

# Gregory F Mcisaac

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1322482/publications.pdf>

Version: 2024-02-01

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	Sources of Nitrate Yields in the Mississippi River Basin. <i>Journal of Environmental Quality</i> , 2010, 39, 1657-1667.	1.0	361
2	Nitrate flux in the Mississippi River. <i>Nature</i> , 2001, 414, 166-167.	13.7	282
3	<i>Miscanthus</i> . <i>Advances in Botanical Research</i> , 2010, 56, 75-137.	0.5	169
4	<i>Miscanthus</i> and Switchgrass Production in Central Illinois: Impacts on Hydrology and Inorganic Nitrogen Leaching. <i>Journal of Environmental Quality</i> , 2010, 39, 1790-1799.	1.0	160
5	Relating Net Nitrogen Input in the Mississippi River Basin to Nitrate Flux in the Lower Mississippi River. <i>Journal of Environmental Quality</i> , 2002, 31, 1610-1622.	1.0	100
6	Modeling denitrification in a tile-drained, corn and soybean agroecosystem of Illinois, USA. <i>Biogeochemistry</i> , 2009, 93, 7-30.	1.7	95
7	Nitrogen Mass Balance of a Tile-drained Agricultural Watershed in East-Central Illinois. <i>Journal of Environmental Quality</i> , 2009, 38, 1841-1847.	1.0	88
8	Long-Term Changes in Mollisol Organic Carbon and Nitrogen. <i>Journal of Environmental Quality</i> , 2009, 38, 200-211.	1.0	81
9	A simplified hillslope erosion model with vegetation elements for practical applications. <i>Journal of Hydrology</i> , 2002, 258, 111-121.	2.3	47
10	Illinois River Nitrate-Nitrogen Concentrations and Loads: Long-Term Variation and Association with Watershed Nitrogen Inputs. <i>Journal of Environmental Quality</i> , 2016, 45, 1268-1275.	1.0	31
11	Variation in Riverine Nitrate Flux and Fall Nitrogen Fertilizer Application in East-Central Illinois. <i>Journal of Environmental Quality</i> , 2014, 43, 1467-1474.	1.0	27
12	Nitrogen and Phosphorus in Eroded Sediment from Corn and Soybean Tillage Systems. <i>Journal of Environmental Quality</i> , 1991, 20, 663-670.	1.0	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. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11932-11940.	4.6	24
14	Developing an integrated technology-environment-economics model to simulate food-energy-water systems in Corn Belt watersheds. <i>Environmental Modelling and Software</i> , 2021, 143, 105083.	1.9	16
15	Evaluation of the ADAPT Model for Simulating Nitrogen Dynamics in a Tile-Drained Agricultural Watershed in Central Illinois. <i>Journal of Environmental Quality</i> , 2006, 35, 1914-1923.	1.0	14
16	Comment on "Legacy nitrogen may prevent achievement of water quality goals in the Gulf of Mexico". <i>Science</i> , 2019, 365, .	6.0	12
17	Denitrifying bioreactor inflow manifold design for treatment of aquacultural wastewater. <i>Aquacultural Engineering</i> , 2020, 88, 102036.	1.4	12
18	Metal leaching and toxicity of denitrifying woodchip bioreactor outflow—Potential reuse application. <i>Aquacultural Engineering</i> , 2021, 93, 102129.	1.4	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.	4.6	8
20	Biomass Production and Water: A Brief Review of Recent Research. Current Sustainable/Renewable Energy Reports, 2014, 1, 157-161.	1.2	2