Richard Alexander

List of Publications by Year
in descending order

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	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
2	Low threshold for nitrogen concentration saturation in headwaters increases regional and coastal delivery. Environmental Research Letters, 2020, 15, 044018.	2.2	9
3	Small Ponds in Headwater Catchments Are a Dominant Influence on Regional Nutrient and Sediment Budgets. Geophysical Research Letters, 2019, 46, 9669-9677.	1.5	45
4	How Hydrologic Connectivity Regulates Water Quality in River Corridors. Journal of the American Water Resources Association, 2019, 55, 369-381.	1.0	75
5	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
6	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
7	Carbon Budget of Tidal Wetlands, Estuaries, and Shelf Waters of Eastern North America. Global Biogeochemical Cycles, 2018, 32, 389-416.	1.9	147
8	Thresholds of lake and reservoir connectivity in river networks control nitrogen removal. Nature Communications, 2018, 9, 2779.	5.8	68
9	Regional Effects of Agricultural Conservation Practices on Nutrient Transport in the Upper Mississippi River Basin. Environmental Science & Technology, 2016, 50, 6991-7000.	4.6	65
10	Net ecosystem production and organic carbon balance of U.S. East Coast estuaries: A synthesis approach. Global Biogeochemical Cycles, 2015, 29, 96-111.	1.9	93
11	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
12	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
13	Factors Affecting Stream Nutrient Loads: A Synthesis of Regional SPARROW Model Results for the Continental United States1. Journal of the American Water Resources Association, 2011, 47, 891-915.	1.0	91
14	The Regionalization of National-Scale SPARROW Models for Stream Nutrients1. Journal of the American Water Resources Association, 2011, 47, 1151-1172.	1.0	17
15	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
16	The regional and global significance of nitrogen removal in lakes and reservoirs. Biogeochemistry, 2009, 93, 143-157.	1.7	326
17	Dynamic modeling of nitrogen losses in river networks unravels the coupled effects of hydrological and biogeochemical processes. Biogeochemistry, 2009, 93, 91-116.	1.7	212
18	Incorporating Uncertainty Into the Ranking of SPARROW Model Nutrient Yields From Mississippi/Atchafalaya River Basin Watersheds¹. Journal of the American Water Resources Association, 2009, 45, 534-549.	1.0	78

#	Article	IF	Citations
19	Differences in Phosphorus and Nitrogen Delivery to The Gulf of Mexico from the Mississippi River Basin. Environmental Science & Technology, 2008, 42, 822-830.	4.6	727
20	Dominance of organic nitrogen from headwater streams to large rivers across the conterminous United States. Global Biogeochemical Cycles, 2007, 21, .	1.9	56
21	The Role of Headwater Streams in Downstream Water Quality¹. Journal of the American Water Resources Association, 2007, 43, 41-59.	1.0	475
22	MODELING DENITRIFICATION IN TERRESTRIAL AND AQUATIC ECOSYSTEMS AT REGIONAL SCALES. , 2006, 16, 2123-2142.		216
23	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
24	Title is missing!. Biogeochemistry, 2002, 57, 199-237.	1.7	403
25	Effect of stream channel size on the delivery of nitrogen to the Gulf of Mexico. Nature, 2000, 403, 758-761.	13.7	969
26	Data from selected U.S. Geological Survey National Stream Water Quality Monitoring Networks. Water Resources Research, 1998, 34, 2401-2405.	1.7	81
27	Regional interpretation of water-quality monitoring data. Water Resources Research, 1997, 33, 2781-2798.	1.7	536