## Nitrate-nitrogen patterns in the Raccoon River Basin re

Journal of Soils and Water Conservation 64, 190-199 DOI: 10.2489/jswc.64.3.190

**Citation Report** 

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 2  | Linking Resilience Theory and Diffusion of Innovations Theory to Understand the Potential for<br>Perennials in the U.S. Corn Belt. Ecology and Society, 2009, 14, .  | 1.0 | 53        |
| 3  | Strategies to Reduce Nitrate Leaching into Groundwater in Potato Grown in Sandy Soils: Case Study<br>from North Central USA. American Journal of Potato Research, 2010, 87, 229-244.                                     | 0.5 | 65        |
| 4  | Sources of Nitrate Yields in the Mississippi River Basin. Journal of Environmental Quality, 2010, 39, 1657-1667.   | 1.0 | 361       |
| 5  | Assessment of Total Maximum Daily Load Implementation Strategies for Nitrate Impairment of the Raccoon River, Iowa. Journal of Environmental Quality, 2010, 39, 1317-1327.   | 1.0 | 69        |
| 6  | Precipitation Changes Impact Stream Discharge, Nitrate–Nitrogen Load More Than Agricultural<br>Management Changes. Journal of Environmental Quality, 2010, 39, 2063-2071.  | 1.0 | 32        |
| 7  | Miscanthus. Advances in Botanical Research, 2010, 56, 75-137.  | 0.5 | 169       |
| 8  | Tweak, Adapt, or Transform: Policy Scenarios in Response to Emerging Bioenergy Markets in the U.S.<br>Corn Belt. Ecology and Society, 2011, 16, .  | 1.0 | 25        |
| 9  | From Agricultural Intensification to Conservation: Sediment Transport in the Raccoon River, Iowa, 1916–2009. Journal of Environmental Quality, 2011, 40, 1911-1923.  | 1.0 | 42        |
| 10 | Nitrogen loss from a mixed land use watershed as influenced by hydrology and seasons. Journal of<br>Hydrology, 2011, 405, 307-315.   | 2.3 | 36        |
| 11 | The Nashua agronomic, water quality, and economic dataset. Journal of Soils and Water<br>Conservation, 2012, 67, 502-512.  | 0.8 | 4         |
| 12 | Plant nutrient management and risks of nitrous oxide emission. Journal of Soils and Water<br>Conservation, 2012, 67, 137A-144A.  | 0.8 | 11        |
| 13 | Exploring the physical controls of regional patterns of flow duration curves – Part 2: Role of seasonality, the regime curve, and associated process controls. Hydrology and Earth System Sciences, 2012, 16, 4447-4465. | 1.9 | 73        |
| 14 | Spatial Patterns of Water and Nitrogen Response Within Corn Production Fields. , 2012, , .   |     | 3         |
| 15 | Evaluation of Variation in Nitrate Concentration Levels in the Raccoon River Watershed in Iowa.<br>Journal of Environmental Quality, 2012, 41, 1557-1565.  | 1.0 | 7         |
| 16 | An assessment of landscape characteristics affecting estuarine nitrogen loading in an urban watershed. Journal of Environmental Management, 2012, 94, 50-60.   | 3.8 | 33        |
| 17 | Hot moments and hot spots of nutrient losses from a mixed land use watershed. Journal of<br>Hydrology, 2012, 414-415, 393-404.   | 2.3 | 40        |
| 18 | Using biodiversity to link agricultural productivity with environmental quality: Results from three field experiments in Iowa. Renewable Agriculture and Food Systems, 2013, 28, 115-128.                                | 0.8 | 72        |
| 19 | Aligning Insect IPM Programs with a Cropping Systems Perspective: Cover Crops and Cultural Pest<br>Control in Wisconsin Organic Corn and Soybean. Agroecology and Sustainable Food Systems, 2013, 37,<br>550-577         | 1.0 | 3         |

| #  | Article  | IF  | Citations |
|----|--|-----|-----------|
| 20 | Convergence of agricultural intensification and climate change in the Midwestern United States: implications for soil and water conservation. Marine and Freshwater Research, 2013, 64, 423.                             | 0.7 | 33        |
| 21 | Carbon Export from the Raccoon River, Iowa: Patterns, Processes, and Opportunities. Journal of Environmental Quality, 2013, 42, 155-163.   | 1.0 | 14        |
| 22 | Comparison and Evaluation of Model Structures for the Simulation of Pollution Fluxes in a Tile-Drained River Basin. Journal of Environmental Quality, 2014, 43, 86-99.   | 1.0 | 13        |
| 23 | Changes in hydrology and streamflow as predicted by a modelling experiment forced with climate models. Hydrological Processes, 2014, 28, 2772-2781.  | 1.1 | 41        |
| 24 | Adoption potential of nitrate mitigation practices: an ecosystem services approach. International<br>Journal of Agricultural Sustainability, 2014, 12, 407-424.  | 1.3 | 19        |
| 25 | The potential for agricultural land use change to reduce flood risk in a large watershed.<br>Hydrological Processes, 2014, 28, 3314-3325.  | 1.1 | 86        |
| 26 | Regionalization of subsurface stormflow parameters of hydrologic models: Derivation from regional analysis of streamflow recession curves. Journal of Hydrology, 2014, 519, 670-682.                                     | 2.3 | 33        |
| 27 | Propagation method affects Miscanthus×giganteus developmental morphology. Industrial Crops and<br>Products, 2014, 57, 59-68.   | 2.5 | 17        |
| 28 | Decadal surface water quality trends under variable climate, land use, and hydrogeochemical setting<br>in Iowa, USA. Water Resources Research, 2014, 50, 2425-2443.  | 1.7 | 43        |
| 29 | Environmental Impact of Water Use in Agriculture. Agronomy Journal, 2015, 107, 1554-1556.  | 0.9 | 20        |
| 30 | Projected Changes in Discharge in an Agricultural Watershed in Iowa. Journal of the American Water Resources Association, 2015, 51, 1361-1371.   | 1.0 | 16        |
| 31 | Navigating the Socio-Bio-Geo-Chemistry and Engineering of Nitrogen Management in Two Illinois<br>Tile-Drained Watersheds. Journal of Environmental Quality, 2015, 44, 368-381.   | 1.0 | 31        |
| 32 | Corn Nitrogen Fertilization Requirement and Corn-Soybean Productivity with a Rye Cover Crop. Soil<br>Science Society of America Journal, 2015, 79, 1482-1495.  | 1.2 | 84        |
| 33 | Comparison of Timing and Volume of Subsurface Drainage under Perennial Forage and Row Crops in a Tile-Drained Field in Iowa. Transactions of the ASABE, 2015, , 1193-1200.   | 1.1 | 1         |
| 34 | Evaluation of Alternative Cropping and Nutrient Management Systems with Soil and Water<br>Assessment Tool for the Raccoon River Watershed Master Plan. American Journal of Environmental<br>Sciences, 2015, 11, 227-244. | 0.3 | 6         |
| 35 | Detection of Critical LUCC Indices and Sensitive Watershed Regions Related to Lake Algal Blooms: A Case Study of Taihu Lake. International Journal of Environmental Research and Public Health, 2015, 12, 1629-1648.     | 1.2 | 3         |
| 36 | Enhancing agroecosystem performance and resilience through increased diversification of landscapes and cropping systems. Elementa, 2015, 3, .  | 1.1 | 56        |
| 37 | Associating conservation/production patterns in US farm policy with agricultural land-use in three lowa, USA townships, 1933–2002. Land Use Policy, 2015, 45, 76-85.   | 2.5 | 10        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 38 | Runoff characteristics and non-point source pollution analysis in the Taihu Lake Basin: a case study of the town of Xueyan, China. Environmental Science and Pollution Research, 2015, 22, 15029-15036.                              | 2.7 | 43        |
| 39 | Maize (Zea mays L.) yield response to nitrogen as influenced by spatio-temporal variations of<br>soil–water-topography dynamics. Soil and Tillage Research, 2015, 146, 174-183.  | 2.6 | 25        |
| 40 | Soybean Area and Baseflow Driving Nitrate in Iowa's Raccoon River. Journal of Environmental Quality, 2016, 45, 1949-1959.  | 1.0 | 15        |
| 41 | Use Alkalinity Monitoring to Optimize Bioreactor Performance. Journal of Environmental Quality, 2016, 45, 855-865.   | 1.0 | 16        |
| 42 | High Nitrate Concentrations in Some Midwest United States Streams in 2013 after the 2012 Drought.<br>Journal of Environmental Quality, 2016, 45, 1696-1704.  | 1.0 | 55        |
| 43 | Identifying Watershed Regions Sensitive to Soil Erosion and Contributing to Lake Eutrophication—A<br>Case Study in the Taihu Lake Basin (China). International Journal of Environmental Research and Public<br>Health, 2016, 13, 77. | 1.2 | 9         |
| 44 | Subfield profitability analysis reveals an economic case for cropland diversification. Environmental Research Letters, 2016, 11, 014009.   | 2.2 | 77        |
| 45 | Phosphorus source—sink relationships of stream sediments in the Rathbun Lake watershed in southern Iowa, USA. Environmental Monitoring and Assessment, 2016, 188, 453.   | 1.3 | 18        |
| 46 | Crop rotation and Raccoon River nitrate. Journal of Soils and Water Conservation, 2016, 71, 206-219.   | 0.8 | 23        |
| 47 | Estimation of long-term Ca2+ loss through outlet flow from an agricultural watershed and the influencing factors. Environmental Science and Pollution Research, 2016, 23, 10911-10921.   | 2.7 | 1         |
| 48 | Increasing nitrate concentrations in streams draining into Lake Ontario. Journal of Great Lakes<br>Research, 2016, 42, 356-363.  | 0.8 | 14        |
| 49 | A model for evaluating production and environmental performance of kenaf in rotation with conventional row crops. Industrial Crops and Products, 2017, 100, 218-227.   | 2.5 | 4         |
| 50 | Use of continuous monitoring to assess stream nitrate flux and transformation patterns.<br>Environmental Monitoring and Assessment, 2017, 189, 35.   | 1.3 | 6         |
| 51 | Soil. Advances in Agronomy, 2017, , 1-46.  | 2.4 | 90        |
| 52 | Regional differences in impacts to water quality from the bioenergy mandate. Biomass and Bioenergy, 2017, 106, 115-126.  | 2.9 | 5         |
| 53 | Simulation of targeted pollutant-mitigation-strategies to reduce nitrate and sediment hotspots in agricultural watershed. Science of the Total Environment, 2017, 607-608, 1188-1200.  | 3.9 | 50        |
| 54 | Nitrate transport and supply limitations quantified using high-frequency stream monitoring and turning point analysis. Journal of Hydrology, 2017, 549, 581-591.   | 2.3 | 25        |
| 55 | Assessment of Bioenergy Cropping Scenarios for the Boone River Watershed in North Central Iowa, United States. Journal of the American Water Resources Association, 2017, 53, 1336-1354.   | 1.0 | 17        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 56 | Agricultural Conservation Planning Framework: 3. Land Use and Field Boundary Database Development and Structure. Journal of Environmental Quality, 2017, 46, 676-686.           | 1.0 | 29        |
| 57 | Issues for cropping and agricultural science in the next 20 years. Field Crops Research, 2018, 222, 121-142.  | 2.3 | 130       |
| 58 | Linking crop- and soil-based approaches to evaluate system nitrogen-use efficiency and tradeoffs.<br>Agriculture, Ecosystems and Environment, 2018, 256, 131-143.               | 2.5 | 64        |
| 59 | Can soil nitrogen dynamics explain the yield benefit of crop diversification?. Field Crops Research, 2018, 219, 33-42.  | 2.3 | 17        |
| 60 | Targeted subfield switchgrass integration could improve the farm economy, water quality, and bioenergy feedstock production. GCB Bioenergy, 2018, 10, 199-212.                  | 2.5 | 47        |
| 61 | The trouble with cover crops: Farmers' experiences with overcoming barriers to adoption. Renewable Agriculture and Food Systems, 2018, 33, 322-333.                             | 0.8 | 157       |
| 62 | Bridging biofuel sustainability indicators and ecosystem services through stakeholder engagement.<br>Biomass and Bioenergy, 2018, 114, 143-156.                                 | 2.9 | 21        |
| 63 | Agricultural conservation practices in Iowa watersheds: comparing actual implementation with practice potential. Environmental Monitoring and Assessment, 2018, 190, 659.       | 1.3 | 9         |
| 64 | Nutrient Reduction in Agricultural Green Infrastructure: An Analysis of the Raccoon River<br>Watershed. Water (Switzerland), 2018, 10, 749.                                     | 1.2 | 8         |
| 65 | lowa stream nitrate and the Gulf of Mexico. PLoS ONE, 2018, 13, e0195930.   | 1.1 | 72        |
| 66 | Agricultural Practices for Growing Kenaf in Iowa: I. Morphology, Stem, and Fiber Yield. Agronomy<br>Journal, 2019, 111, 1118-1127.  | 0.9 | 1         |
| 67 | Hydrograph separation of subsurface tile discharge. Environmental Monitoring and Assessment, 2019, 191, 231.  | 1.3 | 12        |
| 68 | Livestock manure driving stream nitrate. Ambio, 2019, 48, 1143-1153.  | 2.8 | 25        |
| 69 | Productivity and diversity of annually harvested reconstructed prairie communities. Journal of Applied Ecology, 2019, 56, 330-342.  | 1.9 | 11        |
| 70 | Cropping pattern changes diminish agroecosystem services in North and South Dakota, USA.<br>Agronomy Journal, 2020, 112, 1-24.  | 0.9 | 39        |
| 71 | Temporal trends in amount and placement of conservation practices in the South Fork of the Iowa<br>River watershed. Journal of Soils and Water Conservation, 2020, 75, 245-253. | 0.8 | 4         |
| 72 | PEWI: An interactive web-based ecosystem service model for a broad public audience. Ecological Modelling, 2020, 431, 109165.  | 1.2 | 0         |
| 73 | The role of policy in social–ecological interactions of nitrogen management in the Mississippi River basin. Journal of Environmental Quality, 2020, 49, 304-313.                | 1.0 | 0         |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 74 | Farmer perspectives on benefits of and barriers to extended crop rotations in Iowa, USA. Agricultural and Environmental Letters, 2021, 6, e20049.  | 0.8 | 12        |
| 75 | Temporal scaling of long-term co-occurring agricultural contaminants and the implications for conservation planning. Environmental Research Letters, 2021, 16, 094015.                             | 2.2 | 1         |
| 76 | Stem Density, Productivity, and Weed Community Dynamics in Corn-Alfalfa Intercropping. Agronomy, 2021, 11, 1696.   | 1.3 | 3         |
| 77 | Improved hydrological modeling with APEX and EPIC: Model description, testing, and assessment of bioenergy producing landscape scenarios. Environmental Modelling and Software, 2021, 143, 105111. | 1.9 | 6         |
| 78 | How can cover crops contribute to weed management? A modelling approach illustrated with rye<br>( <i>Secale cereale</i> ) and <i>Amaranthus tuberculatus</i> . Weed Research, 2022, 62, 1-11.      | 0.8 | 5         |
| 79 | Triple bottom-line consideration of sustainable plant disease management: From economic, sociological and ecological perspectives. Journal of Integrative Agriculture, 2021, 20, 2581-2591.        | 1.7 | 10        |
| 80 | Organic agriculture effect on water use, tile flow, and crop yield. , 2021, 4, e20200.   |     | 2         |
| 81 | Weed seedbank diversity and sustainability indicators for simple and more diverse cropping systems.<br>Weed Research, 2021, 61, 164-177.   | 0.8 | 11        |
| 82 | Stover Harvest and Tillage System Effects on Corn Response to Fertilizer Nitrogen. Soil Science<br>Society of America Journal, 2015, 79, 1249-1260.  | 1.2 | 12        |
| 84 | Cropping System Redesign for Improved Weed Management: A Modeling Approach Illustrated with<br>Giant Ragweed (Ambrosia trifida). Agronomy, 2020, 10, 262.  | 1.3 | 15        |
| 86 | Hydrologic and Nutrient Fluxes in a Small Watershed with Changing Agricultural Practices.<br>Northwest Science, 2021, 95, .  | 0.1 | 0         |
| 87 | Quantifying Soil Moisture Distribution at a Watershed Scale. , 0, , .  |     | Ο         |
| 88 | NITRATE CONCENTRATIONS IN STREAMS AS A FUNCTION OF CROP COVER IN MIDWESTERN AGRICULTURAL WATERSHEDS: ASSESSING THE ROLE OF CORN AND SOYBEANS. , 2018, , .  |     | 1         |
| 89 | Redesigning Land Use for Enhanced Agricultural Sustainability at the Urban-Rural Interface:<br>Perspectives Drawn from Experiments Conducted in the U.S. Corn Belt. , 0, , .                       |     | Ο         |
| 90 | Stacked conservation practices reduce nitrogen loss: A paired watershed study. Journal of Environmental Management, 2022, 302, 114053.   | 3.8 | 3         |
| 91 | Comprehensive impacts of diversified cropping on soil health and sustainability. Agroecology and Sustainable Food Systems, 2022, 46, 331-363.  | 1.0 | 14        |
| 92 | A nonlinear autoregressive exogenous (NARX) model to predict nitrate concentration in rivers.<br>Environmental Science and Pollution Research, 2022, 29, 40623-40642.                              | 2.7 | 10        |
| 93 | Nitrate losses across 29 Iowa watersheds: Measuring longâ€ŧerm trends in the context of interannual variability. Journal of Environmental Quality, 2022, 51, 708-718.                              | 1.0 | 5         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 97  | Nitrate losses and nitrous oxide emissions under contrasting tillage and cover crop management.<br>Journal of Environmental Quality, 2022, 51, 683-695.                         | 1.0 | 12        |
| 98  | River flow rate prediction in the Des Moines watershed (Iowa, USA): a machine learning approach.<br>Stochastic Environmental Research and Risk Assessment, 2022, 36, 3835-3855. | 1.9 | 19        |
| 99  | How climate change and land-use evolution relates to the non-point source pollution in a typical watershed of China. Science of the Total Environment, 2022, 839, 156375.       | 3.9 | 22        |
| 100 | Subsurface Nitrate Processing Beneath Drainageways: Are They Landscape Opportunities for Subsurface Drainage Remediation?. , 2022, 65, 985-995.                                 |     | 0         |
| 101 | Assessing the Effectiveness of Winter Cover Crops for Controlling Agricultural Nutrient Losses.<br>Journal of the American Water Resources Association, 0, , .                  | 1.0 | 0         |
| 102 | Rye-soybean double-crop: planting method and N fertilization effects in the North Central US.<br>Renewable Agriculture and Food Systems, 2022, 37, 445-456.                     | 0.8 | 6         |
| 103 | Agroecosystem model simulations reveal spatial variability in relative productivity in biomass sorghum and maize in Iowa, <scp>USA</scp> . GCB Bioenergy, 2022, 14, 1336-1360.  | 2.5 | 3         |
| 104 | Variability in the discharge of the Mississippi River and tributaries from 1817 to 2020. PLoS ONE, 2022, 17, e0276513.  | 1.1 | 3         |
| 105 | An Approach for Prioritizing Natural Infrastructure Practices to Mitigate Flood and Nitrate Risks in the Mississippi-Atchafalaya River Basin. Land, 2023, 12, 276.              | 1.2 | 4         |
| 106 | Identifying research priorities through decision analysis: A case study for cover crops. Frontiers in<br>Sustainable Food Systems, 0, 7, .                                      | 1.8 | 0         |