LARGE AREA HYDROLOGIC MODELING AND ASSESSM

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Citation Report

#	Article	IF	Citations
1	Hydrologic Modelling of the United States with the Soil and Water Assessment Tool. International Journal of Water Resources Development, 1998, 14, 315-325.	1.2	76
2	THE SENSITIVITY OF ADAPT MODEL PREDICTIONS OF STREAMFLOWS TO PARAMETERS USED TO DEFINE HYDROLOGIC RESPONSE UNITS. Transactions of the American Society of Agricultural Engineers, 1999, 42, 381-389.	0.9	26
3	ASSESSMENT OF IMPACTS OF CLIMATE CHANGE ON WATER QUALITY IN THE SOUTHEASTERN UNITED STATES. Journal of the American Water Resources Association, 1999, 35, 1539-1550.	1.0	43
4	SPATIAL AND TEMPORAL ANALYSIS OF AGRICULTURAL WATER REQUIREMENTS IN THE GULF COAST OF THE UNITED STATES. Journal of the American Water Resources Association, 1999, 35, 1585-1596.	1.0	19
5	Assessing regional impacts of change: linking economic and environmental models. Agricultural Systems, 2000, 63, 147-159.	3.2	21
6	Effect of apple production base on regional water cycle in Weibei upland of the Loess Plateau. Journal of Chinese Geography, 2001, 11, 239-243.	1.5	14
7	IMPACTS OF CLIMATE CHANGE ON MISSOURI RWER BASIN WATER YIELD. Journal of the American Water Resources Association, 2001, 37, 1119-1129.	1.0	91
8	MACROSCALE HYDROLOGIC MODELING FOR REGIONAL CLIMATE ASSESSMENT STUDIES IN THE SOUTHEASTERN UMTED STATES 1. Journal of the American Water Resources Association, 2001, 37, 709-722.	1.0	11
9	Hydrologic Response to land use changes on the catchment scale. Physics and Chemistry of the Earth, 2001, 26, 577-582.	0.3	305
10	Hydrological response to climate change in the Black Hills of South Dakota, USA. Hydrological Sciences Journal, 2001, 46, 27-40.	1.2	50
11	SENSITIVITY AND UNCERTAINTY ANALYSIS OF A DISTRIBUTED WATERSHED MODEL FOR THE TMDL PROCESS. Proceedings of the Water Environment Federation, 2002, 2002, 1229-1240.	0.0	4
12	Development of a snowfallâ€“snowmelt routine for mountainous terrain for the soil water assessment tool (SWAT). Journal of Hydrology, 2002, 262, 209-223.	2.3	285
13	Interannual and seasonal variability of modelled soil moisture in Oklahoma. International Journal of Climatology, 2003, 23, 1057-1086.	1.5	29
14	Environmental benefits and economic costs of manure incorporation on dairy waste application fields. Journal of Environmental Management, 2003, 68, 1-11.	3.8	38
15	A Methodology for Sensitivity Analysis in Complex Distributed Watershed Models. , 2003, , 1.		1
16	Modelling the effects of boreal forest landscape management upon streamflow and water quality: Basic concepts and considerations. Journal of Environmental Engineering and Science, 2003, 2, S87-S101.	0.3	27
17	SWAT Model Background and Application Reviews. , 2003, , .		5
18	Developing an Agricultural Drought Assessment System Using Hydrologic Model SWAT and GIS. , 2003, , .		0

#	Article	IF	Citations
19	Methodology for Analyzing Ranges of Uncertain Model Parameters and Their Impact on Total Maximum Daily Load Process. Journal of Environmental Engineering, ASCE, 2004, 130, 648-656.	0.7	34
20	EFFECT OF WATERSHED SUBDIVISION ON SWAT FLOW, SEDIMENT, AND NUTRIENT PREDICTIONS. Journal of the American Water Resources Association, 2004, 40, 811-825.	1.0	174
21	Comparison of a Subjective and a Physical Approach for Identification of Priority Areas for Soil and Water Management in a Watershed â€“ A Case Study of Nagwan Watershed in Hazaribagh District of Jharkhand, India. Environmental Modeling and Assessment, 2004, 9, 115-127.	1.2	20
22	Hydrological modelling of a small watershed using satellite data and gis technique. Journal of the Indian Society of Remote Sensing, 2004, 32, 145-157.	1.2	14
23	Hydrological modelling of a small watershed using generated rainfall in the soil and water assessment tool model. Hydrological Processes, 2004, 18, 1811-1821.	1.1	36
24	Simulating daily soil water under foothills fescue grazing with the soil and water assessment tool model (Alberta, Canada). Hydrological Processes, 2004, 18, 2787-2800.	1.1	53
25	Integration of linear programming and a watershed-scale hydrologic model for proposing an optimized land-use plan and assessing its impact on soil conservationâ€”A case study of the Nagwan watershed in the Hazaribagh district of Jharkhand, India. International Journal of Geographical Information Science, 2004, 18, 73-98.	2.2	18
26	Impacts of climate change on streamflow in the Upper Mississippi River Basin: A regional climate model perspective. Journal of Geophysical Research, 2004, 109, .	3.3	166
27	Evaluation of Long-Term Performance of Best Management Practices in Two Small Watersheds. Proceedings of the Water Environment Federation, 2005, 2005, 289-309.	0.0	0
28	Modelling of an Agricultural Watershed using Remote Sensing and a Geographic Information System. Biosystems Engineering, 2005, 90, 331-347.	1.9	36
29	CURVE NUMBER HYDROLOGY IN WATER QUALITY MODELING: USES, ABUSES, AND FUTURE DIRECTIONS. Journal of the American Water Resources Association, 2005, 41, 377-388.	1.0	199
30	Spatial Targeting of Conservation Tillage to Improve Water Quality and Carbon Retention Benefits. Canadian Journal of Agricultural Economics, 2005, 53, 477-500.	1.2	25
31	An analysis of high-flow sediment event data for evaluating model performance. Hydrological Processes, 2005, 19, 605-620.	1.1	32
32	Modelling the hydrology of a catchment using a distributed and a semi-distributed model. Hydrological Processes, 2005, 19, 573-587.	1.1	89
33	Development of effective management plan for critical subwatersheds using SWAT model. Hydrological Processes, 2005, 19, 809-826.	1.1	80
34	Assessment of the effects of land use patterns on hydrologic landscape functions: development of sustainable land use concepts for low mountain range areas. Hydrological Processes, 2005, 19, 659-672.	1.1	152
35	Evaluating the influence of landform, surficial geology, and land use on streams using hydrologic simulation modeling. Aquatic Sciences, 2005, 67, 528-540.	0.6	20
36	ESTIMATION OF LONG-TERM SOIL MOISTURE USING A DISTRIBUTED PARAMETER HYDROLOGIC MODEL AND VERIFICATION USING REMOTELY SENSED DATA. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1101-1113.	0.9	59

#	Article	IF	Citations
37	Web-based GIS and spatial decision support system for watershed management. Journal of Hydroinformatics, 2005, 7, 165-174.	1.1	62
38	EVALUATION OF THE SWAT MODELÂ'S SNOWMELT HYDROLOGY IN A NORTHWESTERN MINNESOTA WATERSHED. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1359-1376.	0.9	125
39	Calibration and Validation of Soil and Water Assessment Tool on an Agricultural Watershed in Upstate New York. Journal of Hydrologic Engineering - ASCE, 2005, 10, 363-374.	0.8	90
40	Assessment of Sediment Yields for a Mixed-landuse Great Lakes Watershed: Lessons from Field Measurements and Modeling. Journal of Great Lakes Research, 2006, 32, 471-488.	0.8	9
41	Extension of the Representative Elementary Watershed approach for cold regions via explicit treatment of energy related processes. Hydrology and Earth System Sciences, 2006, 10, 619-644.	1.9	66
42	Nitrate pollution risk assessment: from the model to the indicator. International Journal of Agricultural Resources, Governance and Ecology, 2006, 5, 206.	0.1	7
43	An integrated hydrological, ecological, and economical (HEE) modeling system for assessing water resources and ecosystem production: calibration and validation in the upper and middle parts of the Yellow River Basin, China. , 2006, , .		1
44	ROLE OF WATERSHED SUBDIVISION ON MODELING THE EFFECTIVENESS OF BEST MANAGEMENT PRACTICES WITH SWAT. Journal of the American Water Resources Association, 2006, 42, 513-528.	1.0	149
45	CLIMATE CHHANGE SENSITIVITY ASSESSMENT ON UPPER MISSISSIPPI RIVER BASIN STREAMFLOWS USING SWAT. Journal of the American Water Resources Association, 2006, 42, 997-1015.	1.0	173
46	Effect of watershed subdivision on simulation of water balance components. Hydrological Processes, 2006, 20, 1137-1156.	1.1	82
47	Multi-variable and multi-site calibration and validation of SWAT in a large mountainous catchment with high spatial variability. Hydrological Processes, 2006, 20, 1057-1073.	1.1	189
48	The Soil and Water Assessment Tool: Historical Development, Applications, and Future Research Directions. Transactions of the ASABE, 2007, 50, 1211-1250.	1.1	1,979
49	MODELING PHOSPHORUS LOADING IN AN URBAN DRINKING WATER SOURCE WATERSHED. Proceedings of the Water Environment Federation, 2007, 2007, 5666-5677.	0.0	0
50	Sensitivity Analysis of Model Predictions for Phosphorus Transport in Watersheds. , 2007, , .		0
51	Simulation de lâ€™effet de changements de pratiques agricoles sur la qualitÃ© des eaux avec le modÃ¨le SWAT. Revue Des Sciences De L'Eau, 0, 20, 395-408.	0.2	10
52	Comment on Cao W, Bowden BW, Davie T, Fenemor A. 2006. â€˜Multi-variable and multi-site calibration and validation of SWAT in a large mountainous catchment with high spatial variabilityâ€™.Hydrological Processes 20(5): 1057-1073. Hydrological Processes, 2007, 21, 3226-3228.	1.1	17
53	Parameter estimation in semi-distributed hydrological catchment modelling using a multi-criteria objective function. Hydrological Processes, 2007, 21, 2998-3008.	1.1	49
54	Evaluation of landscape and instream modeling to predict watershed nutrient yields. Environmental Modelling and Software, 2007, 22, 987-999.	1.9	38

#	Article	IF	Citations
55	The Automated Geospatial Watershed Assessment tool. Environmental Modelling and Software, 2007, 22, 365-377.	1.9	124
56	EFFECTS OF STATSGO AND SSURGO AS INPUTS ON SWAT MODEL'S SNOWMELT SIMULATION1. Journal of the American Water Resources Association, 2007, 42, 1217-1236.	1.0	21
57	Calibration and Validation of ADAPT and SWAT for Field-Scale Runoff Prediction. Journal of the American Water Resources Association, 2007, 43, 899-910.	1.0	32
58	Modeling Hydrology in a Small Rocky Mountain Watershed Serving Large Urban Populations. Journal of the American Water Resources Association, 2007, 43, 875-887.	1.0	25
59	A Stream Network Model for Integrated Watershed Modeling. Environmental Modeling and Assessment, 2008, 13, 291-303.	1.2	16
60	Loss coefficient of nitrogenous non-point source pollution under various precipitation conditions. Frontiers of Environmental Science and Engineering in China, 2008, 2, 230-235.	0.8	2
61	Runoff Simulation of the Headwaters of the Yellow River Using The SWAT Model With Three Snowmelt Algorithms¹. Journal of the American Water Resources Association, 2008, 44, 48-61.	1.0	135
62	Integrated Modular Modeling of Water and Nutrients From Point and Nonpoint Sources in the Patuxent River Watershed¹. Journal of the American Water Resources Association, 2008, 44, 700-723.	1.0	10
63	Hydrologic Calibration and Validation of SWAT in a Snowâ€Dominated Rocky Mountain Watershed, Montana, U.S.A.¹. Journal of the American Water Resources Association, 2008, 44, 1411-1430.	1.0	104
64	Calibration of a distributed hydrological model based on satellite evapotranspiration. Journal of Hydrology, 2008, 349, 411-424.	2.3	284
65	Estimation of freshwater availability in the West African sub-continent using the SWAT hydrologic model. Journal of Hydrology, 2008, 352, 30-49.	2.3	286
66	Hydrologic impacts of engineering projects on the Tigrisâ€“Euphrates system and its marshlands. Journal of Hydrology, 2008, 353, 59-75.	2.3	58
67	Modeling blue and green water availability in Africa. Water Resources Research, 2008, 44, .	1.7	281
69	Spatial Distributions and Stochastic Parameter Influences on SWAT Flow and Sediment Predictions. Journal of Hydrologic Engineering - ASCE, 2008, 13, 258-269.	0.8	47
70	Can payments for ecosystem services secure the water tower of Tibet?. Agricultural Systems, 2008, 96, 52-63.	3.2	55
71	Integrating remote sensing and a process-based hydrological model to evaluate water use and productivity in a south Indian catchment. Agricultural Water Management, 2008, 95, 11-24.	2.4	105
72	Spatial Variability and Persistence of Soil Moisture in Oklahoma. Physical Geography, 2008, 29, 121-139.	0.6	4
73	Simulation of an Agricultural Watershed Using an Improved Curve Number Method in SWAT. Transactions of the ASABE, 2008, 51, 1323-1339.	1.1	30

#	Article	IF	Citations
74	Using Hydrologic Equivalent Wetland Concept Within SWAT to Estimate Streamflow in Watersheds with Numerous Wetlands. Transactions of the ASABE, 2008, 51, 55-72.	1.1	91
75	Watershed-Scale Crop Type Classification Using Seasonal Trends in Remote Sensing-Derived Vegetation Indices. Transactions of the ASABE, 2009, 52, 1535-1544.	1.1	4
76	Future of Drylands â€“ An Overview of Evaluation and Impact Assessment Tools for Water Harvesting. , 2008, , 255-267.		3
77	Climate change sensitivity assessment of a highly agricultural watershed using SWAT. Journal of Hydrology, 2009, 374, 16-29.	2.3	282
78	Response of hydrological processes to landâ€cover and climate changes in Kejie watershed, southâ€west China. Hydrological Processes, 2009, 23, 1179-1191.	1.1	162
79	Spatial delineation of soil erosion vulnerability in the Lake Tana Basin, Ethiopia. Hydrological Processes, 2009, 23, 3738-3750.	1.1	119
80	Modelling Impacts of Land Cover Change on Critical Water Resources in the Motueka River Catchment, New Zealand. Water Resources Management, 2009, 23, 137-151.	1.9	67
81	Evaluation of effective management plan for an agricultural watershed using AVSWAT model, remote sensing and GIS. Environmental Geology, 2009, 56, 993-1008.	1.2	13
82	Quantifying Potential Recharge in Mantled Sinkholes Using ERT. Ground Water, 2009, 47, 370-381.	0.7	12
83	Modeling the Spatially Varying Water Balance Processes in a Semiarid Mountainous Watershed of Idaho¹. Journal of the American Water Resources Association, 2009, 45, 1390-1408.	1.0	29
84	Modeling the effects of riparian buffer zone and contour strips on stream water quality. Ecological Engineering, 2009, 35, 1167-1177.	1.6	89
85	Modeling watershed-scale sequestration of soil organic carbon for carbon credit programs. Applied Geography, 2009, 29, 488-500.	1.7	21
86	Simulated wetland conservation-restoration effects on water quantity and quality at watershed scale. Journal of Environmental Management, 2010, 91, 1511-1525.	3.8	58
87	Regional soil moisture simulation for Shaanxi Province using SWAT model validation and trend analysis. Science China Earth Sciences, 2010, 53, 575-590.	2.3	25
88	Parameters optimization based on the combination of localization and auto-calibration of SWAT model in a small watershed in Chinese Loess Plateau. Frontiers of Earth Science, 2010, 4, 296-310.	0.5	16
89	Influence of Scale on SWAT Model Calibration for Streamflow in a River Basin in the Humid Tropics. Water Resources Management, 2010, 24, 4567-4578.	1.9	63
90	Simulation of land useâ€“soil interactive effects on water and sediment yields at watershed scale. Ecological Engineering, 2010, 36, 328-344.	1.6	34
91	Incorporating Affects of Raised Roads into Hydrology Model to Improve Simulation of Low-Relief Watershed. , 2010, , .		0

#	Article	IF	Citations
92	Notice of Retraction: Hydrologic impact of climate change on the Mississippi River. , 2010, , .		0
93	A study on the impact of climate change on streamflow at the watershed scale in the humid tropics. Hydrological Sciences Journal, 2011, 56, 946-965.	1.2	38
94	Modelling and prediction of soil water contents at field capacity and permanent wilting point of dryland cropping soils. Soil Research, 2011, 49, 389.	0.6	62
95	Monitoring global land surface drought based on a hybrid evapotranspiration model. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 447-457.	1.4	36
96	Use of SAR data for hydro-morphological characterization in sub-Saharan Africa: a case study. , 2011, , .		0
97	Evaluating the SWAT Model for Hydrological Modeling in the Xixian Watershed and a Comparison with the XAJ Model. Water Resources Management, 2011, 25, 2595-2612.	1.9	101
98	Surface runoff and soil erosion estimation using the SWAT model in the Keleta Watershed, Ethiopia. Land Degradation and Development, 2011, 22, 551-564.	1.8	79
99	Improved methods for estimating monthly and growing season ET using METRIC applied to moderate resolution satellite imagery. Hydrological Processes, 2011, 25, 4028-4036.	1.1	28
100	Simulating Hydrologic Effects of Raised Roads within a Low-Relief Watershed. Journal of Hydrologic Engineering - ASCE, 2011, 16, 585-597.	0.8	6
101	Hydrological impacts of inflow and land-use changes in the Gorai River catchment, Bangladesh. Water International, 2011, 36, 357-369.	0.4	11
102	The modified SWAT model for predicting fecal coliforms in the Wachusett Reservoir Watershed, USA. Water Research, 2012, 46, 4750-4760.	5.3	76
103	Comparison of soil and water assessment tool (SWAT) and multilayer perceptron (MLP) artificial neural network for predicting sediment yield in the Nagwa agricultural watershed in Jharkhand, India. Agricultural Water Management, 2012, 104, 113-120.	2.4	95
104	Quantitative simulation tools to analyze up- and downstream interactions of soil and water conservation measures: Supporting policy making in the Green Water Credits program of Kenya. Journal of Environmental Management, 2012, 111, 187-194.	3.8	36
105	Land use scenario development as a tool for watershed management within the Rio Mannu Basin. Land Use Policy, 2012, 29, 691-701.	2.5	53
106	Hydrological impacts of mesquite encroachment in the upper San Pedro watershed. Journal of Arid Environments, 2012, 82, 147-155.	1.2	28
107	Effects of urbanization on streamflow using SWAT with real and simulated meteorological data. Applied Geography, 2012, 35, 174-190.	1.7	59
108	SWAT application in intensive irrigation systems: Model modification, calibration and validation. Journal of Hydrology, 2012, 470-471, 227-238.	2.3	105
109	Rethinking Development Models and Irrigation Projects in Nepal. Hydro Nepal: Journal of Water, Energy & Environment, 2012, , 112-120.	0.1	0

#	Article	IF	Citations
110	Effect of reforestation on nitrogen and phosphorus dynamics in the catchment ecosystems of subtropical China: the example of the Hanjiang River basin. Journal of the Science of Food and Agriculture, 2012, 92, 1119-1129.	1.7	17
111	A remote sensing contribution to hydrologic modelling in arid and inaccessible watersheds, Pishin Lora basin, Pakistan. Hydrological Processes, 2012, 26, 85-99.	1.1	21
112	Assessing impacts of agricultural water interventions in the Kothapally watershed, Southern India. Hydrological Processes, 2012, 26, 387-404.	1.1	98
113	Modelling the rainfallâ€“runoff process of the Mara River basin using the Soil and Water Assessment Tool. Hydrological Processes, 2012, 26, 4038-4049.	1.1	74
114	SPATIAL MAPPING OF AGRICULTURAL WATER PRODUCTIVITY USING THE SWAT MODEL IN UPPER BHIMA CATCHMENT, INDIA. Irrigation and Drainage, 2012, 61, 60-79.	0.8	74
115	Assessment of Future Climate Change Impacts on Water Resources of Upper Sind River Basin, India Using SWAT Model. Water Resources Management, 2013, 27, 3647-3662.	1.9	146
116	The Contribution of the Geospatial Information to the Hydrological Modelling of a Watershed with Reservoirs: Case of Low Oum Er Rbiaa Basin (Morocco). Journal of Geographic Information System, 2013, 05, 258-268.	0.3	3
117	Assessing Sediment Yield for Selected Watersheds in the Laurentian Great Lakes Basin Under Future Agricultural Scenarios. Environmental Management, 2013, 51, 59-69.	1.2	12
118	Remote Sensing of Soil and Water Quality in Agroecosystems. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	17
119	The Impact of El NiÃ±o/Southern Oscillation on Hydrology and Rice Productivity in the Cauvery Basin, India: Application of the Soil and Water Assessment Tool. Weather and Climate Extremes, 2013, 2, 39-47.	1.6	34
120	Application of a SWAT Model for Hydrological Modeling in the Xixian Watershed, China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1522-1529.	0.8	26
121	Alternative Land-Use Method for Spatially Informed Watershed Management Decision Making Using SWAT. Journal of Environmental Engineering, ASCE, 2013, 139, 1413-1423.	0.7	11
122	Efficient multi-objective calibration of a computationally intensive hydrologic model with parallel computing software in Python. Environmental Modelling and Software, 2013, 46, 208-218.	1.9	78
123	Opportunities to Build Groundwater Resilience in the Semiâ€Arid Tropics. Ground Water, 2013, 51, 679-691.	0.7	16
124	OpenMI-based integrated sediment transport modelling of the river Zenne, Belgium. Environmental Modelling and Software, 2013, 47, 193-206.	1.9	57
125	Effects of Land-Use and Climate Change on Hydrological Processes in the Upstream of Huai River, China. Water Resources Management, 2013, 27, 1263-1278.	1.9	94
126	Assessing the impact of future climate change on groundwater recharge in Galicia-Costa, Spain. Hydrogeology Journal, 2013, 21, 459-479.	0.9	44
127	Erosivity, surface runoff, and soil erosion estimation using GIS-coupled runoffâ€“erosion model in the Mamuaba catchment, Brazil. Environmental Monitoring and Assessment, 2013, 185, 8977-8990.	1.3	27

#	Article	IF	Citations
128	Hydrologic Response to Land Use and Land Cover Changes within the Context of Catchment-Scale Spatial Information. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1539-1548.	0.8	21
129	Three perceptions of the evapotranspiration landscape: comparing spatial patterns from a distributed hydrological model, remotely sensed surface temperatures, and sub-basin water balances. Hydrology and Earth System Sciences, 2013, 17, 2947-2966.	1.9	22
130	Fate of nutrients in the aquatic continuum of the Seine River and its estuary: modelingÂthe impacts of human activity changes in the watershed. , 0, , 606-628.		5
131	Identification of catchment functional units by time series of thermal remote sensing images. Hydrology and Earth System Sciences, 2014, 18, 5345-5359.	1.9	10
132	Assessing the performance and uncertainty analysis of the SWAT and RBNN models for simulation of sediment yield in the Nagwa watershed, India. Hydrological Sciences Journal, 2014, 59, 351-364.	1.2	50
133	Modelling the impact of climate change on sediment yield in a highly erodible Mediterranean catchment. Journal of Soils and Sediments, 2014, 14, 1921-1937.	1.5	44
134	Evaluation of soil and water conservation measures in a semiâ€arid river basin in Tunisia using <scp>SWAT</scp>. Soil Use and Management, 2014, 30, 539-549.	2.6	46
135	Spatial Quantification of Groundwater Abstraction in the Irrigated Indus Basin. Ground Water, 2014, 52, 25-36.	0.7	129
136	Application of SWAT Model for Hydrologic and Water Quality Modeling in Thachin River Basin, Thailand. Arabian Journal for Science and Engineering, 2014, 39, 1671-1684.	1.1	11
137	The impact of watershed management on coastal morphology: A case study using an integrated approach and numerical modeling. Geomorphology, 2014, 211, 52-63.	1.1	28
138	Pesticide transfer models in crop and watershed systems: a review. Agronomy for Sustainable Development, 2014, 34, 229-250.	2.2	47
139	Including cultural water requirements in environmental flow assessment: an example from the upper Ganga River, India. Water International, 2014, 39, 81-96.	0.4	41
140	The Projected Impact of Climate Change on Water Availability and Development in the Koshi Basin, Nepal. Mountain Research and Development, 2014, 34, 118-130.	0.4	69
141	Hydrological Modeling to Identify and Manage Critical Erosion-Prone Areas for Improving Reservoir Life: Case Study of Barakar Basin. Journal of Hydrologic Engineering - ASCE, 2014, 19, 196-204.	0.8	12
142	Modeling the impact of climate change on sediment transport and morphology in coupled watershed-coast systems: A case study using an integrated approach. International Journal of Sediment Research, 2014, 29, 304-315.	1.8	33
143	Uncertainties in SWAT extreme flow simulation under climate change. Journal of Hydrology, 2014, 515, 205-222.	2.3	86
144	Development and validation of a basin scale model PCPF-1@SWAT for simulating fate and transport of rice pesticides. Journal of Hydrology, 2014, 517, 146-156.	2.3	29
145	Forcing Hydrologic Models with GCM Output: Bias Correction vs. the "Delta Change" Method. , 2014, , .		5

#	Article	IF	Citations
146	Application of semiâ€distributed hydrological model for basin level water balance of the Ken basin of Central India. Hydrological Processes, 2014, 28, 4119-4129.	1.1	51
147	A stemâ€branch topological codification for watershed subdivision and identification to support distributed hydrological modelling at large river basins. Hydrological Processes, 2014, 28, 2074-2081.	1.1	4
148	Discharge and waterâ€depth estimates for ungauged rivers: Combining hydrologic, hydraulic, and inverse modeling with stage and waterâ€area measurements from satellites. Water Resources Research, 2015, 51, 6017-6035.	1.7	45
149	ArcSWAT Modeling Analysis for Post-Wildfire Logging Impacts on Sediment and Water Yields at Salmon-Challis National Forest, Idaho, USA. , 2015, , .		1
150	An eco-hydrological assessment method for temporary rivers. The Celone and Salsola rivers case study (SE, Italy). Annales De Limnologie, 2015, 51, 1-10.	0.6	13
151	Modeling Water-Quality Loads to the Reservoirs of the Upper Trinity River Basin, Texas, USA. Water (Switzerland), 2015, 7, 5689-5704.	1.2	7
152	Assessing the impacts of climate and land use and land cover change on the freshwater availability in the Brahmaputra River basin. Journal of Hydrology: Regional Studies, 2015, 3, 285-311.	1.0	128
153	Assessing the significance of wetland restoration scenarios on sediment mitigation plan. Ecological Engineering, 2015, 77, 103-113.	1.6	18
154	Parameter identification and uncertainty analysis for simulating streamflow in a river basin of Eastern India. Hydrological Processes, 2015, 29, 3744-3766.	1.1	55
155	Characteristic and Role ofÂGroundwater in the Critical Zone. Developments in Earth Surface Processes, 2015, 19, 295-318.	2.8	1
156	Spatial Mapping of Agricultural Water Productivity Using the SWAT Model. Journal of the Institution of Engineers (India): Series A, 2015, 96, 85-98.	0.6	2
157	Impacts of Near-Term Climate Change and Population Growth on Within-Year Reservoir Systems. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	23
158	The Water Metabolism of Socioâ€Ecological Systems: Reflections and a Conceptual Framework. Journal of Industrial Ecology, 2015, 19, 853-865.	2.8	30
159	Assessing flow regime alterations in a temporary river â€“ the River Celone case study. Journal of Hydrology and Hydromechanics, 2015, 63, 263-272.	0.7	14
160	Improved Simulation of Peak Flows under Climate Change: Postprocessing or Composite Objective Calibration?. Journal of Hydrometeorology, 2015, 16, 2187-2208.	0.7	20
161	Streamflow data assimilation in SWAT model using Extended Kalman Filter. Journal of Hydrology, 2015, 531, 671-684.	2.3	35
162	Understanding the Spatiotemporal Variability of Hydrological Processes for Integrating Watershed Management and Environmental Public Health in the Great River Basin, Jamaica. , 2015, , 533-561.		0
163	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. Water Resources Management, 2015, 29, 1467-1487.	1.9	18

#	Article	IF	Citations
164	Environmental data gaps in Black Sea catchment countries: INSPIRE and GEOSS State of Play. Environmental Science and Policy, 2015, 46, 13-25.	2.4	15
165	The Hydrological Status Concept: Application at a Temporary River (Candelaro, Italy). River Research and Applications, 2015, 31, 892-903.	0.7	39
166	Investigating Alternative Climate Data Sources for Hydrological Simulations in the Upstream of the Amu Darya River. Water (Switzerland), 2016, 8, 441.	1.2	28
167	Accuracy of grid precipitation data for Brazil: application in river discharge modelling of the Tocantins catchment. Hydrological Processes, 2016, 30, 1419-1430.	1.1	40
168	Hydrologic Impacts, Spatial Simulation. , 2016, , 1-8.		0
169	Validation of a mesoscale hydrological model in a small-scale forested catchment. Hydrology Research, 2016, 47, 27-41.	1.1	5
170	Multimodel Approach Using Neural Networks and Symbolic Regression to Combine the Estimated Discharges of Rainfall-Runoff Models. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	12
171	Development and evaluation of targeted marginal land mapping approach in SWAT model for simulating water quality impacts of selected second generation biofeedstock. Environmental Modelling and Software, 2016, 81, 26-39.	1.9	20
172	Introducing a new open source GIS user interface for the SWAT model. Environmental Modelling and Software, 2016, 85, 129-138.	1.9	149
173	Uncertainty in flow and sediment projections due to future climate scenarios for the 3S Rivers in the Mekong Basin. Journal of Hydrology, 2016, 540, 1088-1104.	2.3	80
174	Hydrological modelling of changes in the water balance due to the impact of woody biomass production in the North German Plain. Environmental Earth Sciences, 2016, 75, 1.	1.3	8
175	Simultaneous assimilation of in situ soil moisture and streamflow in the SWAT model using the Extended Kalman Filter. Journal of Hydrology, 2016, 543, 671-685.	2.3	23
176	Impacts of DEM uncertainties on critical source areas identification for non-point source pollution control based on SWAT model. Journal of Hydrology, 2016, 540, 355-367.	2.3	60
177	Modeling Stream Flow with Prediction Uncertainty by Using SWAT Hydrologic and RBNN Models for an Agricultural Watershed in India. The National Academy of Sciences, India, 2016, 39, 213-216.	0.8	1
178	Modelling the effect of riparian vegetation restoration on sediment transport in a humanâ€impacted Brazilian catchment. Ecohydrology, 2016, 9, 1289-1303.	1.1	29
179	Past and future variability in the hydrological regime of the Koshi Basin, Nepal. Hydrological Sciences Journal, 2016, 61, 79-93.	1.2	32
180	Climate change impact assessment on hydrology of a small watershed using semi-distributed model. Applied Water Science, 2017, 7, 2029-2041.	2.8	37
181	Assessment of climate change impact on water diversion strategies of Melamchi Water Supply Project in Nepal. Theoretical and Applied Climatology, 2017, 128, 311-323.	1.3	27

#	Article	IF	Citations
182	Glacier mass balance simulation using SWAT distributed snow algorithm. Hydrological Sciences Journal, 2017, 62, 546-560.	1.2	28
183	Urbanization impacts on surface runoff of the contiguous United States. Journal of Environmental Management, 2017, 187, 470-481.	3.8	109
184	A discontinuous finite element suspended sediment transport model for water quality assessments in river networks. Hydrological Processes, 2017, 31, 1804-1816.	1.1	4
185	Hydrological simulation of a small ungauged agricultural watershed Semrakalwana of Northern India. Applied Water Science, 2017, 7, 2803-2815.	2.8	17
186	Hydrology under climate change in a temporary river system: Potential impact on water balance and flow regime. River Research and Applications, 2017, 33, 1219-1232.	0.7	46
187	Hydrological simulation of the Betwa River basin (India) using the SWAT model. Hydrological Sciences Journal, 2017, 62, 960-978.	1.2	36
188	SWAT manual calibration and parameters sensitivity analysis in a semi-arid watershed in North-western Morocco. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	34
189	Evaluating the impacts of climate and land-use change on the hydrology and nutrient yield in a transboundary river basin: A case study in the 3S River Basin (Sekong, Sesan, and Srepok). Science of the Total Environment, 2017, 576, 586-598.	3.9	82
190	Simulating ecologically relevant hydrological indicators in a temporary river system. Agricultural Water Management, 2017, 180, 194-204.	2.4	43
191	Data Assimilation for Streamflow Forecasting: Stateâ€“Parameter Assimilation versus Output Assimilation. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	9
192	Testing the SWAT Model with Gridded Weather Data of Different Spatial Resolutions. Water (Switzerland), 2017, 9, 54.	1.2	29
193	Hydrological Modeling of Highly Glacierized Basins (Andes, Alps, and Central Asia). Water (Switzerland), 2017, 9, 111.	1.2	19
194	Hydrological modeling in the Manas River Basin using soil and water assessment tool driven by CMADS. Tehnicki Vjesnik, 2017, 24, .	0.3	14
195	The development of land use planning scenarios based on land suitability and its influences on eco-hydrological responses in the upstream of the Huaihe River basin. Ecological Modelling, 2018, 373, 53-67.	1.2	35
196	Investigation of impacts of land use/land cover change on water availability of Tons River Basin, Madhya Pradesh, India. Modeling Earth Systems and Environment, 2018, 4, 295-310.	1.9	66
197	Quantitative study of the crop production water footprint using the SWAT model. Ecological Indicators, 2018, 89, 1-10.	2.6	65
198	Modified Channel-Routing Scheme for SWAT Model. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	5
199	Sediment Yield Potential in South Africa's Only Large River Network without a Dam: Implications for Water Resource Management. Land Degradation and Development, 2018, 29, 765-775.	1.8	26

#	Article	IF	Citations
200	Optimizing best management practices for nutrient pollution control in a lake watershed under uncertainty. Ecological Indicators, 2018, 92, 288-300.	2.6	33
201	Land use change uncertainty impacts on streamflow and sediment projections in areas undergoing rapid development: A case study in the Mekong Basin. Land Degradation and Development, 2018, 29, 835-848.	1.8	39
202	Long-term streamflow forecasting using SWAT through the integration of the random forests precipitation generator: case study of Danjiangkou Reservoir. Hydrology Research, 2018, 49, 1513-1527.	1.1	50
203	Computationally Efficient Multivariate Calibration and Validation of a Grid-Based Hydrologic Model in Sparsely Gauged West African River Basins. Water (Switzerland), 2018, 10, 1418.	1.2	23
204	Effect of GIS parameters on modelling runoff from river basin. The case study of catchment in the Puck District. E3S Web of Conferences, 2018, 63, 00005.	0.2	4
205	Application of Data Fusion for Uncertainty and Sensitivity Analysis of Water Quality in the Shenandoah River. International Journal of Applied Geospatial Research, 2018, 9, 31-54.	0.2	0
206	LAND-USE CHANGE IMPACTS ON THE HYDROLOGY OF THE UPPER GRANDE RIVER BASIN, BRAZIL. Cerne, 2018, 24, 334-343.	0.9	21
207	SWAT Modeling of Non-Point Source Pollution in Depression-Dominated Basins under Varying Hydroclimatic Conditions. International Journal of Environmental Research and Public Health, 2018, 15, 2492.	1.2	24
208	Assessing the Importance of Potholes in the Canadian Prairie Region under Future Climate Change Scenarios. Water (Switzerland), 2018, 10, 1657.	1.2	19
209	Correction and Informed Regionalization of Precipitation Data in a High Mountainous Region (Upper) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	34
210	Development of SWAT-Paddy for Simulating Lowland Paddy Fields. Sustainability, 2018, 10, 3246.	1.6	15
211	Evaluating the Effects of Watershed Size on SWAT Calibration. Water (Switzerland), 2018, 10, 898.	1.2	20
212	High-spatial-resolution streamflow estimation at ungauged river sites or gauged sites with missing data using the National Hydrography Dataset (NHD) and U.S. Geological Survey (USGS) streamflow data. Journal of Hydrology, 2018, 565, 819-834.	2.3	2
213	Monthly Hydrological Indicators to Assess Possible Alterations on Riversâ€™ Flow Regime. Water Resources Management, 2018, 32, 3687-3706.	1.9	14
214	Satellite observations and modeling to understand the Lower Mekong River Basin streamflow variability. Journal of Hydrology, 2018, 564, 559-573.	2.3	59
215	Multi-Objective Validation of SWAT for Sparsely-Gauged West African River Basinsâ€"A Remote Sensing Approach. Water (Switzerland), 2018, 10, 451.	1.2	30
216	Impact of Land Use Change on Flow and Sediment Yields in the Khokana Outlet of the Bagmati River, Kathmandu, Nepal. Hydrology, 2018, 5, 22.	1.3	20
217	Improved Hydrological Decision Support System for the Lower Mekong River Basin Using Satellite-Based Earth Observations. Remote Sensing, 2018, 10, 885.	1.8	59

#	Article	IF	Citations
218	Separating Wet and Dry Years to Improve Calibration of SWAT in Barrett Watershed, Southern California. Water (Switzerland), 2018, 10, 274.	1.2	24
219	A Hybrid Model for Annual Runoff Time Series Forecasting Using Elman Neural Network with Ensemble Empirical Mode Decomposition. Water (Switzerland), 2018, 10, 416.	1.2	31
220	A Sensitivity Analysis of Impacts of Conservation Practices on Water Quality in Lâ€™Anguille River Watershed, Arkansas. Water (Switzerland), 2018, 10, 443.	1.2	9
221	Impact of Land Use Change on Hydrologic Processes in a Large Plain Irrigation District. Water Resources Management, 2018, 32, 3203-3217.	1.9	21
222	Runoff Estimation by Using Optimized Hydrological Parameters with Special Reference to Semi-arid Agriculture Watershed. Springer Series in Geomechanics and Geoengineering, 2019, , 291-308.	0.0	0
223	Assessment and planning for integrated river basin management using remote sensing, SWAT model and morphometric analysis (case study: Kaddam river basin, India). Geocarto International, 2019, 34, 1332-1362.	1.7	15
224	Quantifying effects of conservation practices on non-point source pollution in the Miyun Reservoir Watershed, China. Environmental Monitoring and Assessment, 2019, 191, 582.	1.3	33
225	Assessing the impacts of climate change on dependable flow and potential irrigable area using the SWAT model. The case of Maasin River watershed in Laguna, Philippines. Journal of Agricultural Engineering, 2019, 50, 88-98.	0.7	3
226	Evaluating the spatial scaling effect of baseflow and baseflow nonpoint source pollution in a nested watershed. Journal of Hydrology, 2019, 579, 124221.	2.3	15
227	Assessment of SWAT spatial and temporal transferability for a high-altitude glacierized catchment. Hydrology and Earth System Sciences, 2019, 23, 3219-3232.	1.9	11
228	Comparison and evaluation of gridded precipitation datasets for streamflow simulation in data scarce watersheds of Ethiopia. Journal of Hydrology, 2019, 579, 124168.	2.3	64
229	Evaluation of best management practices for sediment and nutrient loss control using SWAT model. Soil and Tillage Research, 2019, 192, 42-58.	2.6	84
230	Uncertainty assessment in baseflow nonpoint source pollution prediction: The impacts of hydrographic separation methods, data sources and baseflow period assumptions. Journal of Hydrology, 2019, 574, 915-925.	2.3	27
231	Modeling the effects of climate change on hydrology and sediment load in a headwater basin in the Brazilian Cerrado biome. Ecological Engineering, 2019, 133, 20-31.	1.6	49
232	Effect of Calibration and Validation Decisions on Streamflow Modeling for a Heterogeneous and Low Runoffâ€“Producing River Basin in India. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	20
233	Comparison of the multiple imputation approaches for imputing rainfall data series and their applications to watershed models. Journal of Hydrology, 2019, 572, 449-460.	2.3	20
234	Climate Change Impacts on Drought-Flood Abrupt Alternation and Water Quality in the Hetao Area, China. Water (Switzerland), 2019, 11, 652.	1.2	25
235	Evaluating the Effect of Numerical Schemes on Hydrological Simulations: HYMOD as A Case Study. Water (Switzerland), 2019, 11, 329.	1.2	4

#	Article	IF	Citations
236	Integrated sediment transport process modeling by coupling Soil and Water Assessment Tool and Environmental Fluid Dynamics Code. Environmental Modelling and Software, 2019, 116, 26-39.	1.9	28
237	Integration of GRACE Data for Improvement of Hydrological Models. Springer Water, 2019, , 1-22.	0.2	0
238	An improved operation-based reservoir scheme integrated with Variable Infiltration Capacity model for multiyear and multipurpose reservoirs. Journal of Hydrology, 2019, 571, 365-375.	2.3	35
239	Apport de la variabilitÃ© spatiale des caractÃ©ristiques physiques du bassin versant dans la modÃ©lisation hydrologique et les sous-produits du bilan hydrologique : cas du bassin versant de lâ€™aval Mekerra, AlgÃ©rie. Revue Des Sciences De L'Eau, 0, 32, 117-144.	0.2	3
240	Hydrological response of Chamelia watershed in Mahakali Basin to climate change. Science of the Total Environment, 2019, 650, 365-383.	3.9	60
241	Environmental Impact Assessment of Mining Activities on Groundwater: Case Study of Copper Mine in Jiangxi Province, China. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	20
242	Coupled modelling and sampling approaches to assess the impacts of human water management on land-sea carbon transfer. Science of the Total Environment, 2020, 701, 134735.	3.9	3
243	Threshold of sub-watersheds for SWAT to simulate hillslope sediment generation and its spatial variations. Ecological Indicators, 2020, 111, 106040.	2.6	15
244	Application of hydrological model for assessment of water security using multi-model ensemble of CORDEX-South Asia experiments in a semi-arid river basin of India. Ecological Engineering, 2020, 143, 105641.	1.6	19
245	Comparative evaluation of conceptual and physical rainfallâ€“runoff models. Applied Water Science, 2020, 10, 1.	2.8	82
246	Assessment of climate change impact on the water footprint in rice production: Historical simulation and future projections at two representative rice cropping sites of China. Science of the Total Environment, 2020, 709, 136190.	3.9	38
247	Simulation of monthly streamflow using the SWAT model of the Ib River watershed, India. HydroResearch, 2020, 3, 95-105.	1.7	24
248	Impact of climate change on hydrology components using CORDEX South Asia climate model in Wunna, Bharathpuzha, and Mahanadi, India. Environmental Monitoring and Assessment, 2020, 192, 678.	1.3	18
249	Validation of seven global remotely sensed ET products across Thailand using water balance measurements and land use classifications. Journal of Hydrology: Regional Studies, 2020, 30, 100709.	1.0	23
250	Quantitative Analysis of the Effects of Natural and Human Factors on a Hydrological System in Zhangweinan Canal Basin. Water (Switzerland), 2020, 12, 1864.	1.2	5
251	Sediment transport modeling by the SWAT model using two scenarios in the watershed of Beni Haroun dam in Algeria. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
252	A comparison of the use of local legacy soil data and global datasets for hydrological modelling a small-scale watersheds: Implications for nitrate loading estimation. Geoderma, 2020, 377, 114575.	2.3	10
253	Evaluating runoff and sediment responses to soil and water conservation practices by employing alternative modeling approaches. Science of the Total Environment, 2020, 747, 141118.	3.9	42

#	Article	IF	Citations
254	Evaluation of Satellite Precipitation Products for Hydrological Modeling in the Brazilian Cerrado Biome. Water (Switzerland), 2020, 12, 2571.	1.2	31
255	Study on water cycle simulation model of multi-source and multi-functional irrigation area based on SWAT model (I): Principles and construction methods. IOP Conference Series: Earth and Environmental Science, 2020, 510, 032018.	0.2	0
256	Evaluating the Effects of Watershed Subdivision on Hydrological Simulation by Swat Model in an Arctic Watershed. IOP Conference Series: Earth and Environmental Science, 2020, 581, 012026.	0.2	0
257	A Review of Hydrological Models Applied in the Permafrost-Dominated Arctic Region. Geosciences (Switzerland), 2020, 10, 401.	1.0	20
258	Estimating the effect of winter cover crops on nitrogen leaching using cost-share enrollment data, satellite remote sensing, and Soil and Water Assessment Tool (SWAT) modeling. Journal of Soils and Water Conservation, 2020, 75, 362-375.	0.8	30
259	Assessing the vulnerability of water resources in the context of climate changes in a small forested watershed using SWAT: A review. Environmental Research, 2020, 184, 109330.	3.7	65
260	Spatial-temporal variations in blue and green water resources, water footprints and water scarcities in a large river basin: A case for the Yellow River basin. Journal of Hydrology, 2020, 590, 125222.	2.3	72
261	The transborder flux of phosphorus in the Lancang-Mekong River Basin: Magnitude, patterns and impacts from the cascade hydropower dams in China. Journal of Hydrology, 2020, 590, 125201.	2.3	23
262	Impacts of Climate Change on the Water Availability, Seasonality and Extremes in the Upper Indus Basin (UIB). Sustainability, 2020, 12, 1283.	1.6	33
263	Comparative Analysis of Bioenergy Crop Impacts on Water Quality Using Static and Dynamic Land Use Change Modeling Approach. Water (Switzerland), 2020, 12, 410.	1.2	4
264	Development of framework for assessment of impact of climate change in a command of water resource project. Journal of Earth System Science, 2020, 129, 1.	0.6	7
265	Water balance modeling of Tandula (India) reservoir catchment using SWAT. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	12
266	A futuristic survey of the effects of LU/LC change on stream flow by CAâ€“Markov model: a case of the Nekarood watershed, Iran. Geocarto International, 2021, 36, 1100-1116.	1.7	12
267	Hydrological Modeling: A Better Alternative to Empirical Methods for Monthly Flow Estimation in Ungauged Basins. Journal of Water Resource and Protection, 2021, 13, 254-270.	0.3	8
268	Hydrological Modelling of Small Gauged and Ungauged Mountainous Watersheds Using SWATâ€”A Case of Western Ghats in India. Journal of Water Resource and Protection, 2021, 13, 455-477.	0.3	4
269	Evaluation and Hydrological Utility of the GPM IMERG Precipitation Products over the Xinfengjiang River Reservoir Basin, China. Remote Sensing, 2021, 13, 866.	1.8	9
270	Sediment Management for Reservoir Sustainability and Cost Implications Under Land Use/Land Cover Change Uncertainty. Water Resources Research, 2021, 57, e2020WR028351.	1.7	12
271	Application of SWAT in Hydrological Simulation of Complex Mountainous River Basin (Part I: Model) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	20

#	Article	IF	Citations
272	Spatiotemporal modelling of soil moisture in an <scp>A</scp>tlantic forest through machine learning algorithms. European Journal of Soil Science, 2021, 72, 1969-1987.	1.8	17
273	Evaluation of Climate Change-Induced Impact on Streamflow and Sediment Yield of Genale Watershed, Ethiopia. , 0, , .		2
274	Assessment of the Impacts of Spatial Water Resource Variability on Energy Planning in the Ganges River Basin under Climate Change Scenarios. Sustainability, 2021, 13, 7273.	1.6	4
275	Comparative study of three stochastic future weather forecast approaches: a case study. Data Science and Management, 2021, 3, 3-3.	4.1	11
276	The impacts of humans on geomorphology. Geological Society Memoir, 2022, 58, 121-134.	0.9	10
277	Improving the performance of rainfall-runoff models using the gene expression programming approach. Journal of Water and Climate Change, 2021, 12, 3308-3329.	1.2	19
278	Modeling hydrologic responses using multi-site and single-site rainfall generators in a semi-arid watershed. International Soil and Water Conservation Research, 2022, 10, 177-187.	3.0	8
279	Generation of a long-term daily gridded precipitation dataset for the Upper Indus Basin (UIB) through temporal Reconstruction, Correction & Informed Regionalization-â€œReCIRâ€• International Soil and Water Conservation Research, 2021, 9, 445-460.	3.0	3
280	Hydrological Modeling in Agricultural Intensive Watershed: The Case of Upper East Fork White River, USA. Hydrology, 2021, 8, 137.	1.3	6
281	Assessment of Hydroclimatological Changes in Eastern Himalayan River Catchment of Northeast India. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	0.8	5
282	Screening ecological risk of pesticides and emerging contaminants under data limited conditions â€“ Case study modeling urban and agricultural watersheds with OrganoFate. Environmental Pollution, 2021, 288, 117662.	3.7	6
283	Assessment of climate change impacts on streamflow and hydropower potential in the headwater region of the Grande river basin, Southeastern Brazil. International Journal of Climatology, 2017, 37, 5005-5023.	1.5	82
284	Assessment of the Impact of Projected Climate Change on Streamflow and Groundwater Recharge in a River Basin. , 2015, , 143-176.		1
286	Integrated Water Quality Modelling of the River Zenne (Belgium) Using OpenMI. , 2014, , 259-274.		7
287	Evaluating the influence of landform, surficial geology, and land use on streams using hydrologic simulation modeling. Aquatic Sciences, 2005, 67, 528-540.	0.6	2
288	Estimation of daily reference evapotranspiration by neuro computing techniques using limited data in a semi-arid environment. Archives of Agronomy and Soil Science, 2018, 64, 916-929.	1.3	10
289	Opportunities to Build Groundwater Resilience in the Semi-Arid Tropics. Ground Water, 2012, 51, no-no.	0.7	3
290	EFFECTS OF STATSGO AND SSURGO AS INPUTS ON SWAT MODEL'S SNOWMELT SIMULATION. Journal of the American Water Resources Association, 2006, 42, 1217-1236.	1.0	75

#	Article	IF	Citations
291	Assessing the Performance of SWAT and AnnAGNPS Models in a Coastal Plain Watershed, Choptank River, Maryland, U.S.A.. , 2007, , .		1
292	OWS4SWAT: Publishing and Sharing SWAT Outputs with OGC standards. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	7
293	Suitability of common models to estimate hydrology and diffuse water pollution in North-eastern German lowland catchments with intensive agricultural land use. Frontiers of Agricultural Science and Engineering, 2018, .	0.9	6
295	SimulaÃ§Ã£o de Escoamento em uma Microbacia HidrogrÃ¡fica Utilizando TÃ©cnicas de Modelagem e Geoprocessamento. Revista Brasileira De Recursos Hidricos, 2003, 8, 147-155.	0.5	7
296	Hydrological Modelling in the Lake Tana Basin, Ethiopia Using SWAT Model. The Open Hydrology Journal, 2008, 2, 49-62.	0.4	239
297	Modelling of discharge, nitrate and phosphate loads from the Reda catchment to the Puck Lagoon using SWAT. Annals of Warsaw University of Life Sciences, Land Reclamation, 2013, 45, 125-141.	0.2	12
299	Evaluation of Swat Performance on a Mountainous Watershed in Tropical Africa. Hydrology Current Research, 0, s3, .	0.4	6
300	Annual Runoff and Sediment in Duhok Reservoir Watershed Using SWAT and WEPP Models. Engineering, 2016, 08, 410-422.	0.4	3
301	Development of Water Quality Modeling in the United States. Environmental Engineering Research, 2009, 14, 200-210.	1.5	39
307	Evaluation of the Streamflow Simulation by SWAT Model for Selected Catchments in Mahaweli River Basin, Sri Lanka. Water Conservation Science and Engineering, 2021, 6, 233-248.	0.9	6
309	Hydrologic Impacts, Spatial Simulation. , 2008, , 462-468.		0
310	Use of a distributed catchment model to assess hydrologic modifications in the Upper Ganges Basin. , 2011, , .		0
311	SYNTHESIS, CONCLUSIONS AND RECOMMENDATIONS. , 2011, , 159-164.		0
312	Runoff and Sediment Load from the Right Bank Valleys of Mosul Dam Reservoir. Journal of Civil Engineering and Architecture, 2012, 6, .	0.0	0
313	Application of SWAT model to estimate the annual runoff and sediment of Duhok reservoir watershed. , 2016, , .		2
314	Hydrologic Impacts, Spatial Simulation. , 2017, , 894-902.		0
315	Application of Data Fusion for Uncertainty and Sensitivity Analysis of Water Quality in the Shenandoah River. , 2019, , 1383-1410.		0
317	Runoff sensitivity to climate and land-use changes: A case study in the Longtan basin, Southwestern China. Journal of Water and Climate Change, 2021, 12, 1059-1070.	1.2	2

#	Article	IF	Citations
318	Flow Simulation and Storage Assessment in an Ungauged Irrigation Tank Cascade System Using the SWAT Model. Sustainability, 2021, 13, 13158.	1.6	6
319	Explaining water security indicators using hydrologic and agricultural systems models. Journal of Hydrology, 2022, 607, 127463.	2.3	18
320	Systematic Assessment of the Development and Recovery Characteristics of Hydrological Drought in a Semi-Arid Area. SSRN Electronic Journal, 0, , .	0.4	0
321	A scientometric analysis of agricultural pollution by using bibliometric software VoSViewer and Histciteâ„¢. Environmental Science and Pollution Research, 2022, 29, 37882-37893.	2.7	23
322	Hydrological process knowledge in catchment modelling â€“ Lessons and perspectives from 60 years development. Hydrological Processes, 2022, 36, .	1.1	14
323	Reduced runoff and sediment loss under alternative land capability-based land use and management options in a sub-humid watershed of Ethiopia. Journal of Hydrology: Regional Studies, 2022, 40, 100998.	1.0	11
324	Understanding land use/land cover and climate change impacts on hydrological components of Usri watershed, India. Applied Water Science, 2022, 12, 1.	2.8	19
325	Effects of Finer Scale Soil Survey and Land-Use Classification on SWAT Hydrological Modelling Accuracy in Data-Poor Study Areas. Journal of Water Resource and Protection, 2022, 14, 100-125.	0.3	3
326	Changes in Irrigation Planning and Development Parameters Due to Climate Change. Water Resources Management, 2022, 36, 1711-1726.	1.9	9
327	Evaluation of Gangetic dolphin habitat suitability under hydroclimatic changes using a coupled hydrological-hydrodynamic approach. Ecological Informatics, 2022, 69, 101639.	2.3	9
328	Coupling Remote Sensing and Hydrological Model for Evaluating the Impacts of Climate Change on Streamflow in Data-Scarce Environment. Sustainability, 2021, 13, 14025.	1.6	10
329	A Novel Stacked Long Short-Term Memory Approach of Deep Learning for Streamflow Simulation. Sustainability, 2021, 13, 13384.	1.6	17
330	A Composite Index-Based Approach for Mapping Ecosystem Service Production Hotspots and Coldspots for Priority Setting in Integrated Watershed Management Programs. Journal of Geoscience and Environment Protection, 2022, 10, 49-63.	0.2	1
333	An assessment of climate change impacts on water sufficiency: The case of Extended East Rapti watershed, Nepal. Environmental Research, 2022, 212, 113434.	3.7	0
334	Enhancing SWAT model predictivity using multi-objective calibration: effects of integrating remotely sensed evapotranspiration and leaf area index. International Journal of Environmental Science and Technology, 2023, 20, 6449-6468.	1.8	4
335	Impacts and Implications of Land Use Land Cover Dynamics on Groundwater Recharge and Surface Runoff in East African Watershed. Water (Switzerland), 2022, 14, 2068.	1.2	18
336	Habitat alteration assessment for the management of environmental flows in regulated basins. Journal of Environmental Management, 2022, 319, 115653.	3.8	4
337	Evaluation of climate change effects on flood frequency in arid and semi-arid basins. Water Science and Technology: Water Supply, 2022, 22, 6740-6755.	1.0	8

#	Article	IF	Citations
338	Runoff modelling of Aripal watershed using SWAT model. Arabian Journal of Geosciences, 2022, 15, .	0.6	2
339	The Role of Environmental Flows in the Spatial Variation of the Water Exploitation Index. Water (Switzerland), 2022, 14, 2938.	1.2	1
340	Comparative study of machine learning methods and GR2M model for monthly runoff prediction. Ain Shams Engineering Journal, 2023, 14, 101941.	3.5	13
341	Artificial intelligence/machine learning techniques in hydroclimatology: A demonstration of deep learning for future assessment of stream flow under climate change. , 2023, , 247-273.		2
342	A data set of global river networks and corresponding water resources zones divisions v2. Scientific Data, 2022, 9, .	2.4	3
343	A Framework to Regionalize Flow Information in a Catchment with Limited Hydrological Data. Open Journal of Modern Hydrology, 2023, 13, 22-51.	0.4	0
344	Climate Change Impacts on the Hydrology of the Brahmaputra River Basin. Climate, 2023, 11, 18.	1.2	5
345	Runoff prediction of lower Yellow River based on CEEMDANâ€“LSSVMâ€“GM(1,1) model. Scientific Reports, 2023, 13, .	1.6	6
346	SWAT model for water balance and water yield study in Ulu Muda Forest Reserve, Kedah. AIP Conference Proceedings, 2023, , .	0.3	0
347	Streamflow simulation using Soil and Water Assessment Tool (SWAT): application to Periyar River basin in India. ISH Journal of Hydraulic Engineering, 2023, 29, 332-345.	1.1	2
348	Ensemble physically based semi-distributed models for the rainfall-runoff process modeling in the data-scarce Katar catchment, Ethiopia. Journal of Hydroinformatics, 2023, 25, 567-592.	1.1	10
349	Comparative Evaluation of the Performance of SWAT, SWAT+, and APEX Models in Simulating Edge of Field Hydrological Processes. Open Journal of Modelling and Simulation, 2023, 11, 37-49.	0.7	0
350	Climate Change Impact on Water Resources of Tank Cascade Systems in the Godavari Sub-Basin, India. Water Resources Management, 2023, 37, 2853-2873.	1.9	3
351	Towards integrated modelling of Watershed-Coast System morphodynamics in a changing climate: A critical review and the path forward. Science of the Total Environment, 2023, 882, 163625.	3.9	4