

Thomas M Isenhardt

List of Publications by Year in descending order

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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	Slope stability of streambanks at saturated riparian buffer sites. <i>Journal of Environmental Quality</i> , 2021, 50, 1430-1439.	1.0	3
2	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
3	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
4	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
5	Denitrification potential in three saturated riparian buffers. <i>Agriculture, Ecosystems and Environment</i> , 2019, 286, 106656.	2.5	3
6	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
7	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
8	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
9	In Situ Denitrification in Saturated Riparian Buffers. <i>Journal of Environmental Quality</i> , 2019, 48, 376-384.	1.0	20
10	Distribution and mass of groundwater orthophosphorus in an agricultural watershed. <i>Science of the Total Environment</i> , 2018, 625, 1330-1340.	3.9	12
11	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
12	Phosphorus source-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
13	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
14	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
15	Riparian Grazing Impacts on Streambank Erosion and Phosphorus Loss Via Surface Runoff. <i>Journal of the American Water Resources Association</i> , 2013, 49, 103-113.	1.0	21
16	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
17	Impacts of Land-Cover Change on Suspended Sediment Transport in Two Agricultural Watersheds. <i>Journal of the American Water Resources Association</i> , 2011, 47, 672-686.	1.0	45
18	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

#	ARTICLE	IF	CITATIONS
19	Ability of Remnant Riparian Forests, With and Without Grass Filters, to Buffer Concentrated Surface Runoff ¹ . Journal of the American Water Resources Association, 2010, 46, 311-322.	1.0	30
20	Assemblage and Population-Level Responses of Stream Fish to Riparian Buffers at Multiple Spatial Scales. Transactions of the American Fisheries Society, 2010, 139, 185-200.	0.6	44
21	Vertical distribution of total carbon, nitrogen and phosphorus in riparian soils of Walnut Creek, southern Iowa. Catena, 2009, 77, 266-273.	2.2	53
22	Total phosphorus concentrations and compaction in riparian areas under different riparian land-uses of Iowa. Agriculture, Ecosystems and Environment, 2008, 127, 22-30.	2.5	46
23	Streambank Soil and Phosphorus Losses Under Different Riparian Land-Uses in Iowa ¹ . Journal of the American Water Resources Association, 2008, 44, 935-947.	1.0	82
24	RIPARIAN LAND USES AND PRECIPITATION INFLUENCES ON STREAM BANK EROSION IN CENTRAL IOWA. Journal of the American Water Resources Association, 2006, 42, 83-97.	1.0	52
25	WATERSHED SCALE INVENTORY OF EXISTING RIPARIAN BUFFERS IN NORTHEAST MISSOURI USING GIS. Journal of the American Water Resources Association, 2006, 42, 145-155.	1.0	11
26	QUANTIFYING FINE-ROOT DECOMPOSITION: AN ALTERNATIVE TO BURIED LITTERBAGS. Ecology, 2002, 83, 2985-2990.	1.5	91
27	Multispecies Riparian Buffers Trap Sediment and Nutrients during Rainfall Simulations. Journal of Environmental Quality, 2000, 29, 1200-1205.	1.0	193
28	Nitrate and organic N analyses with second-derivative spectroscopy. Limnology and Oceanography, 1992, 37, 907-913.	1.6	348
29	Transformation and Loss of Nitrate in an Agricultural Stream. Journal of Freshwater Ecology, 1989, 5, 123-129.	0.5	15