

# Lowell E Gentry

## List of Publications by Citations

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31  
papers

1,997  
citations

22  
h-index

31  
g-index

31  
ext. papers

2,198  
ext. citations

3.9  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
31	Timing of riverine export of nitrate and phosphorus from agricultural watersheds in Illinois: implications for reducing nutrient loading to the Mississippi River. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 4126-31	10.3	298
30	Nitrogen Balance in and Export from an Agricultural Watershed. <i>Journal of Environmental Quality</i> , <b>1997</b> , 26, 1038-1048	3.4	272
29	Effectiveness of Constructed Wetlands in Reducing Nitrogen and Phosphorus Export from Agricultural Tile Drainage. <i>Journal of Environmental Quality</i> , <b>2000</b> , 29, 1262-1274	3.4	224
28	Anthropogenic Inputs of Nitrogen and Phosphorus and Riverine Export for Illinois, USA. <i>Journal of Environmental Quality</i> , <b>2000</b> , 29, 494-508	3.4	198
27	In Situ Measurements of Denitrification in Constructed Wetlands. <i>Journal of Environmental Quality</i> , <b>1999</b> , 28, 263-269	3.4	112
26	Short- and Long-Term Labile Soil Carbon and Nitrogen Dynamics Reflect Management and Predict Corn Agronomic Performance. <i>Agronomy Journal</i> , <b>2013</b> , 105, 493-502	2.2	108
25	Nitrogen cycling and tile drainage nitrate loss in a corn/soybean watershed. <i>Agriculture, Ecosystems and Environment</i> , <b>1998</b> , 68, 85-97	5.7	83
24	Nitrogen mass balance of a tile-drained agricultural watershed in East-Central Illinois. <i>Journal of Environmental Quality</i> , <b>2009</b> , 38, 1841-7	3.4	75
23	Nitrogen Fertilizer and Herbicide Transport from Tile Drained Fields. <i>Journal of Environmental Quality</i> , <b>2000</b> , 29, 232-240	3.4	57
22	Management intensity [not biodiversity] the driver of ecosystem services in a long-term row crop experiment. <i>Agriculture, Ecosystems and Environment</i> , <b>2010</b> , 138, 242-248	5.7	51
21	Use of N immobilization to tighten the N cycle in conventional agroecosystems <b>2010</b> , 20, 648-62		49
20	Temperature and Substrate Control Woodchip Bioreactor Performance in Reducing Tile Nitrate Loads in East-Central Illinois. <i>Journal of Environmental Quality</i> , <b>2016</b> , 45, 822-9	3.4	46
19	Nitrogen removal and greenhouse gas emissions from constructed wetlands receiving tile drainage water. <i>Journal of Environmental Quality</i> , <b>2015</b> , 44, 1001-10	3.4	40
18	Relationships among nutrients, chlorophyll-a, and dissolved oxygen in agricultural streams in Illinois. <i>Journal of Environmental Quality</i> , <b>2006</b> , 35, 1110-7	3.4	40
17	Assessment of chlorophyll-a as a criterion for establishing nutrient standards in the streams and rivers of Illinois. <i>Journal of Environmental Quality</i> , <b>2008</b> , 37, 437-47	3.4	36
16	Plant Nutrient Uptake and Biomass Accumulation in a Constructed Wetland. <i>Journal of Freshwater Ecology</i> , <b>2001</b> , 16, 527-540	1.4	35
15	Kinetics and Modeling of Dissolved Phosphorus Export from a Tile-Drained Agricultural Watershed. <i>Journal of Environmental Quality</i> , <b>1998</b> , 27, 917-922	3.4	35

14	The role of seepage in constructed wetlands receiving agricultural tile drainage. <i>Ecological Engineering</i> , <b>2000</b> , 15, 91-104	3.9	34
13	Navigating the socio-bio-geo-chemistry and engineering of nitrogen management in two illinois tile-drained watersheds. <i>Journal of Environmental Quality</i> , <b>2015</b> , 44, 368-81	3.4	28
12	Apparent Red Clover Nitrogen Credit to Corn: Evaluating Cover Crop Introduction. <i>Agronomy Journal</i> , <b>2013</b> , 105, 1658-1664	2.2	27
11	Stream transport of herbicides and metabolites in a tile-drained, agricultural watershed. <i>Journal of Environmental Quality</i> , <b>2003</b> , 32, 1790-801	3.4	27
10	Variation in riverine nitrate flux and fall nitrogen fertilizer application in East-central illinois. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 1467-74	3.4	22
9	Maize Productivity as Influenced by Form and Availability of Nitrogen. <i>Crop Science</i> , <b>1993</b> , 33, 491-497	2.4	20
8	Estimated historical and current nitrogen balances for Illinois. <i>Scientific World Journal, The</i> , <b>2001</b> , 1 Suppl 2, 597-604	2.2	19
7	Riverine Response of Sulfate to Declining Atmospheric Sulfur Deposition in Agricultural Watersheds. <i>Journal of Environmental Quality</i> , <b>2016</b> , 45, 1313-9	3.4	17
6	Fate of water and nitrate using drainage water management on tile systems in east-central Illinois. <i>Agricultural Water Management</i> , <b>2017</b> , 191, 218-228	5.9	13
5	Chloride Sources and Losses in Two Tile-Drained Agricultural Watersheds. <i>Journal of Environmental Quality</i> , <b>2016</b> , 45, 341-8	3.4	13
4	Compost Legacy Down-Regulates Biological Nitrogen Fixation in a Long-Term Field Experiment. <i>Agronomy Journal</i> , <b>2017</b> , 109, 2662-2669	2.2	8
3	Biophysical and social barriers restrict water quality improvements in the Mississippi River Basin. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11928-9	10.3	8
2	Closed depressions and soil phosphorus influence subsurface phosphorus losses in a tile-drained field in Illinois. <i>Journal of Environmental Quality</i> , <b>2020</b> , 49, 1273-1285	3.4	2
1	Assessing the impacts of pre-growing-season weather conditions on soil nitrogen dynamics and corn productivity in the U.S. Midwest. <i>Field Crops Research</i> , <b>2022</b> , 284, 108563	5.5	0