Gregory E Schwarz

List of Publications by Year
in descending order

35	4,262	331670 21	414414 32
papers	citations	h-index	g-index

51	51	51	3758
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seasonally dynamic nutrient modeling quantifies storage lags and time-varying reactivity across large river basins. Environmental Research Letters, 2021, 16, 095004.	5.2	9
2	Accounting for Temporal Variability of Streamflow in Estimates of Travel Time. Frontiers in Water, 2020, 2, .	2.3	1
3	Low threshold for nitrogen concentration saturation in headwaters increases regional and coastal delivery. Environmental Research Letters, 2020, 15, 044018.	5.2	9
4	Small Ponds in Headwater Catchments Are a Dominant Influence on Regional Nutrient and Sediment Budgets. Geophysical Research Letters, 2019, 46, 9669-9677.	4.0	45
5	Toward Explaining Nitrogen and Phosphorus Trends in Chesapeake Bay Tributaries, 1992â€“2012. Journal of the American Water Resources Association, 2019, 55, 1149-1168.	2.4	48
6	Adapting a regional water-quality model for local application: A case study for Tennessee, USA. Environmental Modelling and Software, 2019, 115, 187-199.	4.5	5
7	How Hydrologic Connectivity Regulates Water Quality in River Corridors. Journal of the American Water Resources Association, 2019, 55, 369-381.	2.4	75
8	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.	4.2	7
9	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.	2.4	27
10	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.	4.2	6
11	Thresholds of lake and reservoir connectivity in river networks control nitrogen removal. Nature Communications, 2018, 9, 2779.	12.8	68
12	An evaluation of methods for estimating decadal stream loads. Journal of Hydrology, 2016, 542, 185-203.	5.4	73
13	Regional Effects of Agricultural Conservation Practices on Nutrient Transport in the Upper Mississippi River Basin. Environmental Science & Technology, 2016, 50, 6991-7000.	10.0	65
14	Spatial Variability in Nutrient Transport by HUC 8, State, and Subbasin Based on Mississippi/Atchafalaya River Basin SPARROW Models. Journal of the American Water Resources Association, 2014, 50, 988-1009.	2.4	37
15	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
16	Regional regression models of watershed suspended-sediment discharge for the eastern United States. Journal of Hydrology, 2012, 472-473, 53-62.	5.4	22
17	A Multi-Agency Nutrient Dataset Used to Estimate Loads, Improve Monitoring Design, and Calibrate Regional Nutrient SPARROW Models1. Journal of the American Water Resources Association, 2011, 47, 933-949.	2.4	48
18	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.	2.4	91

#	Article	IF	Citations
19	The Regionalization of National-Scale SPARROW Models for Stream Nutrients1. Journal of the American Water Resources Association, 2011, 47, 1151-1172.	2.4	17
20	Sources of Suspendedâ€Sediment Flux in Streams of the Chesapeake Bay Watershed: A Regional Application of the SPARROW Model¹. Journal of the American Water Resources Association, 2010, 46, 757-776.	2.4	56
21	Multivariate Models of Watershed Suspended Sediment Loads for the Eastern United States. , 2010, , .		3
22	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.	2.4	78
23	Differences in Phosphorus and Nitrogen Delivery to The Gulf of Mexico from the Mississippi River Basin. Environmental Science & Technology, 2008, 42, 822-830.	10.0	727
24	Dominance of organic nitrogen from headwater streams to large rivers across the conterminous United States. Global Biogeochemical Cycles, 2007, 21, .	4.9	56
25	The Role of Headwater Streams in Downstream Water Quality¹. Journal of the American Water Resources Association, 2007, 43, 41-59.	2.4	475
26	Comment on â€œIn-Stream Nitrogen Attenuation:Â Model-Aggregation Effects and Implications for Coastal Nitrogen Impactsâ€• Environmental Science & Technology, 2006, 40, 2485-2486.	10.0	13
27	Natural Background Concentrations of Nutrients in Streams and Rivers of the Conterminous United States. Environmental Science & Technology, 2003, 37, 3039-3047.	10.0	265
28	A Comparison of Load Estimates Using Total Suspended Solids and Suspended-Sediment Concentration Data. , 2001, , 1.		9
29	Effect of stream channel size on the delivery of nitrogen to the Gulf of Mexico. Nature, 2000, 403, 758-761.	27.8	969
30	SOCIOECONOMIC IMPACTS OF CLIMATE CHANGE ON U.S. WATER SUPPLIES. Journal of the American Water Resources Association, 1999, 35, 1563-1583.	2.4	29
31	Regional interpretation of water-quality monitoring data. Water Resources Research, 1997, 33, 2781-2798.	4.2	536
32	Local choice and wastewater treatment plant performance. Water Resources Research, 1993, 29, 1589-1600.	4.2	10
33	Correction of stream quality trends for the effects of laboratory measurement bias. Water Resources Research, 1993, 29, 3821-3833.	4.2	8
34	The supply and demand for pollution control: Evidence from wastewater treatment. Journal of Environmental Economics and Management, 1992, 23, 54-77.	4.7	28
35	Predicting Nearâ€Term Effects of Climate Change on Nitrogen Transport to Chesapeake Bay. Journal of the American Water Resources Association, 0, , .	2.4	3