Anthony J Tesoriero

List of Publications by Year
in descending order

23	1,522	331670	642732
papers	citations	21	23
		h-index	g-index

28	28	28	1632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism and rate of denitrification in an agricultural watershed: Electron and mass balance along groundwater flow paths. Water Resources Research, 2000, 36, 1545-1559.	4.2	201
2	Nitrogen Contamination of Surficial Aquifersâ€"A Growing Legacy. Environmental Science & Technology, 2011, 45, 839-844.	10.0	165
3	Vulnerability of Streams to Legacy Nitrate Sources. Environmental Science & Technology, 2013, 47, 3623-3629.	10.0	130
4	O_2 reduction and denitrification rates in shallow aquifers. Water Resources Research, 2011, 47, .	4.2	98
5	Predicting redoxâ€sensitive contaminant concentrations in groundwater using random forest classification. Water Resources Research, 2017, 53, 7316-7331.	4.2	84
6	Identifying Pathways and Processes Affecting Nitrate and Orthophosphate Inputs to Streams in Agricultural Watersheds. Journal of Environmental Quality, 2009, 38, 1892-1900.	2.0	82
7	Monitoring the riverine pulse: Applying highâ€frequency nitrate data to advance integrative understanding of biogeochemical and hydrological processes. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1348.	6.5	78
8	Linking ground-water age and chemistry data along flow paths: Implications for trends and transformations of nitrate and pesticides. Journal of Contaminant Hydrology, 2007, 94, 139-155.	3.3	74
9	Wholeâ€Stream Response to Nitrate Loading in Three Streams Draining Agricultural Landscapes. Journal of Environmental Quality, 2008, 37, 1133-1144.	2.0	69
10	Quantifying watershedâ€scale groundwater loading and inâ€stream fate of nitrate using highâ€frequency water quality data. Water Resources Research, 2016, 52, 330-347.	4.2	63
11	Nitrogen transport and transformations in a coastal plain watershed: Influence of geomorphology on flow paths and residence times. Water Resources Research, 2005, 41, .	4.2	59
12	The Influence of Nutrients and Physical Habitat in Regulating Algal Biomass in Agricultural Streams. Environmental Management, 2010, 45, 603-615.	2.7	51
13	Estimating Discharge and Nonpoint Source Nitrate Loading to Streams From Three Endâ€Member Pathways Using Highâ€Frequency Water Quality Data. Water Resources Research, 2017, 53, 10201-10216.	4.2	48
14	Predicting Redox Conditions in Groundwater at a Regional Scale. Environmental Science & Technology, 2015, 49, 9657-9664.	10.0	46
15	Nitrogen speciation and trends, and prediction of denitrification extent, in shallow US groundwater. Journal of Hydrology, 2014, 509, 343-353.	5.4	41
16	Regional Variability of Nitrate Fluxes in the Unsaturated Zone and Groundwater, Wisconsin, <scp>USA</scp>. Water Resources Research, 2018, 54, 301-322.	4.2	38
17	Geochemistry of shallow ground water in coastal plain environments in the southeastern United States: implications for aquifer susceptibility. Applied Geochemistry, 2004, 19, 1471-1482.	3.0	35
18	Fate and Origin of 1,2-Dichloropropane in an Unconfined Shallow Aquifer. Environmental Science & Technology, 2001, 35, 455-461.	10.0	32

#	Article	IF	Citations
19	Trends and Transformation of Nutrients and Pesticides in a Coastal Plain Aquifer System, United States. Journal of Environmental Quality, 2010, 39, 154-167.	2.0	27
20	Low Transient Storage and Uptake Efficiencies in Seven Agricultural Streams: Implications for Nutrient Demand. Journal of Environmental Quality, 2014, 43, 1980-1990.	2.0	27
21	Factors Affecting Nitrate Concentrations in Stream Base Flow. Environmental Science & Technology, 2021, 55, 902-911.	10.0	27
22	Using Age Tracers and Decadal Sampling to Discern Trends in Nitrate, Arsenic, and Uranium in Groundwater Beneath Irrigated Cropland. Environmental Science & Technology, 2019, 53, 14152-14164.	10.0	10
23	Influence of redox gradients on nitrate transport from the landscape to groundwater and streams. Science of the Total Environment, 2021, 800, 150200.	8.0	6