

Gregory F Mcisaac

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,562
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1911
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources of Nitrate Yields in the Mississippi River Basin. Journal of Environmental Quality, 2010, 39, 1657-1667.	2.0	361
2	Nitrate flux in the Mississippi River. Nature, 2001, 414, 166-167.	27.8	282
3	Miscanthus. Advances in Botanical Research, 2010, 56, 75-137.	1.1	169
4	<i>Miscanthus</i> and Switchgrass Production in Central Illinois: Impacts on Hydrology and Inorganic Nitrogen Leaching. Journal of Environmental Quality, 2010, 39, 1790-1799.	2.0	160
5	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.	2.0	100
6	Modeling denitrification in a tile-drained, corn and soybean agroecosystem of Illinois, USA. Biogeochemistry, 2009, 93, 7-30.	3.5	95
7	Nitrogen Mass Balance of a Tileâ€drained Agricultural Watershed in Eastâ€Central Illinois. Journal of Environmental Quality, 2009, 38, 1841-1847.	2.0	88
8	Longâ€Term Changes in Mollisol Organic Carbon and Nitrogen. Journal of Environmental Quality, 2009, 38, 200-211.	2.0	81
9	A simplified hillslope erosion model with vegetation elements for practical applications. Journal of Hydrology, 2002, 258, 111-121.	5.4	47
10	Illinois River Nitrateâ€Nitrogen Concentrations and Loads: Longâ€Term Variation and Association with Watershed Nitrogen Inputs. Journal of Environmental Quality, 2016, 45, 1268-1275.	2.0	31
11	Variation in Riverine Nitrate Flux and Fall Nitrogen Fertilizer Application in East-Central Illinois. Journal of Environmental Quality, 2014, 43, 1467-1474.	2.0	27
12	Nitrogen and Phosphorus in Eroded Sediment from Corn and Soybean Tillage Systems. Journal of Environmental Quality, 1991, 20, 663-670.	2.0	24
13	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.	10.0	24
14	Developing an integrated technology-environment-economics model to simulate food-energy-water systems in Corn Belt watersheds. Environmental Modelling and Software, 2021, 143, 105083.	4.5	16
15	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.	2.0	14
16	Comment on â€œLegacy nitrogen may prevent achievement of water quality goals in the Gulf of Mexicoâ€ Science, 2019, 365, .	12.6	12
17	Denitrifying bioreactor inflow manifold design for treatment of aquacultural wastewater. Aquacultural Engineering, 2020, 88, 102036.	3.1	12
18	Metal leaching and toxicity of denitrifying woodchip bioreactor outflowâ€Potential reuse application. Aquacultural Engineering, 2021, 93, 102129.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Biophysical and Social Barriers Restrict Water Quality Improvements in the Mississippi River Basin. Environmental Science & Technology, 2013, 47, 11928-11929.	10.0	8
20	Biomass Production and Water: A Brief Review of Recent Research. Current Sustainable/Renewable Energy Reports, 2014, 1, 157-161.	2.6	2