

# Gregory E Schwarz

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

4,262  
citations

331259

21  
h-index

414034

32  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3758  
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	Natural Background Concentrations of Nutrients in Streams and Rivers of the Conterminous United States. <i>Environmental Science &amp; Technology</i> , 2003, 37, 3039-3047.	4.6	265
6	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
7	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
8	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
9	An evaluation of methods for estimating decadal stream loads. <i>Journal of Hydrology</i> , 2016, 542, 185-203.	2.3	73
10	Thresholds of lake and reservoir connectivity in river networks control nitrogen removal. <i>Nature Communications</i> , 2018, 9, 2779.	5.8	68
11	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
12	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
13	Sources of Suspended Sediment Flux in Streams of the Chesapeake Bay Watershed: A Regional Application of the SPARROW Model <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2010, 46, 757-776.	1.0	56
14	A Multi-Agency Nutrient Dataset Used to Estimate Loads, Improve Monitoring Design, and Calibrate Regional Nutrient SPARROW Models <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2011, 47, 933-949.	1.0	48
15	Toward Explaining Nitrogen and Phosphorus Trends in Chesapeake Bay Tributaries, 1992–2012. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1149-1168.	1.0	48
16	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
17	Spatial Variability in Nutrient Transport by HUC 8, State, and Subbasin Based on Mississippi/Atchafalaya River Basin SPARROW Models. <i>Journal of the American Water Resources Association</i> , 2014, 50, 988-1009.	1.0	37
18	Atmospheric Nitrogen Flux from the Watersheds of Major Estuaries of the United States: An Application of the SPARROW Watershed Model. <i>Coastal and Estuarine Studies</i> , 2013, , 119-170.	0.4	31

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19	SOCIOECONOMIC IMPACTS OF CLIMATE CHANGE ON U.S. WATER SUPPLIES. Journal of the American Water Resources Association, 1999, 35, 1563-1583.	1.0	29
20	The supply and demand for pollution control: Evidence from wastewater treatment. Journal of Environmental Economics and Management, 1992, 23, 54-77.	2.1	28
21	Phosphorus and Nitrogen Transport in the Binational Great Lakes Basin Estimated Using SPARROW Watershed Models. Journal of the American Water Resources Association, 2019, 55, 1401-1424.	1.0	27
22	Regional regression models of watershed suspended-sediment discharge for the eastern United States. Journal of Hydrology, 2012, 472-473, 53-62.	2.3	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	Comment on "In-Stream Nitrogen Attenuation: A Model-Aggregation Effects and Implications for Coastal Nitrogen Impacts". Environmental Science & Technology, 2006, 40, 2485-2486.	4.6	13
25	Local choice and wastewater treatment plant performance. Water Resources Research, 1993, 29, 1589-1600.	1.7	10
26	A Comparison of Load Estimates Using Total Suspended Solids and Suspended-Sediment Concentration Data. , 2001, , 1.		9
27	Low threshold for nitrogen concentration saturation in headwaters increases regional and coastal delivery. Environmental Research Letters, 2020, 15, 044018.	2.2	9
28	Seasonally dynamic nutrient modeling quantifies storage lags and time-varying reactivity across large river basins. Environmental Research Letters, 2021, 16, 095004.	2.2	9
29	Correction of stream quality trends for the effects of laboratory measurement bias. Water Resources Research, 1993, 29, 3821-3833.	1.7	8
30	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
31	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
32	Adapting a regional water-quality model for local application: A case study for Tennessee, USA. Environmental Modelling and Software, 2019, 115, 187-199.	1.9	5
33	Multivariate Models of Watershed Suspended Sediment Loads for the Eastern United States. , 2010, , .		3
34	Predicting Near-Term Effects of Climate Change on Nitrogen Transport to Chesapeake Bay. Journal of the American Water Resources Association, 0, , .	1.0	3
35	Accounting for Temporal Variability of Streamflow in Estimates of Travel Time. Frontiers in Water, 2020, 2, .	1.0	1