

Francis Zvomuya

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

958
citations

586496

16
h-index

536525

29
g-index

50
all docs

50
docs citations

50
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	Response of organic grain and forage crops to struvite application in an alkaline soil. <i>Agronomy Journal</i> , 2022, 114, 795-810.	0.9	8
2	Dissipation of sulfamethoxazole and trimethoprim during temporary storage of biosolids: A microcosm study. <i>Chemosphere</i> , 2021, 269, 128729.	4.2	3
3	Bioavailability study of phosphorus in alum-phosphorus sludge using switchgrass. <i>Chemosphere</i> , 2021, 270, 129463.	4.2	2
4	Phytoextraction of ciprofloxacin and sulfamethoxazole by cattail and switchgrass. <i>Chemosphere</i> , 2021, 279, 130534.	4.2	9
5	Soil chemical properties following a one-time spent drilling mud application on native prairie. , 2020, 3, e20106.		0
6	Sulfamethoxazole sorption by cattail and switchgrass roots. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020, 55, 1021-1031.	0.7	2
7	A bioassay of long-term stockpiled salvaged soil amended with biochar, peat, and humalite. , 2020, 3, e20068.		9
8	Options for Improved Phosphorus Cycling and Use in Agriculture at the Field and Regional Scales. <i>Journal of Environmental Quality</i> , 2019, 48, 1247-1264.	1.0	80
9	Temperature Dependency of Phosphorus Sorption by Goethites and Tropical Soils Amended with Woodchip Biochar. , 2019, 2, 1-6.		5
10	Effects of Seed-Placed Hog Manure-Recovered Struvite on Canola Seedling Emergence. <i>Agronomy Journal</i> , 2019, 111, 390-396.	0.9	7
11	Nitrogen and Phosphorus Phytoextraction by Cattail (<i>Typha</i> spp.) during Wetland-based Phytoremediation of an End-of-Life Municipal Lagoon. <i>Journal of Environmental Quality</i> , 2019, 48, 24-31.	1.0	10
12	Phytoextraction of nitrogen and phosphorus by crops grown in a heavily manured Dark Brown Chernozem under contrasting soil moisture conditions. <i>International Journal of Phytoremediation</i> , 2018, 20, 27-34.	1.7	1
13	Wetland-based phytoremediation of biosolids from an end-of-life municipal lagoon: A microcosm study. <i>International Journal of Phytoremediation</i> , 2018, 20, 161-167.	1.7	4
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.	0.9	13
15	Nitrogen Mineralization in Chernozemic Soils Amended with Manure from Cattle Fed Dried Distillers Grains with Solubles. <i>Soil Science Society of America Journal</i> , 2018, 82, 167-175.	1.2	4
16	Modeling Barley Yield in a Dark Brown Chernozem after Discontinuation of Long-term Manure Application. <i>Soil Science Society of America Journal</i> , 2018, 82, 392-402.	1.2	1
17	A Field Bioassay of Nitrogen and Phosphorus Phytoextraction from Biosolids in a Seasonally Frozen End-of-Life Municipal Lagoon Vegetated with Cattail. <i>Journal of Environmental Quality</i> , 2018, 47, 1445-1452.	1.0	0
18	Nutrient Supply Rates and Phytoextraction during Wetland Phytoremediation of an End-of-Life Municipal Lagoon. <i>Soil Science Society of America Journal</i> , 2018, 82, 1004-1012.	1.2	4

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19	Flooding Depth and Timing Effects on Phosphorus Release from Flooded Biosolids in an End-of-Life Municipal Lagoon. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	6
20	Phytoremediation of biosolids from an end-of-life municipal lagoon using cattail (<i>Typha</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td Phytoremediation, 2017, 19, 270-280.	1.7	8
21	Organic Carbon Convergence in Diverse Soils toward Steady State: A 21â€Year Field Bioassay. <i>Soil Science Society of America Journal</i> , 2016, 80, 1653-1662.	1.2	8
22	Dissipation of Antimicrobials in Feedlot Manure Compost after Oral Administration versus Fortification after Excretion. <i>Journal of Environmental Quality</i> , 2016, 45, 503-510.	1.0	16
23	Dissipation of Antimicrobials in a Seasonally Frozen Soil after Beef Cattle Manure Application. <i>Journal of Environmental Quality</i> , 2016, 45, 1644-1651.	1.0	7
24	Woodchip biochar with or without synthetic fertilizers affects soil properties and available phosphorus in two alkaline, chernozemic soils. <i>Canadian Journal of Soil Science</i> , 2016, 96, 472-484.	0.5	59
25	Hogâ€™Manureâ€™Recovered Struvite: Effects on Canola and Wheat Biomass Yield and Phosphorus Use Efficiencies. <i>Soil Science Society of America Journal</i> , 2016, 80, 135-146.	1.2	21
26	Accumulation and partitioning of biomass, nutrients, and trace elements in switchgrass for phytoremediation of municipal biosolids. <i>International Journal of Phytoremediation</i> , 2016, 18, 892-899.	1.7	4
27	Climate and agricultural land use change impacts on streamflow in the upper midwestern United States. <i>Water Resources Research</i> , 2015, 51, 5301-5317.	1.7	84
28	Biomass, Nutrient, and Trace Element Accumulation and Partitioning in Cattail (<i>Typha latifolia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td 44, 1541-1549.	1.0	22
29	Moisture Effects on Nitrogen Availability in Municipal Biosolids from End-of-Life Municipal Lagoons. <i>Journal of Environmental Quality</i> , 2015, 44, 1883-1891.	1.0	4
30	Runoff Losses of Excreted Chlortetracycline, Sulfamethazine, and Tylosin from Surface-Applied and Soil-Incorporated Beef Cattle Feedlot Manure. <i>Journal of Environmental Quality</i> , 2014, 43, 549-557.	1.0	22
31	A Bioassay of Nitrogen Availability in Soils Amended with Solid Digestate from Anaerobically Digested Beef Cattle Feedlot Manure. <i>Soil Science Society of America Journal</i> , 2014, 78, 1291-1300.	1.2	14
32	Changes in Nitrogen Availability in Chernozemic Soils Amended with Anaerobically Digested Cattle Manure. <i>Soil Science Society of America Journal</i> , 2014, 78, 843-851.	1.2	4
33	Evaluation of manure-derived struvite as a phosphorus source for canola. <i>Canadian Journal of Plant Science</i> , 2013, 93, 419-424.	0.3	58
34	Vegetation Response to a One-Time Spent Drilling Mud Application to Semiarid, Mixed-Grass Prairie. <i>Rangeland Ecology and Management</i> , 2011, 64, 375-383.	1.1	15
35	Hydraulic Properties of a Sandy Loam Soil following Spent Drilling Mud Application on Native Prairie. <i>Soil Science Society of America Journal</i> , 2009, 73, 1108-1112.	1.2	11
36	Assessment of Water Quality Trends in the Minnesota River using Nonâ€™Parametric and Parametric Methods. <i>Journal of Environmental Quality</i> , 2009, 38, 1018-1030.	1.0	26

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37	Organic amendment effects on crop productivity and nutrient uptake on reclaimed natural gas wellsites. <i>Nutrient Cycling in Agroecosystems</i> , 2008, 80, 223-232.	1.1	8
38	A Long-Term Field Bioassay of Soil Quality Indicators in a Semiarid Environment. <i>Soil Science Society of America Journal</i> , 2008, 72, 683-692.	1.2	34
39	Physical and Chemical Changes during Composting of Wood Chip-Bedded and Straw-Bedded Beef Cattle Feedlot Manure. <i>Journal of Environmental Quality</i> , 2008, 37, 725-735.	1.0	70
40	Surface Albedo and Soil Heat Flux Changes Following Drilling Mud Application to a Semiarid, Mixed-Grass Prairie. <i>Soil Science Society of America Journal</i> , 2008, 72, 1217-1225.	1.2	11
41	Reclamation of Abandoned Natural Gas Wellsites with Organic Amendments: Effects on Soil Carbon, Nitrogen, and Phosphorus. <i>Soil Science Society of America Journal</i> , 2007, 71, 1186-1193.	1.2	13
42	Phosphorus Sequestration by Chemical Amendments to Reduce Leaching from Wastewater Applications. <i>Journal of Environmental Quality</i> , 2006, 35, 207-215.	1.0	21
43	Nitrogen and Phosphorus Leaching from Growing Season versus Year-Round Application of Wastewater on Seasonally Frozen Lands. <i>Journal of Environmental Quality</i> , 2006, 35, 324-333.	1.0	10
44	Topsoil replacement depth and organic amendment effects on plant nutrient uptake from reclaimed natural gas wellsites. <i>Canadian Journal of Soil Science</i> , 2006, 86, 859-869.	0.5	8
45	Predicting Phosphorus Availability from Soil-Applied Composted and Non-Composted Cattle Feedlot Manure. <i>Journal of Environmental Quality</i> , 2006, 35, 928-937.	1.0	59
46	Phosphorus Leaching in Sandy Outwash Soils following Potato-Processing Wastewater Application. <i>Journal of Environmental Quality</i> , 2005, 34, 1277-1285.	1.0	16
47	Chemical and Physical Changes Following Co-Composting of Beef Cattle Feedlot Manure with Phosphogypsum. <i>Journal of Environmental Quality</i> , 2005, 34, 2318-2327.	1.0	21
48	Tillage and Manure Application Effects on Mineral Nitrogen Leaching from Seasonally Frozen Soils. <i>Journal of Environmental Quality</i> , 2004, 33, 1238-1246.	1.0	50
49	Response of russet norkotah clonal selections to nitrogen fertilization. <i>American Journal of Potato Research</i> , 2002, 79, 231-239.	0.5	51
50	Evaluation of Polyolefin-coated Urea for Potato Production on a Sandy Soil. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2001, 36, 1057-1060.	0.5	35