Tian Guo

List of Publications by Year
in descending order

21 papers	439 citations	686830 13 h-index	752256 20 g-index
25 all docs	25 docs citations	25 times ranked	566 citing authors

#	Article	IF	Citations
1	Modeling and assessing water and nutrient balances in a tile-drained agricultural watershed in the U.S. Corn Belt. Water Research, 2022, 210, 117976.	5.3	13
2	Quantifying the contribution of direct runoff and baseflow to nitrogen loading in the Western Lake Erie Basins. Scientific Reports, 2022, 12, .	1.6	3
3	Evaluating management options to reduce Lake Erie algal blooms using an ensemble of watershed models. Journal of Environmental Management, 2021, 280, 111710.	3.8	25
4	Less Agricultural Phosphorus Applied in 2019 Led to Less Dissolved Phosphorus Transported to Lake Erie. Environmental Science & Technology, 2021, 55, 283-291.	4.6	36
5	Evaluation of Costs and Efficiencies of Urban Low Impact Development (LID) Practices on Stormwater Runoff and Soil Erosion in an Urban Watershed Using the Water Erosion Prediction Project (WEPP) Model. Water (Switzerland), 2021, 13, 2076.	1.2	4
6	Improving and calibrating channel erosion simulation in the Water Erosion Prediction Project (WEPP) model. Journal of Environmental Management, 2021, 291, 112616.	3.8	11
7	Improvement of simulating sub-daily hydrological impacts of rainwater harvesting for landscape irrigation with rain barrels/cisterns in the SWAT model. Science of the Total Environment, 2021, 798, 149336.	3.9	9
8	Crop growth, hydrology, and water quality dynamics in agricultural fields across the Western Lake Erie Basin: Multi-site verification of the Nutrient Tracking Tool (NTT). Science of the Total Environment, 2020, 726, 138485.	3.9	11
9	The hydrologic model as a source of nutrient loading uncertainty in a future climate. Science of the Total Environment, 2020, 724, 138004.	3.9	14
10	Evaluating efficiencies and cost-effectiveness of best management practices in improving agricultural water quality using integrated SWAT and cost evaluation tool. Journal of Hydrology, 2019, 577, 123965.	2.3	48
11	A SWAT-based optimization tool for obtaining cost-effective strategies for agricultural conservation practice implementation at watershed scales. Science of the Total Environment, 2019, 691, 685-696.	3.9	35
12	Needed: Early-term adjustments for Lake Erie phosphorus target loads to address western basin cyanobacterial blooms. Journal of Great Lakes Research, 2019, 45, 203-211.	0.8	29
13	Development and improvement of the simulation of woody bioenergy crops in the Soil and Water Assessment Tool (SWAT). Environmental Modelling and Software, 2019, 122, 104295.	1.9	20
14	Weather Generator Effectiveness in Capturing Climate Extremes. Environmental Processes, 2018, 5, 153-165.	1.7	7
15	Impact of number of realizations on the suitability of simulated weather data for hydrologic and environmental applications. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2405-2421.	1.9	14
16	Evaluation of bioenergy crop growth and the impacts of bioenergy crops on streamflow, tile drain flow and nutrient losses in an extensively tile-drained watershed using SWAT. Science of the Total Environment, 2018, 613-614, 724-735.	3.9	49
17	Comparison of performance of tile drainage routines in SWAT 2009 and 2012 in an extensively tile-drained watershed in the Midwest. Hydrology and Earth System Sciences, 2018, 22, 89-110.	1.9	38
18	Comparative Study of Different Stochastic Weather Generators for Long-Term Climate Data Simulation. Climate, 2017, 5, 26.	1.2	50

#	Article	IF	Citations
19	Functional Approach to Simulating Short-Rotation Woody Crops in Process-Based Models. Bioenergy Research, 2015, 8, 1598-1613.	2.2	20
20	Study on SOC Forecast Model in Regions of Hilly Purple Soil by Water Erosion. Advanced Materials Research, 2011, 391-392, 982-987.	0.3	2
21	Using a Multiâ€Institutional Ensemble of Watershed Models to Assess Agricultural Conservation Effectiveness in a Future Climate. Journal of the American Water Resources Association, 0, , .	1.0	1