

Rodrick D Lentz

List of Publications by Year in descending order

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38
papers

2,459
citations

430442

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377514

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docs citations

38
times ranked

2839
citing authors

#	ARTICLE	IF	CITATIONS
1	Does Turbulent-flow Conditioning of Irrigation Water Influence Soil Chemical Processes: II. Long-term Soil and Crop Study. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 636-650.	0.6	0
2	Does Turbulent-Flow Conditioning of Irrigation Water Influence Soil Chemical Processes: I. Laboratory Results. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 651-663.	0.6	0
3	Cross-linked polymers increase nutrient sorption in degraded soils. <i>Agronomy Journal</i> , 2021, 113, 1121-1135.	0.9	1
4	Long-term water retention increases in degraded soils amended with cross-linked polyacrylamide. <i>Agronomy Journal</i> , 2020, 112, 2569-2580.	0.9	6
5	Biochar, Manure, and Sawdust Alter Long-term Water Retention Dynamics in Degraded Soil. <i>Soil Science Society of America Journal</i> , 2019, 83, 1491-1501.	1.2	12
6	Temporal changes in $\delta^{18}O$ and $\delta^{15}N$ of nitrate nitrogen and H ₂ O in shallow groundwater: Transit time and nitrate-source implications for an irrigated tract in southern Idaho. <i>Agricultural Water Management</i> , 2019, 212, 126-135.	2.4	11
7	Changes in groundwater quality and agriculture in forty years on the Twin Falls irrigation tract in southern Idaho. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 107-119.	0.8	8
8	Mineral Fertilizer and Manure Effects on Leached Inorganic Nitrogen, Nitrate Isotopic Composition, Phosphorus, and Dissolved Organic Carbon under Furrow Irrigation. <i>Journal of Environmental Quality</i> , 2018, 47, 287-296.	1.0	13
9	Multi-year and multi-location soil quality and crop biomass yield responses to hardwood fast pyrolysis biochar. <i>Geoderma</i> , 2017, 289, 46-53.	2.3	54
10	Hardwood biochar and manure co-application to a calcareous soil. <i>Chemosphere</i> , 2016, 142, 84-91.	4.2	44
11	Contrasting effects of biochar versus manure on soil microbial communities and enzyme activities in an Aridisol. <i>Chemosphere</i> , 2016, 142, 145-152.	4.2	181
12	Designer, acidic biochar influences calcareous soil characteristics. <i>Chemosphere</i> , 2016, 142, 184-191.	4.2	79
13	Polyacrylamide and biopolymer effects on flocculation, aggregate stability, and water seepage in a silt loam. <i>Geoderma</i> , 2015, 241-242, 289-294.	2.3	59
14	Irrigation-Induced. , 2014, , .		6
15	Biochar and Manure Effects on Net Nitrogen Mineralization and Greenhouse Gas Emissions from Calcareous Soil under Corn. <i>Soil Science Society of America Journal</i> , 2014, 78, 1641-1655.	1.2	82
16	Biochar and Manure Affect Calcareous Soil and Corn Silage Nutrient Concentrations and Uptake. <i>Journal of Environmental Quality</i> , 2014, 43, 775-775.	1.0	4
17	Manure and Fertilizer Effects on Carbon Balance and Organic and Inorganic Carbon Losses for an Irrigated Corn Field. <i>Soil Science Society of America Journal</i> , 2014, 78, 987-1002.	1.2	17
18	Addition of activated switchgrass biochar to an aridic subsoil increases microbial nitrogen cycling gene abundances. <i>Applied Soil Ecology</i> , 2013, 65, 65-72.	2.1	170

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19	Delayed Sample Filtration and Storage Effects on Dissolved Nutrients Measured in Agricultural Runoff. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 2952-2960.	0.6	2
20	Net Nitrogen Mineralization from Past Years' Manure and Fertilizer Applications. <i>Soil Science Society of America Journal</i> , 2012, 76, 1005-1015.	1.2	17
21	Nitrogen Availability and Uptake by Sugarbeet in Years Following a Manure Application. <i>International Journal of Agronomy</i> , 2012, 2012, 1-12.	0.5	7
22	Biochar and Manure Affect Calcareous Soil and Corn Silage Nutrient Concentrations and Uptake. <i>Journal of Environmental Quality</i> , 2012, 41, 1033-1043.	1.0	170
23	Biochar: A Synthesis of Its Agronomic Impact beyond Carbon Sequestration. <i>Journal of Environmental Quality</i> , 2012, 41, 973-989.	1.0	738
24	Dairy Manure Nitrogen Availability in Eroded and Noneroded Soil for Sugarbeet Followed by Small Grains. <i>Agronomy Journal</i> , 2011, 103, 628-643.	0.9	20
25	Managing Runoff Water Quality from Recently Manured, Furrow-Irrigated Fields. <i>Soil Science Society of America Journal</i> , 2010, 74, 1310-1319.	1.2	8
26	Nutrients in Runoff from a Furrow-Irrigated Field after Incorporating Inorganic Fertilizer or Manure. <i>Journal of Environmental Quality</i> , 2010, 39, 1402-1415.	1.0	13
27	Long-Term Polyacrylamide Formulation Effects on Soil Erosion, Water Infiltration, and Yields of Furrow-Irrigated Crops. <i>Agronomy Journal</i> , 2009, 101, 305-314.	0.9	44
28	Toxicity of Anionic Polyacrylamide Formulations when Used for Erosion Control in Agriculture. <i>Journal of Environmental Quality</i> , 2009, 38, 238-247.	1.0	59
29	Acrylamide Monomer Leaching from Polyacrylamide-Treated Irrigation Furrows. <i>Journal of Environmental Quality</i> , 2008, 37, 2293-2298.	1.0	24
30	SEDIMENT AND POLYACRYLAMIDE EFFECTS ON SEEPAGE FROM CHANNELED FLOWS. <i>Soil Science</i> , 2007, 172, 770-789.	0.9	9
31	Polyacrylamide in Agriculture and Environmental Land Management. <i>Advances in Agronomy</i> , 2007, , 75-162.	2.4	308
32	Inhibiting Water Infiltration into Soils with Cross-linked Polyacrylamide: Seepage Reduction for Irrigated Agriculture. <i>Soil Science Society of America Journal</i> , 2007, 71, 1352-1362.	1.2	20
33	Automated System for Collecting Multiple, Sequential Samples from Soil Water Percolation Samplers under Continuous Vacuum. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 1195-1203.	0.6	6
34	Fate and Efficacy of Polyacrylamide Applied in Furrow Irrigation. <i>Journal of Environmental Quality</i> , 2002, 31, 661.	1.0	9
35	Fate and efficacy of polyacrylamide applied in furrow irrigation: full-advance and continuous treatments. <i>Journal of Environmental Quality</i> , 2002, 31, 661-70.	1.0	8
36	POLYACRYLAMIDE FOR SURFACE IRRIGATION TO INCREASE NUTRIENT-USE EFFICIENCY AND PROTECT WATER QUALITY. <i>Communications in Soil Science and Plant Analysis</i> , 2001, 32, 1203-1220.	0.6	27

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37	Polyacrylamide as an organic nitrogen source for soil microorganisms with potential effects on inorganic soil nitrogen in agricultural soil. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1045-1052.	4.2	132
38	Polyacrylamide as a substrate for microbial amidase in culture and soil. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1647-1654.	4.2	91