

# Richard Alexander

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1995892/publications.pdf>

Version: 2024-02-01

27  
papers

5,036  
citations

394286

19  
h-index

552653

26  
g-index

39  
all docs

39  
docs citations

39  
times ranked

4578  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Effect of stream channel size on the delivery of nitrogen to the Gulf of Mexico. <i>Nature</i> , 2000, 403, 758-761.   | 13.7 | 969       |
| 2  | Differences in Phosphorus and Nitrogen Delivery to The Gulf of Mexico from the Mississippi River Basin. <i>Environmental Science &amp; Technology</i> , 2008, 42, 822-830.   | 4.6  | 727       |
| 3  | Regional interpretation of water-quality monitoring data. <i>Water Resources Research</i> , 1997, 33, 2781-2798.   | 1.7  | 536       |
| 4  | The Role of Headwater Streams in Downstream Water Quality <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2007, 43, 41-59.   | 1.0  | 475       |
| 5  | Title is missing!. <i>Biogeochemistry</i> , 2002, 57, 199-237.   | 1.7  | 403       |
| 6  | The regional and global significance of nitrogen removal in lakes and reservoirs. <i>Biogeochemistry</i> , 2009, 93, 143-157.  | 1.7  | 326       |
| 7  | MODELING DENITRIFICATION IN TERRESTRIAL AND AQUATIC ECOSYSTEMS AT REGIONAL SCALES. , 2006, 16, 2123-2142.  |      | 216       |
| 8  | Dynamic modeling of nitrogen losses in river networks unravels the coupled effects of hydrological and biogeochemical processes. <i>Biogeochemistry</i> , 2009, 93, 91-116.  | 1.7  | 212       |
| 9  | Carbon Budget of Tidal Wetlands, Estuaries, and Shelf Waters of Eastern North America. <i>Global Biogeochemical Cycles</i> , 2018, 32, 389-416.  | 1.9  | 147       |
| 10 | Net ecosystem production and organic carbon balance of U.S. East Coast estuaries: A synthesis approach. <i>Global Biogeochemical Cycles</i> , 2015, 29, 96-111.  | 1.9  | 93        |
| 11 | Factors Affecting Stream Nutrient Loads: A Synthesis of Regional SPARROW Model Results for the Continental United States <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2011, 47, 891-915.        | 1.0  | 91        |
| 12 | Data from selected U.S. Geological Survey National Stream Water Quality Monitoring Networks. <i>Water Resources Research</i> , 1998, 34, 2401-2405.  | 1.7  | 81        |
| 13 | Incorporating Uncertainty Into the Ranking of SPARROW Model Nutrient Yields From Mississippi/Atchafalaya River Basin Watersheds <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2009, 45, 534-549. | 1.0  | 78        |
| 14 | How Hydrologic Connectivity Regulates Water Quality in River Corridors. <i>Journal of the American Water Resources Association</i> , 2019, 55, 369-381.  | 1.0  | 75        |
| 15 | Thresholds of lake and reservoir connectivity in river networks control nitrogen removal. <i>Nature Communications</i> , 2018, 9, 2779.  | 5.8  | 68        |
| 16 | Regional Effects of Agricultural Conservation Practices on Nutrient Transport in the Upper Mississippi River Basin. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6991-7000.                                       | 4.6  | 65        |
| 17 | Dominance of organic nitrogen from headwater streams to large rivers across the conterminous United States. <i>Global Biogeochemical Cycles</i> , 2007, 21, .  | 1.9  | 56        |
| 18 | Small Ponds in Headwater Catchments Are a Dominant Influence on Regional Nutrient and Sediment Budgets. <i>Geophysical Research Letters</i> , 2019, 46, 9669-9677.   | 1.5  | 45        |

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|----|--|-----|-----------|
| 19 | Support of Total Maximum Daily Load Programs Using Spatially Referenced Regression Models. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 315-329.  | 1.3 | 42        |
| 20 | Atmospheric Nitrogen Flux from the Watersheds of Major Estuaries of the United States: An Application of the SPARROW Watershed Model. Coastal and Estuarine Studies, 2013, , 119-170.  | 0.4 | 31        |
| 21 | Sparrow Modeling to Understand Water-Quality Conditions in Major Regions of the United States: A Featured Collection Introduction1. Journal of the American Water Resources Association, 2011, 47, 887-890.                                    | 1.0 | 26        |
| 22 | Contribution of Atmospheric Deposition to the Total Nitrogen Loads to Thirty-Four Estuaries on the Atlantic and Gulf Coasts of the United States. Coastal and Estuarine Studies, 2013, , 77-106.   | 0.4 | 22        |
| 23 | The Regionalization of National-Scale SPARROW Models for Stream Nutrients1. Journal of the American Water Resources Association, 2011, 47, 1151-1172.  | 1.0 | 17        |
| 24 | Low threshold for nitrogen concentration saturation in headwaters increases regional and coastal delivery. Environmental Research Letters, 2020, 15, 044018.   | 2.2 | 9         |
| 25 | Advances in Quantifying Streamflow Variability Across Continental Scales: 1. Identifying Natural and Anthropogenic Controlling Factors in the USA Using a Spatially Explicit Modeling Method. Water Resources Research, 2019, 55, 10893-10917. | 1.7 | 7         |
| 26 | Advances in Quantifying Streamflow Variability Across Continental Scales: 2. Improved Model Regionalization and Prediction Uncertainties Using Hierarchical Bayesian Methods. Water Resources Research, 2019, 55, 11061-11087.                 | 1.7 | 6         |
| 27 | Application of the RSPARROW Modeling Tool to Estimate Total Nitrogen Sources to Streams and Evaluate Source Reduction Management Scenarios in the Grande River Basin, Brazil. Water (Switzerland), 2020, 12, 2911.                             | 1.2 | 6         |