index

#	Paper	IF	Citations
54	Emissions of ammonia, methane, carbon dioxide, and nitrous oxide from dairy cattle housing and manure management systems. <i>Journal of Environmental Quality</i> , 2011 , 40, 1383-94	3.4	117
53	Occurrence and abundance of antibiotic resistance genes in agricultural soil receiving dairy manure. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	79
52	Effect of propargyl bromide and 1,3-dichloropropene on microbial communities in an organically amended soil. <i>FEMS Microbiology Ecology</i> , 2003 , 43, 75-87	4.3	68
51	Accelerated Degradation of Methyl Isothiocyanate in Soil. <i>Water, Air, and Soil Pollution</i> , 2003 , 142, 299-310	3.6	53
50	Antibiotics in Agroecosystems: Introduction to the Special Section. <i>Journal of Environmental Quality</i> , 2016 , 45, 377-93	3.4	49
49	The characterization of total and leachable metals in foundry molding sands. <i>Journal of Environmental Management</i> , 2009 , 90, 539-48	7.9	44
48	Tracking antibiotic resistance genes in soil irrigated with dairy wastewater. <i>Science of the Total Environment</i> , 2018 , 635, 1477-1483	10.2	41
47	How Should We Be Determining Background and Baseline Antibiotic Resistance Levels in Agroecosystem Research?. <i>Journal of Environmental Quality</i> , 2016 , 45, 420-31	3.4	34
46	Pyrolysis of foundry sand resins: a determination of organic products by mass spectrometry. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005 , 40, 1557-67	2.3	32
45	Characterization of physical and chemical properties of spent foundry sands pertinent to beneficial use in manufactured soils. <i>Plant and Soil</i> , 2010 , 329, 27-33	4.2	31
44	Greenhouse gas and ammonia emissions from an open-freestall dairy in southern idaho. <i>Journal of Environmental Quality</i> , 2013 , 42, 10-20	3.4	27
43	Qualitative and quantitative methodologies for determination of airborne microorganisms at concentrated animal-feeding operations. <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 1505-1518	4.4	26
42	Blending foundry sands with soil: Effect on dehydrogenase activity. <i>Science of the Total Environment</i> , 2006 , 357, 221-30	10.2	24
41	Nutritional and Environmental Effects on Ammonia Emissions from Dairy Cattle Housing: A Meta-Analysis. <i>Journal of Environmental Quality</i> , 2016 , 45, 1123-32	3.4	20
40	Analysis of total metals in waste molding and core sands from ferrous and non-ferrous foundries. <i>Journal of Environmental Management</i> , 2012 , 110, 77-81	7.9	19
39	Use of a culture-independent approach to characterize aerosolized bacteria near an open-freestall dairy operation. <i>Environment International</i> , 2012 , 41, 8-14	12.9	19
38	Assessment of bioaerosols at a concentrated dairy operation. <i>Aerobiologia</i> , 2010 , 26, 171-184	2.4	18

37	Pyrolysis of carbonaceous foundry sand additives: Seacoal and gilsonite. <i>Thermochimica Acta</i> , 2007 , 460, 60-66	2.9	18
36	Use of an integrated approach to characterize the physicochemical properties of foundry green sands. <i>Thermochimica Acta</i> , 2012 , 543, 150-155	2.9	17
35	Diversity of Bacteria and Archaea in hypersaline sediment from Death Valley National Park, California. <i>MicrobiologyOpen</i> , 2012 , 1, 135-48	3.4	17
34	The community composition of root-associated bacteria of the tomato plant. <i>World Journal of Microbiology and Biotechnology</i> , 2006 , 22, 1267-1273	4.4	17
33	Airborne endotoxin concentrations at a large open-lot dairy in southern idaho. <i>Journal of Environmental Quality</i> , 2009 , 38, 1919-23	3.4	16
32	Metals in Waste Foundry Sands and an Evaluation of Their Leaching and Transport to Groundwater. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	15
31	Quantification of bacterial indicators and zoonotic pathogens in dairy wastewater ponds. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 8089-95	4.8	15
30	Survey of selected antibiotic resistance genes in agricultural and non-agricultural soils in south-central Idaho. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	13
29	Greenhouse Gas Emissions from an Irrigated Dairy Forage Rotation as Influenced by Fertilizer and Manure Applications. <i>Soil Science Society of America Journal</i> , 2017 , 81, 537-545	2.5	13
28	Occurrence of Antibiotics in an Agricultural Watershed in South-Central Idaho. <i>Journal of Environmental Quality</i> , 2017 , 46, 1455-1461	3.4	13
27	Concentrations of PCDD/PCDFs and PCBs in spent foundry sands. <i>Chemosphere</i> , 2009 , 75, 1232-5	8.4	11
26	Airborne endotoxin from indoor and outdoor environments: effect of sample dilution on the kinetic Limulus ameocyte lysate (LAL) assay. <i>Journal of Occupational and Environmental Hygiene</i> , 2011 , 8, 147-53 ⁹	2.9	11
25	The effect of extraction, storage, and analysis techniques on the measurement of airborne endotoxin from a large dairy. <i>Aerobiologia</i> , 2009 , 25, 265-273	2.4	10
24	Use of Spinach, Radish, and Perennial Ryegrass to Assess the Availability of Metals in Waste Foundry Sands. <i>Water, Air, and Soil Pollution</i> , 2007 , 183, 213-223	2.6	9
23	Recovery of culturable Escherichia coli O157:H7 during operation of a liquid-based bioaerosol sampler. <i>Aerosol Science and Technology</i> , 2016 , 50, 71-75	3.4	8
22	Year-long assessment of airborne endotoxin at a concentrated dairy operation. <i>Aerobiologia</i> , 2010 , 26, 141-148	2.4	8
21	Use of standardized procedures to evaluate metal leaching from waste foundry sands. <i>Journal of Environmental Quality</i> , 2013 , 42, 615-20	3.4	7
20	Ambient endotoxin concentrations and assessment of offsite transport at open-lot and open-freestall dairies. <i>Journal of Environmental Quality</i> , 2011 , 40, 462-7	3.4	7

19	Antibiotic resistance genes, class 1 integrons, and IncP-1/IncQ-1 plasmids in irrigation return flows. <i>Environmental Pollution</i> , 2020 , 257, 113568	9.3	7
18	Livestock GRACeNet: A Workgroup Dedicated to Evaluating and Mitigating Emissions from Livestock Production. <i>Journal of Environmental Quality</i> , 2014 , 43, 1101-10	3.4	6
17	The characterization of microorganisms in dairy wastewater storage ponds. <i>Journal of Environmental Quality</i> , 2013 , 42, 1583-8	3.4	5
16	The characterization and composition of bacterial communities in soils blended with spent foundry sand. <i>Annals of Microbiology</i> , 2009 , 59, 239-246	3.2	5
15	Detection of Purple Sulfur Bacteria in Purple and Non-purple Dairy Wastewaters. <i>Journal of Environmental Quality</i> , 2015 , 44, 1550-5	3.4	4
14	Near Infrared Spectroscopic Analysis of Foundry Moulding and Core Sands. <i>Journal of Near Infrared Spectroscopy</i> , 2007 , 15, 189-194	1.5	4
13	Greenhouse gas emissions from an irrigated cropping rotation with dairy manure utilization in a semiarid climate. <i>Agronomy Journal</i> , 2021 , 113, 1222-1237	2.2	4
12	A newly developed Escherichia coli isolate panel from a cross section of U.S. animal production systems reveals geographic and commodity-based differences in antibiotic resistance gene carriage. <i>Journal of Hazardous Materials</i> , 2020 , 382, 120991	12.8	4
11	Evaluation of a microplate spectrophotometer for soil organic carbon determination in south-central Idaho. <i>Soil Science Society of America Journal</i> , 2021 , 85, 438-451	2.5	4
10	Effects of diet and manure storage method on carbon and nitrogen dynamics during storage and plant nitrogen uptake. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 250, 51-58	5.7	3
9	Dairy-CropSyst: Gaseous emissions and nutrient fate modeling tool. <i>Computers and Electronics in Agriculture</i> , 2019 , 162, 962-978	6.5	3
8	Influence of environmental conditions on extracellular and intracellular antibiotic resistance genes in manure-amended soil: A microcosm study. <i>Soil Science Society of America Journal</i> , 2020 , 84, 747-759	2.5	3
7	Diversity of Plasmids and Genes Encoding Resistance to Extended-Spectrum β -Lactamase in from Different Animal Sources. <i>Microorganisms</i> , 2021 , 9,	4.9	3
6	Use of new technologies to evaluate the environmental footprint of feedlot systems. <i>Translational Animal Science</i> , 2018 , 2, 89-100	1.4	2
5	Mid-infrared spectroscopic analysis of chemically bound metalcasting sands. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 107, 332-335	6	2
4	Soil Organic Carbon Dynamics in Semi-Arid Irrigated Cropping Systems. <i>Agronomy</i> , 2021 , 11, 484	3.6	2
3	Comparison of nutrient management recommendations and soil health indicators in southern Idaho 2020 , 3, e20033		1
2	Antimicrobial Resistance in and Enterococcal Isolates From Irrigation Return Flows in a High-Desert Watershed. <i>Frontiers in Microbiology</i> , 2021 , 12, 660697	5.7	0

- 1 Remediation of Halogenated Fumigant Compounds in the Root Zone by Subsurface Application of Ammonium Thiosulfate. *ACS Symposium Series*, **2003**, 169-179 0.4