# Brittany R Hanrahan

List of Publications by Year
in descending order



| 17 | 405 | 759233 12 | 940533 16 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 504 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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