

Katrin Bieger

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

808
citations

623188

14
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to <sc>SWAT</sc>+, A Completely Restructured Version of the Soil and Water Assessment Tool. Journal of the American Water Resources Association, 2017, 53, 115-130.	1.0	205
2	Development and Evaluation of Bankfull Hydraulic Geometry Relationships for the Physiographic Regions of the United States. Journal of the American Water Resources Association, 2015, 51, 842-858.	1.0	68
3	Simulation of Streamflow and Sediment with the Soil and Water Assessment Tool in a Data Scarce Catchment in the Three Gorges Region, China. Journal of Environmental Quality, 2014, 43, 37-45.	1.0	56
4	The impact of land use change in the Xiangxi Catchment (China) on water balance and sediment transport. Regional Environmental Change, 2015, 15, 485-498.	1.4	53
5	A QGIS-based graphical user interface for application and evaluation of SWAT-MODFLOW models. Environmental Modelling and Software, 2019, 111, 493-497.	1.9	48
6	SWATMODâ€Prep: Graphical User Interface for Preparing Coupled SWATâ€MODFLOW Simulations. Journal of the American Water Resources Association, 2017, 53, 400-410.	1.0	47
7	Use of Decision Tables to Simulate Management in SWAT+. Water (Switzerland), 2018, 10, 713.	1.2	46
8	How to Constrain Multiâ€Objective Calibrations of the SWAT Model Using Water Balance Components. Journal of the American Water Resources Association, 2017, 53, 532-546.	1.0	39
9	Representing the Connectivity of Upland Areas to Floodplains and Streams in SWAT+. Journal of the American Water Resources Association, 2019, 55, 578-590.	1.0	36
10	Enhancing SWAT+ simulation of groundwater flow and groundwater-surface water interactions using MODFLOW routines. Environmental Modelling and Software, 2020, 126, 104660.	1.9	30
11	IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. Water (Switzerland), 2019, 11, 1681.	1.2	29
12	Evaluating the contribution of subsurface drainage to watershed water yield using SWAT+ with groundwater modeling. Science of the Total Environment, 2022, 802, 149962.	3.9	20
13	A New Physically-Based Spatially-Distributed Groundwater Flow Module for SWAT+. Hydrology, 2020, 7, 75.	1.3	19
14	Detailed spatial analysis of SWAT-simulated surface runoff and sediment yield in a mountainous watershed in China. Hydrological Sciences Journal, 0, , 1-17.	1.2	16
15	Development of a Cropland Management Dataset to Support U.S. Swat Assessments. Journal of the American Water Resources Association, 2016, 52, 269-274.	1.0	15
16	Representation of hydrological processes in a rural lowland catchment in Northern Germany using <sc>SWAT</sc> and <sc>SWAT</sc>+. Hydrological Processes, 2022, 36, .	1.1	15
17	Implications of Conceptual Channel Representation on <sc>SWAT</sc> Streamflow and Sediment Modeling. Journal of the American Water Resources Association, 2017, 53, 725-747.	1.0	13
18	Assessment of geo-hazards in a rapidly changing landscape: the three Gorges Reservoir Region in China. Environmental Earth Sciences, 2015, 74, 4939-4960.	1.3	12

#	ARTICLE	IF	CITATIONS
19	A hydrological approach to simulate streamflow and soil water contents with <scp>SWAT</scp>+. Hydrological Processes, 2021, 35, e14242.	1.1	12
20	Conceptual Framework of Connectivity for a National Agroecosystem Model Based on Transport Processes and Management Practices. Journal of the American Water Resources Association, 2021, 57, 154-169.	1.0	10
21	Development and Comparison of Multiple Regression Models to Predict Bankfull Channel Dimensions for Use in Hydrologic Models. Journal of the American Water Resources Association, 2016, 52, 1385-1400.	1.0	8
22	Development of a Hydrologic Connectivity Dataset for SWAT Assessments in the US. Water (Switzerland), 2017, 9, 892.	1.2	5
23	Featured Series Introduction: <scp>SWAT</scp> Applications for Emerging Hydrologic and Water Quality Challenges. Journal of the American Water Resources Association, 2017, 53, 67-68.	1.0	3
24	Distribution of Selected Soil and Water Conservation Practices in the <scp>U.S.</scp> as Identified with Google Earth. Journal of the American Water Resources Association, 2017, 53, 1229-1240.	1.0	2
25	Featured Series Conclusion: <scp>SWAT</scp> Applications for Emerging Hydrologic and Water Quality Challenges. Journal of the American Water Resources Association, 2017, 53, 1390-1392.	1.0	1