Tamie L Veith

List of Publications by Year in Descending Order

54 papers	6,874 citations	21 h-index	56 g-index
56 ext. papers	8,009 ext. citations	3.4 avg, IF	5.5 L-index

#	Paper	IF	Citations
54	Meeting the Moment: Leveraging Temporal Inequality for Temporal Targeting to Achieve Water-Quality Load-Reduction Goals. *Water (Switzerland)*, **2022**, 14, 1003	3	0
53	Mitigating lake eutrophication through stakeholder-driven hydrologic modeling of agricultural conservation practices: A case study of Lake Macatawa, Michigan. *Journal of Great Lakes Research*, **2021**,	3	1
52	Temporal inequality of nutrient and sediment transport: a decision-making framework for temporal targeting of load reduction goals. *Environmental Research Letters*, **2021**, 16, 014005	6.2	6
51	The USDA-ARS Experimental Watershed Network: Evolution, Lessons Learned, Societal Benefits, and Moving Forward. *Water Resources Research*, **2021**, 57, e2019WR026473	5.4	3
50	Reallocating crop rotation patterns improves water quality and maintains crop yield. *Agricultural Systems*, **2021**, 187, 103015	6.1	3
49	The Chesapeake Bay Program Modeling System: Overview and Recommendations for Future Development. *Ecological Modelling*, **2021**, 465, 1-109635	3	2
48	Addressing the spatial disconnect between national-scale total maximum daily loads and localized land management decisions. *Journal of Environmental Quality*, **2020**, 49, 613-627	3.4	11
47	Headwater stream condition and nutrient runoff: Relating SWAT to empirical ecological measures in an agricultural watershed in Pennsylvania. *Journal of Environmental Quality*, **2020**, 49, 557-568	3.4	2
46	Riparian buffer effectiveness as a function of buffer design and input loads. *Journal of Environmental Quality*, **2020**, 49, 1599-1611	3.4	2
45	Application of the Soil and Water Assessment Tool (SWAT) at Field Scale: Categorizing Methods and Review of Applications. *Transactions of the ASABE*, **2020**, 63, 513-522	0.9	7
44	Projected heat stress challenges and abatement opportunities for U.S. milk production. *PLoS ONE*, **2019**, 14, e0214665	3.7	19
43	Development of PLEAD: A Database Containing Event-based Runoff Phosphorus Loadings from Agricultural Fields. *Journal of Environmental Quality*, **2019**, 48, 510-517	3.4	2
42	Load-discharge relationships reveal the efficacy of manure application practices on phosphorus and total solids losses from agricultural fields. *Agriculture, Ecosystems and Environment*, **2019**, 272, 19-28	5.7	7
41	The effects of disproportional load contributions on quantifying vegetated filter strip sediment trapping efficiencies. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 2369-2380	3.5	3
40	Evaluating Concentrated Flowpaths in Riparian Forest Buffer Contributing Areas Using LiDAR Imagery and Topographic Metrics. *Remote Sensing*, **2018**, 10, 614	5	14
39	Conservation dairy farming impact on water quality in a karst watershed in northeastern US. *Agricultural Systems*, **2018**, 165, 187-196	6.1	12
38	Analyzing Within-County Hydrogeomorphological Characteristics as a Precursor to Phosphorus Index Modifications. *Journal of Environmental Quality*, **2017**, 46, 1365-1371	3.4	2

37	Seasonal Manure Application Timing and Storage Effects on Field- and Watershed-Level Phosphorus Losses. *Journal of Environmental Quality*, **2017**, 46, 1403-1412	3.4	23
36	Evaluation of Phosphorus Site Assessment Tools: Lessons from the USA. *Journal of Environmental Quality*, **2017**, 46, 1250-1256	3.4	28
35	Simulating hydrological and nonpoint source pollution processes in a karst watershed: A variable source area hydrology model evaluation. *Agricultural Water Management*, **2017**, 180, 212-223	5.9	41
34	The Promise, Practice, and State of Planning Tools to Assess Site Vulnerability to Runoff Phosphorus Loss. *Journal of Environmental Quality*, **2017**, 46, 1243-1249	3.4	12
33	Declining Atmospheric Sulfate Deposition in an Agricultural Watershed in Central Pennsylvania, USA. *Agricultural and Environmental Letters*, **2016**, 1, 160039	1.5	3
32	Suburface application enhances benefits of manure redistribution. *Crops & Soils*, **2016**, 49, 48-51	0.3	0
31	Improved Simulation of Edaphic and Manure Phosphorus Loss in SWAT. *Journal of Environmental Quality*, **2016**, 45, 1215-25	3.4	39
30	Subsurface Application Enhances Benefits of Manure Redistribution. *Agricultural and Environmental Letters*, **2016**, 1, 150003	1.5	10
29	Navigating spatial and temporal complexity in developing a long-term land use database for an agricultural watershed. *Journal of Soils and Water Conservation*, **2015**, 70, 288-296	2.2	10
28	Predicting phosphorus dynamics in complex terrains using a variable source area hydrology model. *Hydrological Processes*, **2015**, 29, 588-601	3.3	40
27	A decade of conservation effects assessment research by the USDA Agricultural Research Service: Progress overview and future outlook. *Journal of Soils and Water Conservation*, **2014**, 69, 365-373	2.2	30
26	Optimizing ecosystem function by manipulating pasture community composition. *Basic and Applied Ecology*, **2013**, 14, 630-641	3.2	12
25	Integrated watershed- and farm-scale modeling framework for targeting critical source areas while maintaining farm economic viability. *Journal of Environmental Management*, **2013**, 114, 381-94	7.9	58
24	Topographic placement of management practices in riparian zones to reduce water quality impacts from pastures. *Landscape Ecology*, **2012**, 27, 1307-1319	4.3	19
23	U.S. Department of Agriculture Agricultural Research Service Mahantango Creek Watershed, Pennsylvania, United States: Physiography and history. *Water Resources Research*, **2011**, 47,	5.4	31
22	U.S. Department of Agriculture Agricultural Research Service Mahantango Creek Watershed, Pennsylvania, United States: Long-term precipitation database. *Water Resources Research*, **2011**, 47,	5.4	3
21	U.S. Department of Agriculture Agricultural Research Service Mahantango Creek Watershed, Pennsylvania, United States: Long-term stream discharge database. *Water Resources Research*, **2011** , 47,	5.4	2
20	U.S. Department of Agriculture Agricultural Research Service Mahantango Creek Watershed, Pennsylvania, United States: Long-term water quality database. *Water Resources Research*, **2011**, 47,	5.4	8

19	Environmental and economic comparisons of manure application methods in farming systems. *Journal of Environmental Quality*, **2011**, 40, 438-48	3.4	35
18	Parameter Sensitivity and Uncertainty in SWAT: A Comparison Across Five USDA-ARS Watersheds. *Transactions of the ASABE*, **2010**, 53, 1477-1486	0.9	28
17	Determination of Critical Source Areas for Phosphorus Loss: Lake Champlain Basin, Vermont. *Transactions of the ASABE*, **2010**, 53, 1595-1604	0.9	42
16	Improving Daily Water Yield Estimates in the Little River Watershed: SWAT Adjustments. *Transactions of the ASABE*, **2009**, 52, 69-79	0.9	20
15	Exploring economically and environmentally viable northeastern US dairy farm strategies for coping with rising corn grain prices. *Journal of Dairy Science*, **2009**, 92, 4086-99	4	10
14	Modeling a Small, Northeastern Watershed with Detailed, Field-Level Data. *Transactions of the ASABE*, **2008**, 51, 471-483	0.9	14
13	Suitability of SWAT for the Conservation Effects Assessment Project: Comparison on USDA Agricultural Research Service Watersheds. *Journal of Hydrologic Engineering - ASCE*, **2007**, 12, 173-189	1.8	240
12	Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. *Transactions of the ASABE*, **2007**, 50, 885-900	0.9	5512
11	Economic and phosphorus-related effects of precision feeding and forage management at a farm scale. *Journal of Dairy Science*, **2007**, 90, 3700-15	4	14
10	Perspectives on the potential for hydropedology to improve watershed modeling of phosphorus loss. *Geoderma*, **2006**, 131, 299-307	6.7	27
9	WATERSHED LEVEL BEST MANAGEMENT PRACTICE SELECTION AND PLACEMENT IN THE TOWN BROOK WATERSHED, NEW YORK1. *Journal of the American Water Resources Association*, **2006**, 42, 1565-1581	2.1	47
8	Quantifying the Effects of Phosphorus Control Best Management Practices **2006**, 351-381		4
7	WATERSHED SCALE MODELING OF CRITICAL SOURCE AREAS OF RUNOFF GENERATION AND PHOSPHORUS TRANSPORT1. *Journal of the American Water Resources Association*, **2005**, 41, 361-377	2.1	54
6	COMPARISON OF MEASURED AND SIMULATED PHOSPHORUS LOSSES WITH INDEXED SITE VULNERABILITY. *Transactions of the American Society of Agricultural Engineers*, **2005**, 48, 557-565		50
5	Evaluation of phosphorus transport in surface runoff from packed soil boxes. *Journal of Environmental Quality*, **2004**, 33, 1413-23	3.4	81
4	COST-EFFECTIVE BMP PLACEMENT: OPTIMIZATION VERSUS TARGETING. *Transactions of the American Society of Agricultural Engineers*, **2004**, 47, 1585-1594		56
3	FARM?LEVEL OPTIMIZATION OF BMP PLACEMENT FOR COST?EFFECTIVE POLLUTION REDUCTION. *Transactions of the American Society of Agricultural Engineers*, **2004**, 47, 1923-1931		88
2	OPTIMIZATION PROCEDURE FOR COST EFFECTIVE BMP PLACEMENT AT A WATERSHED SCALE1. *Journal of the American Water Resources Association*, **2003**, 39, 1331-1343	2.1	77

1	Netsim: Java-based simulation for the World Wide Web. *Computers and Operations Research*, **1999**, 26, 607-621	4.6	10