

Francis J Larney

List of Publications by Year in descending order

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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	The role of organic amendments in soil reclamation: A review. Canadian Journal of Soil Science, 2012, 92, 19-38.	1.2	332
2	Greenhouse Gas Emissions during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2001, 30, 376-386.	2.0	215
3	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
4	Fate of Coliform Bacteria in Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2003, 32, 1508-1515.	2.0	130
5	Fresh, Stockpiled, and Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2006, 35, 1844-1854.	2.0	125
6	Weed Seed Viability in Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2003, 32, 1105-1113.	2.0	97
7	Physical and Chemical Changes during Composting of Wood Chipâ€Bedded and Strawâ€Bedded Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2008, 37, 725-735.	2.0	70
8	Early Impact of Topsoil Removal and Soil Amendments on Crop Productivity. Agronomy Journal, 2000, 92, 948-956.	1.8	64
9	Herbicide Transport on Windâ€Eroded Sediment. Journal of Environmental Quality, 1999, 28, 1412-1421.	2.0	58
10	Carbon, Nitrogen Balances and Greenhouse Gas Emission during Cattle Feedlot Manure Composting. Journal of Environmental Quality, 2004, 33, 37.	2.0	49
11	Nonâ€Legume Cover Crops Can Increase Nonâ€Growing Season Nitrous Oxide Emissions. Soil Science Society of America Journal, 2017, 81, 189-199.	2.2	44
12	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
13	Phospholipid fatty acid biomarkers show positive soil microbial community responses to conservation soil management of irrigated crop rotations. Soil and Tillage Research, 2017, 168, 1-10.	5.6	36
14	A Longâ€Term Field Bioassay of Soil Quality Indicators in a Semiarid Environment. Soil Science Society of America Journal, 2008, 72, 683-692.	2.2	34
15	Comparative diversity of microbiomes and Resistomes in beef feedlots, downstream environments and urban sewage influent. BMC Microbiology, 2019, 19, 197.	3.3	34
16	Carbonâ€sensitive pedotransfer functions for plant available water. Soil Science Society of America Journal, 2022, 86, 612-629.	2.2	33
17	Transport of three veterinary antimicrobials from feedlot pens via simulated rainfall runoff. Science of the Total Environment, 2015, 521-522, 191-199.	8.0	24
18	Soil quality attributes, soil resilience, and legacy effects following topsoil removal and one-time amendments. Canadian Journal of Soil Science, 2016, 96, 177-190.	1.2	24

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19	Soil organic matter dynamics in long-term temperate agroecosystems: rotation and nutrient addition effects. Canadian Journal of Soil Science, 2018, 98, 232-245.	1.2	24
20	Fallow Management and Overwinter Effects on Wind Erodibility in Southern Alberta. Soil Science Society of America Journal, 1994, 58, 1788.	2.2	22
21	Crop rotation effects on <i>Pratylenchus neglectus</i> populations in the root zone of irrigated potatoes in southern Alberta. Canadian Journal of Plant Pathology, 2015, 37, 363-368.	1.4	21
22	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
23	Surface Soil Quality Attributes following 12 Years of Conventional and Conservation Management on Irrigated Rotations in Southern Alberta. Soil Science Society of America Journal, 2015, 79, 930-942.	2.2	20
24	Residual effects of one-time manure, crop residue and fertilizer amendments on a desurfaced soil. Canadian Journal of Soil Science, 2011, 91, 1029-1043.	1.2	19
25	An Improved Design for Biocontained Composting of Cattle Mortalities. Compost Science and Utilization, 2010, 18, 32-41.	1.2	18
26	Linking soil microbial community structure to potential carbon mineralization: A continental scale assessment of reduced tillage. Soil Biology and Biochemistry, 2022, 168, 108618.	8.8	17
27	Conservation Management and Crop Rotation Effects on Weed Populations in a 12-Year Irrigated Study. Weed Technology, 2015, 29, 835-843.	0.9	14
28	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.	3.3	14
29	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
30	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
31	Conservation Management Practices and Rotations for Irrigated Dry Bean Production in Southern Alberta. Agronomy Journal, 2015, 107, 2281-2293.	1.8	13
32	Conservation Management Practices and Rotations for Irrigated Processing Potato in Southern Alberta. American Journal of Potato Research, 2016, 93, 50-63.	0.9	13
33	Dissipation of antimicrobial resistance genes in compost originating from cattle manure after direct oral administration or post-excretion fortification of antimicrobials. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 373-384.	1.7	13
34	Dry Matter Mass Balance Estimates For Composted Feedlot Manure. Compost Science and Utilization, 2007, 15, 222-227.	1.2	12
35	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.	6.0	12
36	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

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37	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
38	Long-term cropping system impact on quality and productivity of a Dark Brown Chernozem in southern Alberta. Canadian Journal of Soil Science, 2015, 95, 177-186.	1.2	11
39	Fall Rye Reduced Residual Soil Nitrate and Dryland Spring Wheat Grain Yield. Agronomy Journal, 2017, 109, 718-728.	1.8	11
40	Sugar beet response to rotation and conservation management in a 12-year irrigated study in southern Alberta. Canadian Journal of Plant Science, 2016, 96, 776-789.	0.9	10
41	Wheat yield and soil properties reveal legacy effects of artificial erosion and amendments on a dryland Dark Brown Chernozem. Canadian Journal of Soil Science, 2018, 98, 663-677.	1.2	9
42	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.	8.0	9
43	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
44	Organic Carbon Convergence in Diverse Soils toward Steady State: A 21-Year Field Bioassay. Soil Science Society of America Journal, 2016, 80, 1653-1662.	2.2	8
45	Long-term (47 yr) effects of tillage and frequency of summerfallow on soil organic carbon in a Dark Brown Chernozem soil in western Canada. Canadian Journal of Soil Science, 2016, 96, 347-350.	1.2	8
46	Soluble salts, copper, zinc, and solids constituents in surface runoff from cattle manure compost windrows. Canadian Journal of Soil Science, 2014, 94, 515-527.	1.2	7
47	Soil Microbial Biomass and Its Relationship With Yields of Irrigated Wheat Under Long-term Conservation Management. Soil Science, 2018, 183, 179-187.	0.9	5
48	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
49	Pasture rejuvenation using sainfoin and cicer milkvetch in western Canada. Agronomy Journal, 2021, 113, 26-41.	1.8	4
50	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
51	Westward expansion of soybean: adaptability of maturity group 00 genotypes to row spacing and seeding density under irrigation in southern Alberta. Canadian Journal of Plant Science, 2019, 99, 715-733.	0.9	3
52	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
53	164 Effect of trenbolone acetate, melengestrol acetate, and ractopamine hydrochloride on growth performance of growing beef cattle. Journal of Animal Science, 2020, 98, 127-127.	0.5	2
54	Residual Effects of Novel versus Traditional Organic Amendments for Rain-fed No-till Barley: Yield, Nutrient Uptake, and N ₂ O Emissions. Compost Science and Utilization, 2016, 24, 219-229.	1.2	1

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55	Economic optimum plant density of irrigated early-maturity soybean in southern Alberta. Canadian Journal of Plant Science, 0, , .	0.9	1
56	Degradation of antimicrobial resistance genes within stockpiled beef cattle feedlot manure. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1-14.	1.7	1
57	Soil chemical properties following a one-time spent drilling mud application on native prairie. , 2020, 3, e20106.		0
58	Assessing legacy effects of a 12-year irrigated cropping systems study with a post-hoc bioassay. , 2021, 4, e20174.		0
59	Soil water dynamics over 12 seasons on irrigated dry bean-potato-wheat-sugar beet rotations. Canadian Journal of Soil Science, 2021, 101, 177-191.	1.2	0