Shuiwang Duan

List of Publications by Year
in descending order

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28 papers	1,139 citations	516710 16 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1459 citing authors

#	Article	IF	Citations
1	Five state factors control progressive stages of freshwater salinization syndrome. Limnology and Oceanography Letters, 2023, 8, 190-211.	3.9	15
2	Use of interpretable machine learning to identify the factors influencing the nonlinear linkage between land use and river water quality in the Chesapeake Bay watershed. Ecological Indicators, 2022, 140, 108977.	6.3	20
3	Land use and climate variability amplifies watershed nitrogen exports in coastal China. Ocean and Coastal Management, 2021, 207, 104428.	4.4	29
4	Enriched dissolved organic carbon export from a residential stormwater pond. Science of the Total Environment, 2021, 751, 141773.	8.0	7
5	Evidence that watershed nutrient management practices effectively reduce estrogens in environmental waters. Science of the Total Environment, 2021, 758, 143904.	8.0	15
6	Evidence of Phosphate Mining and Agriculture Influence on Concentrations, Forms, and Ratios of Nitrogen and Phosphorus in a Florida River. Water (Switzerland), 2021, 13, 1064.	2.7	4
7	Freshwater salinization syndrome: from emerging global problem to managing risks. Biogeochemistry, 2021, 154, 255-292.	3.5	87
8	Optimized suspect screening approach for a comprehensive assessment of the impact of best management practices in reducing micropollutants transport in the Potomac River watershed. Water Research X, 2021, 11, 100088.	6.1	16
9	Changes in concentrations and source of nitrogen along the Potomac River with watershed land use. Applied Geochemistry, 2021, 131, 105006.	3.0	6
10	Tracking riverine nitrate sources under changing land use pattern and hydrologic regime. Marine Pollution Bulletin, 2020, 152, 110884.	5.0	13
11	Regenerative stormwater conveyance (RSC) for reducing nutrients in urban stormwater runoff depends upon carbon quantity and quality. Science of the Total Environment, 2019, 652, 134-146.	8.0	13
12	Episodic salinization and freshwater salinization syndrome mobilize base cations, carbon, and nutrients to streams across urban regions. Biogeochemistry, 2018, 141, 463-486.	3.5	46
13	Human-accelerated weathering increases salinization, major ions, and alkalinization in fresh water across land use. Applied Geochemistry, 2017, 83, 121-135.	3.0	147
14	Phosphorus Retention in Stormwater Control Structures across Streamflow in Urban and Suburban Watersheds. Water (Switzerland), 2016, 8, 390.	2.7	28
15	Hydrological controls on cascade reservoirs regulating phosphorus retention and downriver fluxes. Environmental Science and Pollution Research, 2016, 23, 24166-24177.	5.3	22
16	Warming increases nutrient mobilization and gaseous nitrogen removal from sediments across cascade reservoirs. Environmental Pollution, 2016, 219, 490-500.	7.5	40
17	Ammonium and phosphate enrichment across the dryâ€“wet transition and their ecological relevance in a subtropical reservoir, China. Environmental Sciences: Processes and Impacts, 2016, 18, 882-894.	3.5	13
18	Dynamics of dissolved organic carbon and total dissolved nitrogen in Maryland's coastal bays. Estuarine, Coastal and Shelf Science, 2015, 164, 451-462.	2.1	9

#	Article	IF	Citations
19	Distribution and persistence of Escherichia coli and Enterococci in stream bed and bank sediments from two urban streams in Houston, TX. Science of the Total Environment, 2015, 502, 650-658.	8.0	42
20	Tracing sources of organic matter in adjacent urban streams having different degrees of channel modification. Science of the Total Environment, 2014, 485-486, 252-262.	8.0	23
21	Potential effects of leaf litter on water quality in urban watersheds. Biogeochemistry, 2014, 121, 61-80.	3.5	50
22	High frequency measurement of nitrate concentration in the Lower Mississippi River, USA. Journal of Hydrology, 2014, 519, 376-386.	5.4	20
23	Longitudinal patterns in carbon and nitrogen fluxes and stream metabolism along an urban watershed continuum. Biogeochemistry, 2014, 121, 23-44.	3.5	84
24	Land Use and Climate Variability Amplify Carbon, Nutrient, and Contaminant Pulses: A Review with Management Implications. Journal of the American Water Resources Association, 2014, 50, 585-614.	2.4	162
25	Phosphorus export across an urban to rural gradient in the Chesapeake Bay watershed. Journal of Geophysical Research, 2012, 117, .	3.3	116
26	Temperature Control on Soluble Reactive Phosphorus in the Lower Mississippi River?. Estuaries and Coasts, 2011, 34, 78-89.	2.2	10
27	Effects of tributary inputs on nutrient export from the Mississippi and Atchafalaya Rivers to the Gulf of Mexico. Marine and Freshwater Research, 2010, 61, 1029.	1.3	12
28	Seasonal changes in the abundance and composition of plant pigments in particulate organic carbon in the lower Mississippi and Pearl Rivers. Estuaries and Coasts, 2006, 29, 427-442.	2.2	90