

# Thomas M Isenhardt

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,322  
citations

471061

17  
h-index

476904

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrate and organic N analyses with second-derivative spectroscopy. <i>Limnology and Oceanography</i> , 1992, 37, 907-913.	1.6	348
2	Multispecies Riparian Buffers Trap Sediment and Nutrients during Rainfall Simulations. <i>Journal of Environmental Quality</i> , 2000, 29, 1200-1205.	1.0	193
3	QUANTIFYING FINE-ROOT DECOMPOSITION: AN ALTERNATIVE TO BURIED LITTERBAGS. <i>Ecology</i> , 2002, 83, 2985-2990.	1.5	91
4	Streambank Soil and Phosphorus Losses Under Different Riparian Landâ€Uses in Iowa<sup>1</sup>. <i>Journal of the American Water Resources Association</i> , 2008, 44, 935-947.	1.0	82
5	Streambank erosion rates and loads within a single watershed: Bridging the gap between temporal and spatial scales. <i>Geomorphology</i> , 2014, 209, 66-78.	1.1	59
6	Vertical distribution of total carbon, nitrogen and phosphorus in riparian soils of Walnut Creek, southern Iowa. <i>Catena</i> , 2009, 77, 266-273.	2.2	53
7	RIPARIAN LAND USES AND PRECIPITATION INFLUENCES ON STREAM BANK EROSION IN CENTRAL IOWA. <i>Journal of the American Water Resources Association</i> , 2006, 42, 83-97.	1.0	52
8	Total phosphorus concentrations and compaction in riparian areas under different riparian land-uses of Iowa. <i>Agriculture, Ecosystems and Environment</i> , 2008, 127, 22-30.	2.5	46
9	Impacts of Land-Cover Change on Suspended Sediment Transport in Two Agricultural Watersheds1. <i>Journal of the American Water Resources Association</i> , 2011, 47, 672-686.	1.0	45
10	Assemblage and Populationâ€Level Responses of Stream Fish to Riparian Buffers at Multiple Spatial Scales. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 185-200.	0.6	44
11	Tile Drainage Density Reduces Groundwater Travel Times and Compromises Riparian Buffer Effectiveness. <i>Journal of Environmental Quality</i> , 2015, 44, 1754-1763.	1.0	37
12	Nitrous oxide and methane production from denitrifying woodchip bioreactors at three hydraulic residence times. <i>Journal of Environmental Management</i> , 2019, 242, 290-297.	3.8	32
13	Bird species diversity in riparian buffers, row crop fields, and grazed pastures within agriculturally dominated watersheds. <i>Agroforestry Systems</i> , 2010, 79, 97-110.	0.9	30
14	Ability of Remnant Riparian Forests, With and Without Grass Filters, to Buffer Concentrated Surface Runoff<sup>1</sup>. <i>Journal of the American Water Resources Association</i> , 2010, 46, 311-322.	1.0	30
15	Riparian Grazing Impacts on Streambank Erosion and Phosphorus Loss Via Surface Runoff<sup>1</sup>. <i>Journal of the American Water Resources Association</i> , 2013, 49, 103-113.	1.0	21
16	Nitrous Oxide Emissions from Saturated Riparian Buffers: Are We Trading a Water Quality Problem for an Air Quality Problem?. <i>Journal of Environmental Quality</i> , 2019, 48, 261.	1.0	21
17	In Situ Denitrification in Saturated Riparian Buffers. <i>Journal of Environmental Quality</i> , 2019, 48, 376-384.	1.0	20
18	Phosphorus sourceâ€sink relationships of stream sediments in the Rathbun Lake watershed in southern Iowa, USA. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 453.	1.3	18

#	ARTICLE	IF	CITATIONS
19	Transformation and Loss of Nitrate in an Agricultural Stream. <i>Journal of Freshwater Ecology</i> , 1989, 5, 123-129.	0.5	15
20	Stocking Rate and Riparian Vegetation Effects on Physical Characteristics of Riparian Zones of Midwestern Pastures. <i>Rangeland Ecology and Management</i> , 2012, 65, 119-128.	1.1	14
21	Long-term nitrate removal in three riparian buffers: 21 years of data from the Bear Creek watershed in central Iowa, USA. <i>Science of the Total Environment</i> , 2020, 740, 140114.	3.9	13
22	Distribution and mass of groundwater orthophosphorus in an agricultural watershed. <i>Science of the Total Environment</i> , 2018, 625, 1330-1340.	3.9	12
23	WATERSHED SCALE INVENTORY OF EXISTING RIPARIAN BUFFERS IN NORTHEAST MISSOURI USING GIS. <i>Journal of the American Water Resources Association</i> , 2006, 42, 145-155.	1.0	11
24	Changes in lateral floodplain connectivity accompanying stream channel evolution: Implications for sediment and nutrient budgets. <i>Science of the Total Environment</i> , 2019, 660, 1015-1028.	3.9	9
25	Improving the effectiveness of saturated riparian buffers for removing nitrate from subsurface drainage. <i>Journal of Environmental Quality</i> , 2020, 49, 1624-1632.	1.0	7
26	Portable Automation of Static Chamber Sample Collection for Quantifying Soil Gas Flux. <i>Journal of Environmental Quality</i> , 2018, 47, 270-275.	1.0	6
27	Riparian Land-Use, Stream Morphology and Streambank Erosion within Grazed Pastures in Southern Iowa, USA: A Catchment-Wide Perspective. <i>Sustainability</i> , 2020, 12, 6461.	1.6	6
28	Denitrification potential in three saturated riparian buffers. <i>Agriculture, Ecosystems and Environment</i> , 2019, 286, 106656.	2.5	3
29	Slope stability of streambanks at saturated riparian buffer sites. <i>Journal of Environmental Quality</i> , 2021, 50, 1430-1439.	1.0	3