Lowell E Gentry

List of Publications by Year in Descending Order

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	Assessing the impacts of pre-growing-season weather conditions on soil nitrogen dynamics and corn productivity in the U.S. Midwest. *Field Crops Research*, **2022**, 284, 108563	5.5	0
30	Closed depressions and soil phosphorus influence subsurface phosphorus losses in a tile-drained field in Illinois. *Journal of Environmental Quality*, **2020**, 49, 1273-1285	3.4	2
29	Compost Legacy Down-Regulates Biological Nitrogen Fixation in a Long-Term Field Experiment. *Agronomy Journal*, **2017**, 109, 2662-2669	2.2	8
28	Fate of water and nitrate using drainage water management on tile systems in east-central Illinois. *Agricultural Water Management*, **2017**, 191, 218-228	5.9	13
27	Riverine Response of Sulfate to Declining Atmospheric Sulfur Deposition in Agricultural Watersheds. *Journal of Environmental Quality*, **2016**, 45, 1313-9	3.4	17
26	Chloride Sources and Losses in Two Tile-Drained Agricultural Watersheds. *Journal of Environmental Quality*, **2016**, 45, 341-8	3.4	13
25	Temperature and Substrate Control Woodchip Bioreactor Performance in Reducing Tile Nitrate Loads in East-Central Illinois. *Journal of Environmental Quality*, **2016**, 45, 822-9	3.4	46
24	Navigating the socio-bio-geo-chemistry and engineering of nitrogen management in two illinois tile-drained watersheds. *Journal of Environmental Quality*, **2015**, 44, 368-81	3.4	28
23	Nitrogen removal and greenhouse gas emissions from constructed wetlands receiving tile drainage water. *Journal of Environmental Quality*, **2015**, 44, 1001-10	3.4	40
22	Variation in riverine nitrate flux and fall nitrogen fertilizer application in East-central illinois. *Journal of Environmental Quality*, **2014**, 43, 1467-74	3.4	22
21	Biophysical and social barriers restrict water quality improvements in the Mississippi River Basin. *Environmental Science & Technology*, **2013**, 47, 11928-9	10.3	8
20	Short- and Long-Term Labile Soil Carbon and Nitrogen Dynamics Reflect Management and Predict Corn Agronomic Performance. *Agronomy Journal*, **2013**, 105, 493-502	2.2	108
19	Apparent Red Clover Nitrogen Credit to Corn: Evaluating Cover Crop Introduction. *Agronomy Journal*, **2013**, 105, 1658-1664	2.2	27
18	Use of N immobilization to tighten the N cycle in conventional agroecosystems **2010**, 20, 648-62		49
17	Management intensity □hot biodiversity □the driver of ecosystem services in a long-term row crop experiment. *Agriculture, Ecosystems and Environment*, **2010**, 138, 242-248	5.7	51
16	Nitrogen mass balance of a tile-drained agricultural watershed in East-Central Illinois. *Journal of Environmental Quality*, **2009**, 38, 1841-7	3.4	75
15	Assessment of chlorophyll-a as a criterion for establishing nutrient standards in the streams and rivers of Illinois. *Journal of Environmental Quality*, **2008**, 37, 437-47	3.4	36

14	Timing of riverine export of nitrate and phosphorus from agricultural watersheds in Illinois: implications for reducing nutrient loading to the Mississippi River. *Environmental Science & Technology*, **2006**, 40, 4126-31	10.3	298
13	Relationships among nutrients, chlorophyll-a, and dissolved oxygen in agricultural streams in Illinois. *Journal of Environmental Quality*, **2006**, 35, 1110-7	3.4	40
12	Stream transport of herbicides and metabolites in a tile-drained, agricultural watershed. *Journal of Environmental Quality*, **2003**, 32, 1790-801	3.4	27
11	Plant Nutrient Uptake and Biomass Accumulation in a Constructed Wetland. *Journal of Freshwater Ecology*, **2001**, 16, 527-540	1.4	35
10	Estimated historical and current nitrogen balances for Illinois. *Scientific World Journal, The*, **2001**, 1 Suppl 2, 597-604	2.2	19
9	Effectiveness of Constructed Wetlands in Reducing Nitrogen and Phosphorus Export from Agricultural Tile Drainage. *Journal of Environmental Quality*, **2000**, 29, 1262-1274	3.4	224
8	The role of seepage in constructed wetlands receiving agricultural tile drainage. *Ecological Engineering*, **2000**, 15, 91-104	3.9	34
7	Anthropogenic Inputs of Nitrogen and Phosphorus and Riverine Export for Illinois, USA. *Journal of Environmental Quality*, **2000**, 29, 494-508	3.4	198
6	Nitrogen Fertilizer and Herbicide Transport from Tile Drained Fields. *Journal of Environmental Quality*, **2000**, 29, 232-240	3.4	57
5	In Situ Measurements of Denitrification in Constructed Wetlands. *Journal of Environmental Quality*, **1999**, 28, 263-269	3.4	112
4	Nitrogen cycling and tile drainage nitrate loss in a corn/soybean watershed. *Agriculture, Ecosystems and Environment*, **1998**, 68, 85-97	5.7	83
3	Kinetics and Modeling of Dissolved Phosphorus Export from a Tile-Drained Agricultural Watershed. *Journal of Environmental Quality*, **1998**, 27, 917-922	3.4	35
2	Nitrogen Balance in and Export from an Agricultural Watershed. *Journal of Environmental Quality*, **1997**, 26, 1038-1048	3.4	272
1	Maize Productivity as Influenced by Form and Availability of Nitrogen. *Crop Science*, **1993**, 33, 491-497	2.4	20