Gregory F Mcisaac

List of Publications by Year
in descending order

20 papers	1,562 citations	623188 14 h-index	752256 20 g-index
20 all docs	20 docs citations	20 times ranked	1911 citing authors

#	Article	IF	Citations
1	Metal leaching and toxicity of denitrifying woodchip bioreactor outflowâ€"Potential reuse application. Aquacultural Engineering, 2021, 93, 102129.	1.4	9
2	Developing an integrated technology-environment-economics model to simulate food-energy-water systems in Corn Belt watersheds. Environmental Modelling and Software, 2021, 143, 105083.	1.9	16
3	Denitrifying bioreactor inflow manifold design for treatment of aquacultural wastewater. Aquacultural Engineering, 2020, 88, 102036.	1.4	12
4	Comment on â€œLegacy nitrogen may prevent achievement of water quality goals in the Gulf of Mexicoâ€. Science, 2019, 365, .	6.0	12
5	Illinois River Nitrateâ€Nitrogen Concentrations and Loads: Longâ€term Variation and Association with Watershed Nitrogen Inputs. Journal of Environmental Quality, 2016, 45, 1268-1275.	1.0	31
6	Managing Multiple Mandates: A System of Systems Model to Analyze Strategies for Producing Cellulosic Ethanol and Reducing Riverine Nitrate Loads in the Upper Mississippi River Basin. Environmental Science & Technology, 2015, 49, 11932-11940.	4.6	24
7	Variation in Riverine Nitrate Flux and Fall Nitrogen Fertilizer Application in East-Central Illinois. Journal of Environmental Quality, 2014, 43, 1467-1474.	1.0	27
8	Biomass Production and Water: A Brief Review of Recent Research. Current Sustainable/Renewable Energy Reports, 2014, 1, 157-161.	1.2	2
9	Biophysical and Social Barriers Restrict Water Quality Improvements in the Mississippi River Basin. Environmental Science & Technology, 2013, 47, 11928-11929.	4.6	8
10	Miscanthus and Switchgrass Production in Central Illinois: Impacts on Hydrology and Inorganic Nitrogen Leaching. Journal of Environmental Quality, 2010, 39, 1790-1799.	1.0	160
11	Sources of Nitrate Yields in the Mississippi River Basin. Journal of Environmental Quality, 2010, 39, 1657-1667.	1.0	361
12	Miscanthus. Advances in Botanical Research, 2010, 56, 75-137.	0.5	169
13	Longâ€Term Changes in Mollisol Organic Carbon and Nitrogen. Journal of Environmental Quality, 2009, 38, 200-211.	1.0	81
14	Nitrogen Mass Balance of a Tileâ€drained Agricultural Watershed in Eastâ€Central Illinois. Journal of Environmental Quality, 2009, 38, 1841-1847.	1.0	88
15	Modeling denitrification in a tile-drained, corn and soybean agroecosystem of Illinois, USA. Biogeochemistry, 2009, 93, 7-30.	1.7	95
16	Evaluation of the ADAPT Model for Simulating Nitrogen Dynamics in a Tile-Drained Agricultural Watershed in Central Illinois. Journal of Environmental Quality, 2006, 35, 1914-1923.	1.0	14
17	A simplified hillslope erosion model with vegetation elements for practical applications. Journal of Hydrology, 2002, 258, 111-121.	2.3	47
18	Relating Net Nitrogen Input in the Mississippi River Basin to Nitrate Flux in the Lower Mississippi River. Journal of Environmental Quality, 2002, 31, 1610-1622.	1.0	100

#	Article	IF	Citations
19	Nitrate flux in the Mississippi River. Nature, 2001, 414, 166-167.	13.7	282
20	Nitrogen and Phosphorus in Eroded Sediment from Corn and Soybean Tillage Systems. Journal of Environmental Quality, 1991, 20, 663-670.	1.0	24