

Francis J Larney

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,980
citations

361413
20
h-index

254184
43
g-index

61
all docs

61
docs citations

61
times ranked

1925
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of feeding a pine-based biochar to beef cattle on subsequent manure nutrients, organic matter composition and greenhouse gas emissions. <i>Science of the Total Environment</i> , 2022, 812, 152267.	8.0	9
2	Carbon-sensitive pedotransfer functions for plant available water. <i>Soil Science Society of America Journal</i> , 2022, 86, 612-629.	2.2	33
3	Linking soil microbial community structure to potential carbon mineralization: A continental scale assessment of reduced tillage. <i>Soil Biology and Biochemistry</i> , 2022, 168, 108618.	8.8	17
4	Pasture rejuvenation using sainfoin and cicer milkvetch in western Canada. <i>Agronomy Journal</i> , 2021, 113, 26-41.	1.8	4
5	Assessing legacy effects of a 12-year irrigated cropping systems study with a post-hoc bioassay. , 2021, 4, e20174.		0
6	Soil water dynamics over 12 seasons on irrigated dry bean-potato-wheat-sugar beet rotations. <i>Canadian Journal of Soil Science</i> , 2021, 101, 177-191.	1.2	0
7	Degradation of antimicrobial resistance genes within stockpiled beef cattle feedlot manure. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1-14.	1.7	1
8	Soil chemical properties following a one-time spent drilling mud application on native prairie. , 2020, 3, e20106.		0
9	Greenhouse gas and ammonia emissions from stored manure from beef cattle supplemented 3-nitrooxypropanol and monensin to reduce enteric methane emissions. <i>Scientific Reports</i> , 2020, 10, 19310.	3.3	14
10	164 Effect of trenbolone acetate, melengestrol acetate, and ractopamine hydrochloride on growth performance of growing beef cattle. <i>Journal of Animal Science</i> , 2020, 98, 127-127.	0.5	2
11	Westward expansion of soybean: adaptability of maturity group 00 genotypes to row spacing and seeding density under irrigation in southern Alberta. <i>Canadian Journal of Plant Science</i> , 2019, 99, 715-733.	0.9	3
12	Comparative diversity of microbiomes and Resistomes in beef feedlots, downstream environments and urban sewage influent. <i>BMC Microbiology</i> , 2019, 19, 197.	3.3	34
13	Soil organic matter dynamics in long-term temperate agroecosystems: rotation and nutrient addition effects. <i>Canadian Journal of Soil Science</i> , 2018, 98, 232-245.	1.2	24
14	Dissipation of antimicrobial resistance genes in compost originating from cattle manure after direct oral administration or post-excretion fortification of antimicrobials. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 373-384.	1.7	13
15	Soil Microbial Biomass and Its Relationship With Yields of Irrigated Wheat Under Long-term Conservation Management. <i>Soil Science</i> , 2018, 183, 179-187.	0.9	5
16	Wheat yield and soil properties reveal legacy effects of artificial erosion and amendments on a dryland Dark Brown Chernozem. <i>Canadian Journal of Soil Science</i> , 2018, 98, 663-677.	1.2	9
17	Phospholipid fatty acid biomarkers show positive soil microbial community responses to conservation soil management of irrigated crop rotations. <i>Soil and Tillage Research</i> , 2017, 168, 1-10.	5.6	36
18	Greenhouse gas emissions during co-composting of cattle feedlot manure with construction and demolition (C&D) waste. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	12

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19	Fall Rye Reduced Residual Soil Nitrate and Dryland Spring Wheat Grain Yield. <i>Agronomy Journal</i> , 2017, 109, 718-728.	1.8	11
20	Non-legume Cover Crops Can Increase Growing Season Nitrous Oxide Emissions. <i>Soil Science Society of America Journal</i> , 2017, 81, 189-199.	2.2	44
21	Organic Carbon Convergence in Diverse Soils toward Steady State: A 21-Year Field Bioassay. <i>Soil Science Society of America Journal</i> , 2016, 80, 1653-1662.	2.2	8
22	Sugar beet response to rotation and conservation management in a 12-year irrigated study in southern Alberta. <i>Canadian Journal of Plant Science</i> , 2016, 96, 776-789.	0.9	10
23	Long-term (47 yr) effects of tillage and frequency of summerfallow on soil organic carbon in a Dark Brown Chernozem soil in western Canada. <i>Canadian Journal of Soil Science</i> , 2016, 96, 347-350.	1.2	8
24	Soil quality attributes, soil resilience, and legacy effects following topsoil removal and one-time amendments. <i>Canadian Journal of Soil Science</i> , 2016, 96, 177-190.	1.2	24
25	Conservation Management Practices and Rotations for Irrigated Processing Potato in Southern Alberta. <i>American Journal of Potato Research</i> , 2016, 93, 50-63.	0.9	13
26	Residual Effects of Novel versus Traditional Organic Amendments for Rain-fed No-till Barley: Yield, Nutrient Uptake, and N ₂ O Emissions. <i>Compost Science and Utilization</i> , 2016, 24, 219-229.	1.2	1
27	Long-term cropping system impact on quality and productivity of a Dark Brown Chernozem in southern Alberta. <i>Canadian Journal of Soil Science</i> , 2015, 95, 177-186.	1.2	11
28	Conservation Management Practices and Rotations for Irrigated Dry Bean Production in Southern Alberta. <i>Agronomy Journal</i> , 2015, 107, 2281-2293.	1.8	13
29	Conservation Management and Crop Rotation Effects on Weed Populations in a 12-Year Irrigated Study. <i>Weed Technology</i> , 2015, 29, 835-843.	0.9	14
30	Surface Soil Quality Attributes following 12 Years of Conventional and Conservation Management on Irrigated Rotations in Southern Alberta. <i>Soil Science Society of America Journal</i> , 2015, 79, 930-942.	2.2	20
31	Transport of three veterinary antimicrobials from feedlot pens via simulated rainfall runoff. <i>Science of the Total Environment</i> , 2015, 521-522, 191-199.	8.0	24
32	Crop rotation effects on <i>Pratylenchus neglectus</i> populations in the root zone of irrigated potatoes in southern Alberta. <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 363-368.	1.4	21
33	Soluble salts, copper, zinc, and solids constituents in surface runoff from cattle manure compost windrows. <i>Canadian Journal of Soil Science</i> , 2014, 94, 515-527.	1.2	7
34	The role of organic amendments in soil reclamation: A review. <i>Canadian Journal of Soil Science</i> , 2012, 92, 19-38.	1.2	332
35	Residual effects of one-time manure, crop residue and fertilizer amendments on a desurfaced soil. <i>Canadian Journal of Soil Science</i> , 2011, 91, 1029-1043.	1.2	19
36	Greenhouse Gas Emissions from Cattle Feedlot Manure Composting and Anaerobic Digestion as a Potential Mitigation Strategy. <i>ACS Symposium Series</i> , 2011, , 419-441.	0.5	3

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37	An Improved Design for Biocontained Composting of Cattle Mortalities. Compost Science and Utilization, 2010, 18, 32-41.	1.2	18
38	Hydraulic Properties of a Sandy Loam Soil following Spent Drilling Mud Application on Native Prairie. Soil Science Society of America Journal, 2009, 73, 1108-1112.	2.2	11
39	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.	2.2	13
40	Fate of <i>Fusarium graminearum</i> and Other <i>Fusarium</i> Species During Composting Of Beef Cattle Feedlot Manure. Compost Science and Utilization, 2009, 17, 247-256.	1.2	2
41	Organic amendment effects on crop productivity and nutrient uptake on reclaimed natural gas wellsites. Nutrient Cycling in Agroecosystems, 2008, 80, 223-232.	2.2	8
42	A Long-Term Field Bioassay of Soil Quality Indicators in a Semiarid Environment. Soil Science Society of America Journal, 2008, 72, 683-692.	2.2	34
43	Physical and Chemical Changes during Composting of Wood Chip-Bedded and Straw-Bedded Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2008, 37, 725-735.	2.0	70
44	Surface Albedo and Soil Heat Flux Changes Following Drilling Mud Application to a Semiarid, Mixed-Grass Prairie. Soil Science Society of America Journal, 2008, 72, 1217-1225.	2.2	11
45	Dry Matter Mass Balance Estimates For Composted Feedlot Manure. Compost Science and Utilization, 2007, 15, 222-227.	1.2	12
46	Reclamation of Abandoned Natural Gas Wellsites with Organic Amendments: Effects on Soil Carbon, Nitrogen, and Phosphorus. Soil Science Society of America Journal, 2007, 71, 1186-1193.	2.2	13
47	A review of composting as a management alternative for beef cattle feedlot manure in southern Alberta, Canada. Bioresource Technology, 2007, 98, 3221-3227.	9.6	168
48	Fresh, Stockpiled, and Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2006, 35, 1844-1854.	2.0	125
49	Carbon, Nitrogen Balances and Greenhouse Gas Emission during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2004, 33, 37.	2.0	49
50	Fate of Coliform Bacteria in Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2003, 32, 1508-1515.	2.0	130
51	Weed Seed Viability in Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2003, 32, 1105-1113.	2.0	97
52	Overwinter Changes in Wind Erodibility of Clay Loam Soils in Southern Alberta. Soil Science Society of America Journal, 2001, 65, 423-430.	2.2	36
53	Greenhouse Gas Emissions during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2001, 30, 376-386.	2.0	215
54	Early Impact of Topsoil Removal and Soil Amendments on Crop Productivity. Agronomy Journal, 2000, 92, 948-956.	1.8	64

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55	Herbicide Transport on Wind-Eroded Sediment. Journal of Environmental Quality, 1999, 28, 1412-1421.	2.0	58
56	Dust and Endosulfan Deposition in a Cotton-Growing Area of Northern New South Wales, Australia. Journal of Environmental Quality, 1999, 28, 692-701.	2.0	20
57	Fallow Management and Overwinter Effects on Wind Erodibility in Southern Alberta. Soil Science Society of America Journal, 1994, 58, 1788.	2.2	22
58	Dryland Agriculture on the Canadian Prairies: Current Issues and Future Challenges. CSSA Special Publication - Crop Science Society of America, 0, , 113-138.	0.1	4
59	Economic optimum plant density of irrigated early-maturity soybean in southern Alberta. Canadian Journal of Plant Science, 0, , .	0.9	1