

Young Gu Her

List of Publications by Year in descending order

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71
papers

1,006
citations

471061

17
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476904

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all docs

73
docs citations

73
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncertainty in hydrological analysis of climate change: multi-parameter vs. multi-GCM ensemble predictions. <i>Scientific Reports</i> , 2019, 9, 4974.	1.6	152
2	Impact of the numbers of observations and calibration parameters on equifinality, model performance, and output and parameter uncertainty. <i>Hydrological Processes</i> , 2015, 29, 4220-4237.	1.1	99
3	Evaluation of random forest and regression tree methods for estimation of mass first flush ratio in urban catchments. <i>Journal of Hydrology</i> , 2019, 575, 1099-1110.	2.3	48
4	Biophysical and hydrological effects of future climate change including trends in CO ₂ , in the St. Joseph River watershed, Eastern Corn Belt. <i>Agricultural Water Management</i> , 2017, 180, 280-296.	2.4	44
5	Environmental variables influencing phytoplankton communities in hydrologically connected aquatic habitats in the Lake Xingkai basin. <i>Ecological Indicators</i> , 2018, 91, 1-12.	2.6	44
6	Hydrologic and water quality impacts and biomass production potential on marginal land. <i>Environmental Modelling and Software</i> , 2015, 72, 230-238.	1.9	41
7	Automatic Calibration Tool for Hydrologic Simulation Program-FORTRAN Using a Shuffled Complex Evolution Algorithm. <i>Water (Switzerland)</i> , 2015, 7, 503-527.	1.2	41
8	Effect of Watershed Subdivision and Filter Width on SWAT Simulation of a Coastal Plain Watershed. <i>Journal of the American Water Resources Association</i> , 2010, 46, 586-602.	1.0	35
9	A new framework for modeling decentralized low impact developments using Soil and Water Assessment Tool. <i>Environmental Modelling and Software</i> , 2017, 96, 305-322.	1.9	35
10	Responses of hydrological model equifinality, uncertainty, and performance to multi-objective parameter calibration. <i>Journal of Hydroinformatics</i> , 2018, 20, 864-885.	1.1	34
11	Threshold Effects in HRU Definition of the Soil and Water Assessment Tool. <i>Transactions of the ASABE</i> , 2015, , 367-378.	1.1	29
12	Estimating design floods based on the critical storm duration for small watersheds. <i>Journal of Hydro-Environment Research</i> , 2013, 7, 209-218.	1.0	28
13	Integrated sediment transport process modeling by coupling Soil and Water Assessment Tool and Environmental Fluid Dynamics Code. <i>Environmental Modelling and Software</i> , 2019, 116, 26-39.	1.9	28
14	Implications of spatial and temporal variations in effects of conservation practices on water management strategies. <i>Agricultural Water Management</i> , 2017, 180, 252-266.	2.4	27
15	Design of drainage culverts considering critical storm duration. <i>Biosystems Engineering</i> , 2009, 104, 425-434.	1.9	22
16	Simulink Implementation of a Hydrologic Model: A Tank Model Case Study. <i>Water (Switzerland)</i> , 2017, 9, 639.	1.2	22
17	Exploring parsimonious daily rainfall-runoff model structure using the hyperbolic tangent function and Tank model. <i>Journal of Hydrology</i> , 2019, 574, 574-587.	2.3	22
18	Two-dimensional continuous simulation of spatiotemporally varied hydrological processes using the time-area method. <i>Hydrological Processes</i> , 2016, 30, 751-770.	1.1	19

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19	Regionalization of a Rainfall-Runoff Model: Limitations and Potentials. <i>Water (Switzerland)</i> , 2019, 11, 2257.	1.2	18
20	Linking watershed modeling and bacterial source tracking to better assess E. coli sources. <i>Science of the Total Environment</i> , 2019, 648, 164-175.	3.9	17
21	Implications of Conceptual Channel Representation on <scp>SWAT</scp> Streamflow and Sediment Modeling. <i>Journal of the American Water Resources Association</i> , 2017, 53, 725-747.	1.0	13
22	Estimating Reservoir Inflow and Outflow From Water Level Observations Using Expert Knowledge: Dealing With an Ill-Posed Water Balance Equation in Reservoir Management. <i>Water Resources Research</i> , 2022, 58, .	1.7	11
23	Evaluating the performance of climate models in reproducing the hydrological characteristics of rainfall events. <i>Hydrological Sciences Journal</i> , 2020, 65, 1490-1511.	1.2	10
24	Lessons from Assessing Uncertainty in Agricultural Water Supply Estimation for Sustainable Rice Production. <i>Agronomy</i> , 2019, 9, 662.	1.3	9
25	Watershed Response to Legacy Phosphorus and Best Management Practices in an Impacted Agricultural Watershed in Florida, U.S.A.. <i>Land</i> , 2021, 10, 977.	1.2	9
26	Improvement of simulating sub-daily hydrological impacts of rainwater harvesting for landscape irrigation with rain barrels/cisterns in the SWAT model. <i>Science of the Total Environment</i> , 2021, 798, 149336.	3.9	9
27	Uncertainty in Regional Climate Change Impact Assessment using Bias-Correction Technique for Future Climate Scenarios. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2013, 55, 95-106.	0.1	9
28	Interpolating SRTM Elevation Data to Higher Resolution to Improve Hydrologic Analysis. <i>Journal of the American Water Resources Association</i> , 2015, 51, 1072-1087.	1.0	8
29	<scp>HYSTAR</scp> Sediment Model: Distributed Two-Dimensional Simulation of Watershed Erosion and Sediment Transport Using Time-Area Routing. <i>Journal of the American Water Resources Association</i> , 2016, 52, 376-396.	1.0	8
30	SWAT+ versus SWAT2012: Comparison of Sub-Daily Urban Runoff Simulations. <i>Transactions of the ASABE</i> , 2018, 61, 1287-1295.	1.1	8
31	Mapping the US Census Data Using the TIGER/Line Shapefiles. <i>Edis</i> , 2021, 2021, .	0.0	8
32	Development of a Component-Based Modeling Framework for Agricultural Water-Resource Management. <i>Water (Switzerland)</i> , 2016, 8, 351.	1.2	7
33	Comparing impacts of parameter and spatial data uncertainty for a grid-based distributed watershed model. <i>Journal of Hydroinformatics</i> , 2016, 18, 961-974.	1.1	7
34	Sensitivity of Simulated Conservation Practice Effectiveness to Representation of Field and In-Stream Processes in the Little River Watershed. <i>Environmental Modeling and Assessment</i> , 2017, 22, 159-173.	1.2	7
35	Assessing the Potential of Agricultural Reservoirs as the Source of Environmental Flow. <i>Water (Switzerland)</i> , 2021, 13, 508.	1.2	6
36	Immediate influences of a large dam construction on local storm event patterns and weather variables: a case study of the Three Gorges Project. <i>Weather</i> , 2020, 75, 99-103.	0.6	5

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37	Assessing the Effects of Irrigation Water Salinity on Two Ornamental Crops by Remote Spectral Imaging. <i>Agronomy</i> , 2021, 11, 375.	1.3	5
38	Application of Parallel Computing Methods for Improving Efficiency of Optimization in Hydrologic and Water Quality Modeling. <i>Applied Engineering in Agriculture</i> , 2015, , 455-468.	0.3	4
39	A simulation model for estimating root zone saturation indices of agricultural crops in a shallow aquifer and canal system. <i>Agricultural Water Management</i> , 2019, 220, 36-49.	2.4	4
40	Characteristics of Arsenic Leached from Sediments: Agricultural Implications of Abandoned Mines. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4628.	1.3	4
41	Uncertainty in Irrigation Return Flow Estimation: Comparing Conceptual and Physically-Based Parameterization Approaches. <i>Water (Switzerland)</i> , 2020, 12, 1125.	1.2	4
42	Alternative CN Averaging Methods for Determining the Representative CN of a Watershed. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, 06016004.	0.6	3
43	Characteristics of biochemical oxygen demand and chemical oxygen demand export from paddy fields during rainfall and non-rainfall periods. <i>Paddy and Water Environment</i> , 2019, 17, 165-175.	1.0	3
44	Curve Numbers for Rice Paddies with Different Water Management Practices in Korea. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, 06019003.	0.6	3
45	Evaluating the effectiveness of HOCl application on odor reduction and earthworm population growth during vermicomposting of food waste employing <i>Eisenia fetida</i> . <i>PLoS ONE</i> , 2019, 14, e0226229.	1.1	3
46	What Does Florida Weather during the Past 20 Years Look Like? Florida Weather Represented by the Florida Automated Weather Network (FAWN). <i>Edis</i> , 2020, 2020, .	0.0	3
47	Parallelization of a two-dimensional time-area watershed routing. <i>Environmental Modelling and Software</i> , 2021, 146, 105222.	1.9	3
48	Quantifying the contribution of direct runoff and baseflow to nitrogen loading in the Western Lake Erie Basins. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
49	Identification of Hydrologically Sensitive Areas Considering Watershed Process Dynamics. <i>Transactions of the ASABE</i> , 2018, 61, 1891-1906.	1.1	2
50	Evaluating the Applicability of Drainage Routing Schemes for Paddy Fields. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, 04020027.	0.6	2
51	Multi-Temporal Arable Land Monitoring in Arid Region of Northwest China Using a New Extraction Index. <i>Sustainability</i> , 2021, 13, 5274.	1.6	2
52	Assessing Applicability of SWAT Calibrated at Multiple Spatial Scales from Field to Stream. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2015, 57, 21-39.	0.1	2
53	Hurricane Impacts on Florida's Agriculture and Natural Resources. <i>Edis</i> , 2018, 2018, .	0.0	2
54	Regional-scale monitoring of underwater and dry ground subsidence in high phreatic areas of North China Plain. <i>PLoS ONE</i> , 2020, 15, e0237878.	1.1	1

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55	Estimating USLE Soil Erosion through GIS-based Decision Support System. Journal of the Korean Society of Agricultural Engineers, 2006, 48, 3-14.	0.1	1
56	Identifying feasible nonpoint source pollutant sampling intervals for watersheds with paddy field and urban land uses. Water Science and Technology: Water Supply, 2021, 21, 780-790.	1.0	1
57	Characteristics of chloride loading from urban and agricultural watersheds during storm and non-storm periods. Water Science and Technology: Water Supply, 2021, 21, 1567-1579.	1.0	1
58	Safe Salinity Levels for Irrigation of Two Ornamental Crops: Hibiscus and Mandevilla. Edis, 2022, 2022, .	0.0	1
59	A DESIGN FLOOD FORECASTING SYSTEM BASED ON THE CRITICAL STORM DURATION FOR HIGHWAY DRAINAGE FACILITIES. , 2005, , .		0
60	Trends and Patterns in Luangwa River Valley Fires 2003 ~ 2007. , 2008, , .		0
61	Assessment of interpolation methods for refining SRTM and DEM. , 2008, , .		0
62	A simple distributed overland and channel routing method for the Time-Area approach to develop direct runoff hydrograph. , 2010, , .		0
63	Publicly Available Geographic Information Sources and Common Analysis Tools. Edis, 2021, 2021, .	0.0	0
64	Evaluating Applicability of SRTM DEM (Shuttle Radar Topography Mission Digital Elevation Model) in Hydrologic Analysis: A Case Study of Geum River and Daedong River Areas. Journal of the Korean Society of Agricultural Engineers, 2013, 55, 101-112.	0.1	0
65	Evaluating Hydrologic Behavior of Hydrology Simulation using Time Area (HYSTAR) Model through Sensitivity Analysis. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 41-54.	0.1	0
66	Evaluating Applicability of Sediment Transport Capacity Equations through Sensitivity Analysis. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 79-90.	0.1	0
67	How Likely Is a 100-Year Rainfall Event During the Next Ten Years?. Edis, 2018, 2018, .	0.0	0
68	How Is Our Future Climate Projected?. Edis, 2020, 2020, .	0.0	0
69	How Are Our Future Agriculture and Natural Resources Projected under Varying Climate?. Edis, 2020, 2020, .	0.0	0
70	Online Sources for Sea Level Rise Education and Extension. Edis, 2020, 2020, .	0.0	0
71	Florida's Agricultural Carbon Economy as Climate Action: The Potential Role of Farmers and Ranchers. Edis, 2022, 2022, .	0.0	0