

# Brittany R Hanrahan

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

405  
citations

759233

12  
h-index

940533

16  
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17  
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17  
docs citations

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times ranked

504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cover crops control nitrogen and phosphorus transport from two agricultural watersheds at multiple measurement scales. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107765.	5.3	13
2	Controls on subsurface nitrate and dissolved reactive phosphorus losses from agricultural fields during precipitation-driven events. <i>Science of the Total Environment</i> , 2021, 754, 142047.	8.0	24
3	Effect of winter cover crops on soil nutrients in two row-cropped watersheds in Indiana. <i>Journal of Environmental Quality</i> , 2021, 50, 667-679.	2.0	13
4	Cover crops differentially influenced nitrogen and phosphorus loss in tile drainage and surface runoff from agricultural fields in Ohio, USA. <i>Journal of Environmental Management</i> , 2021, 293, 112910.	7.8	28
5	Extending vegetative cover with cover crops influenced phosphorus loss from an agricultural watershed. <i>Science of the Total Environment</i> , 2021, 801, 149501.	8.0	9
6	Among-site variability in environmental and management characteristics: Effect on nutrient loss in agricultural tile drainage. <i>Journal of Great Lakes Research</i> , 2020, 46, 486-499.	1.9	7
7	Stratified Soil Sampling Improves Predictions of P Concentration in Surface Runoff and Tile Discharge. <i>Soil Systems</i> , 2020, 4, 67.	2.6	15
8	Legacy phosphorus concentration–discharge relationships in surface runoff and tile drainage from Ohio crop fields. <i>Journal of Environmental Quality</i> , 2020, 49, 675-687.	2.0	28
9	Nutrient balances influence hydrologic losses of nitrogen and phosphorus across agricultural fields in northwestern Ohio. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 113, 231-245.	2.2	40
10	Restored floodplains enhance denitrification compared to naturalized floodplains in agricultural streams. <i>Biogeochemistry</i> , 2018, 141, 419-437.	3.5	40
11	Using the ruzick method to examine linkages between substrate, biofilm colonisation and stream metabolism in open canopy streams. <i>Freshwater Biology</i> , 2018, 63, 1610-1624.	2.4	3
12	Substrate-specific biofilms control nutrient uptake in experimental streams. <i>Freshwater Science</i> , 2018, 37, 456-471.	1.8	14
13	Winter cover crops reduce nitrate loss in an agricultural watershed in the central U.S.. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 513-523.	5.3	47
14	Subsurface tile drained area detection using GIS and remote sensing in an agricultural watershed. <i>Ecological Engineering</i> , 2017, 108, 370-379.	3.6	29
15	Biofilm growth in gravel bed streams controls solute residence time distributions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1840-1850.	3.0	44
16	Substrate size and heterogeneity control anomalous transport in small streams. <i>Geophysical Research Letters</i> , 2014, 41, 8335-8341.	4.0	49
17	Watershed-scale Land Use Change Increases Ecosystem Metabolism in an Agricultural Stream. <i>Ecosystems</i> , 0, , 1.	3.4	2