LARGE AREA HYDROLOGIC MODELING AND ASSESSM

Journal of the American Water Resources Association 34, 73-89

DOI: 10.1111/j.1752-1688.1998.tb05961.x

Citation Report

#	Article	IF	CITATIONS
1	Calibration and Validation of SWAT Model for Low Lying Watersheds: A Case Study on the Kliene Nete Watershed, Belgium. Hydro Nepal: Journal of Water, Energy & Environment, 1970, 6, 47-51.	0.1	8
2	LARGE AREA HYDROLOGIC MODELING AND ASSESSMENT PART II: MODEL APPLICATION. Journal of the American Water Resources Association, 1998, 34, 91-101.	1.0	364
3	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
4	COMPARISON OF GREEN-AMPT AND CURVE NUMBER METHODS ON GOODWIN CREEK WATERSHED USING SWAT. Transactions of the American Society of Agricultural Engineers, 1999, 42, 919-926.	0.9	159
5	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
6	Possible Impacts of Global Warming on the Hydrology of the Ogallala Aquifer Region. Climatic Change, 1999, 42, 677-692.	1.7	156
7	SIMULATION OF DAILY AND MONTHLY STREAM DISCHARGE FROM SMALL WATERSHEDS USING THE SWAT MODEL. Transactions of the American Society of Agricultural Engineers, 2000, 43, 1431-1439.	0.9	257
8	Safeguarding soil and water quality. Communications in Soil Science and Plant Analysis, 2000, 31, 1717-1742.	0.6	6
9	A CRITICAL ASSESSMENT OF WATER QUALITY AND WATERSHED MODELS FOR THE TEXAS TOTAL MAXIMUM DAILY LOAD PROCESS. Proceedings of the Water Environment Federation, 2000, 2000, 785-812.	0.0	1
10	SURFACE WATER WITHDRAWAL ALLOCATION AND TRADING SYSTEMS FOR TRADITIONALLY RIPARLAN AREAS1. Journal of the American Water Resources Association, 2000, 36, 293-303.	1.0	14
11	IMPACTS OF CLIMATE CHANGE ON WATER YIELD IN THE UPPER WIND RIVER BASIN1. Journal of the American Water Resources Association, 2000, 36, 321-336.	1.0	65
12	REGULATED RIVER MODELING FOR CLIMATE CHANGE IMPACT ASSESSMENT: THE MISSOURI RIVER1. Journal of the American Water Resources Association, 2000, 36, 375-386.	1.0	31
13	Scaling up from field to region for wind erosion prediction using a field-scale wind erosion model and GIS. Agriculture, Ecosystems and Environment, 2000, 82, 247-259.	2.5	76
14	HYDROLOGIC RESPONSE OF A SMALL WATERSHED MODEL TO GENERATED PRECIPITATION. Transactions of the American Society of Agricultural Engineers, 2000, 43, 1483-1488.	0.9	28
15	Assessing regional impacts of change: linking economic and environmental models. Agricultural Systems, 2000, 63, 147-159.	3.2	21
16	Impacts of input parameter spatial aggregation on an agricultural nonpoint source pollution model. Journal of Hydrology, 2000, 236, 35-53.	2.3	158
17	Regional estimation of base flow and groundwater recharge in the Upper Mississippi river basin. Journal of Hydrology, 2000, 227, 21-40.	2.3	369
18	GIS and Distributed Watershed Models. II: Modules, Interfaces, and Models. Journal of Hydrologic Engineering - ASCE, 2001, 6, 515-523.	0.8	63

#	Article	IF	CITATIONS
19	Long-term land use changes in a mesoscale watershed due to socio-economic factors — effects on landscape structures and functions. Ecological Modelling, 2001, 140, 125-140.	1.2	122
20	Automatic calibration of a distributed catchment model. Journal of Hydrology, 2001, 251, 103-109.	2.3	276
21	Watershed Management Technique to Control Sediment Yield in Agriculturally Dominated Areas. Water International, 2001, 26, 435-443.	0.4	22
22	Rice Parameters Describing Crop Performance of Four U.S. Cultivars. Agronomy Journal, 2001, 93, 1354-1361.	0.9	96
23	WATER QUALITY IMPACTS ASSOCIATED WITH CONVERTING FARMLAND AND FORESTS TO TURFGRASS. Transactions of the American Society of Agricultural Engineers, 2001, 44, .	0.9	14
24	Simulating effects of landscape composition and structure on stream water quality in forested watersheds. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2001, 27, 3561-3565.	0.1	1
25	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
26	Hydrologic model for design and constructed wetlands. Wetlands, 2001, 21, 167-178.	0.7	72
27	IMPACTS OF CLIMATE CHANGE ON MISSOURI RWER BASIN WATER YIELD. Journal of the American Water Resources Association, 2001, 37, 1119-1129.	1.0	91
28	VALIDATION OF THE SWAT MODEL ON A LARGE RWER BASIN WITH POINT AND NONPOINT SOURCES. Journal of the American Water Resources Association, 2001, 37, 1169-1188.	1.0	1,153
29	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
30	Hydrologic Response to land use changes on the catchment scale. Physics and Chemistry of the Earth, 2001, 26, 577-582.	0.3	305
31	Modeling Non-Point Source Pollution Using a Distributed Watershed Model for the Cannonsville Reservoir Basin, Delaware County, New York., 2001,, 1.		4
32	Long-Term Hydrologic Impact of Urbanization: A Tale of Two Models. Journal of Water Resources Planning and Management - ASCE, 2001, 127, 13-19.	1.3	115
33	Using Genetic Algorithms and SWAT to Minimize Sediment Yield from an Agriculturally Dominated Watershed. , 2001, , 1.		2
34	Hydrological response to climate change in the Black Hills of South Dakota, USA. Hydrological Sciences Journal, 2001, 46, 27-40.	1.2	50
35	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
36	Discussion of "Long-Term Hydrologic Impact of Urbanization: A Tale of Two Models―by Budhendra Bhaduri, Marie Minner, Susan Tatalovich, and Jon Harbor. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 462-463.	1.3	1

#	Article	IF	CITATIONS
37	Future Research to Fill Knowledge Gaps. , 2002, , .		1
38	AGNPS-based Assessment of the Impact of BMPs on Nitrate-Nitrogen Discharging into an Illinois Water Supply Lake. Water International, 2002, 27, 255-265.	0.4	13
39	Modeling the Impacts of Climate Change on Water Supply Reliabilities. Water International, 2002, 27, 407-419.	0.4	53
40	Mathematical Modeling of Watershed Hydrology. Journal of Hydrologic Engineering - ASCE, 2002, 7, 270-292.	0.8	626
41	Development of a snowfall–snowmelt routine for mountainous terrain for the soil water assessment tool (SWAT). Journal of Hydrology, 2002, 262, 209-223.	2.3	285
42	SWAT-G, a version of SWAT99.2 modified for application to low mountain range catchments. Physics and Chemistry of the Earth, 2002, 27, 641-644.	1.2	81
43	Comparison of two different approaches of sensitivity analysis. Physics and Chemistry of the Earth, 2002, 27, 645-654.	1.2	418
44	An interdisciplinary modelling approach to evaluate the effects of land use change. Physics and Chemistry of the Earth, 2002, 27, 655-662.	1.2	62
45	Watershed Scale Nonpoint Source Pollution Models: Mathematical Bases., 2002,,.		1
46	WATGIS: A GIS–BASED LUMPED PARAMETER WATER QUALITY MODEL. Transactions of the American Society of Agricultural Engineers, 2002, 45, .	0.9	20
47	EVALUATION OF EPIC FOR ASSESSING TILE FLOW AND NITROGEN LOSSES FOR ALTERNATIVE AGRICULTURAL MANAGEMENT SYSTEMS. Transactions of the American Society of Agricultural Engineers, 2002, 45, .	0.9	32
48	A SWAT/Microbial Sub-Model for Predicting Pathogen Loadings in Surface and Groundwater at Watershed and Basin Scales. , 0, , .		13
49	Hydrological application of the INCA model with varying spatial resolution and nitrogen dynamics in a northern river basin. Hydrology and Earth System Sciences, 2002, 6, 339-350.	1.9	26
50	Evolutionary algorithms for multiobjective evaluation of watershed management decisions. Journal of Hydroinformatics, 2002, 4, 83-97.	1.1	29
51	Daily streamflow modelling and assessment based on the curve-number technique. Hydrological Processes, 2002, 16, 3131-3150.	1.1	62
52	Prediction of pesticide concentrations found in rivers in the UK. Pest Management Science, 2002, 58, 363-373.	1.7	34
53	Recharge Estimation for Transient Ground Water Modeling. Ground Water, 2002, 40, 638-648.	0.7	107
54	APPLICATION OF AN ENVIRONMENTAL AND ECONOMIC MODELING SYSTEM FOR WATERSHED ASSESSMENTS. Journal of the American Water Resources Association, 2002, 38, 423-438.	1.0	35

#	Article	IF	CITATIONS
55	INTEGRATING LANDSCAPE ASSESSMENT AND HYDROLOGIC MODELING FOR LAND COVER CHANGE ANALYSIS. Journal of the American Water Resources Association, 2002, 38, 915-929.	1.0	142
56	INTEGRATION OF WATERSHED TOOLS AND SWAT MODEL INTO BASINS. Journal of the American Water Resources Association, 2002, 38, 1127-1141.	1.0	139
57	Application of swat model in the upstream watershed of the Luohe River. Chinese Geographical Science, 2003, 13, 334-339.	1.2	19
58	Development and Adoption of a Simple Nonpoint Source Pollution Model for Port Phillip Bay, Australia. Environmental Management, 2003, 32, 360-372.	1.2	2
59	Meso-scale landscape analysis based on landscape balance investigations: problems and hierarchical approaches for their resolution. Ecological Modelling, 2003, 168, 251-265.	1.2	38
60	Modelling diffuse emission and retention of nutrients in the Vantaanjoki watershed (Finland) using the SWAT model. Ecological Modelling, 2003, 169, 25-38.	1.2	127
61	Plant parameter values for models in temperate climates. Ecological Modelling, 2003, 169, 237-293.	1.2	307
62	Interannual and seasonal variability of modelled soil moisture in Oklahoma. International Journal of Climatology, 2003, 23, 1057-1086.	1.5	29
63	Environmental benefits and economic costs of manure incorporation on dairy waste application fields. Journal of Environmental Management, 2003, 68, 1-11.	3.8	38
64	Physiological tradeoffs in the parameterization of a model of canopy transpiration. Advances in Water Resources, 2003, 26, 179-194.	1.7	50
65	Identification and Prioritisation of Critical Sub-watersheds for Soil Conservation Management using the SWAT Model. Biosystems Engineering, 2003, 85, 365-379.	1.9	170
66	Evaluation of streamflow predictions by the IHACRES rainfall-runoff model in two South African catchments. Environmental Modelling and Software, 2003, 18, 705-712.	1.9	59
67	Software for pest-management science: computer models and databases from the United States Department of Agriculture? Agricultural Research Service. Pest Management Science, 2003, 59, 691-698.	1.7	11
68	SIMULATED IMPACTS OF EL NINO/SOUTHERN OSCILLATION ON UNITED STATES WATER RESOURCES. Journal of the American Water Resources Association, 2003, 39, 137-148.	1.0	25
69	HYDROLOGIC SIMULATION OF THE LITTLE WASHITA RIVER EXPERIMENTAL WATERSHED USING SWAT. Journal of the American Water Resources Association, 2003, 39, 413-426.	1.0	221
70	WATER QUALITY MODEL OUTPUT UNCERTAINTY AS AFFECTED BY SPATIAL RESOLUTION OF INPUT DATA. Journal of the American Water Resources Association, 2003, 39, 977-986.	1.0	112
71	Automated Parameterization of Land Surface Process Models Using Fuzzy Logic. Transactions in GIS, 2003, 7, 139-153.	1.0	15
72	Application of <i>Mike Basin </i> for Water Management Strategies in a Watershed. Water International, 2003, 28, 27-35.	0.4	36

#	Article	IF	CITATIONS
73	Water yield responses to high and low spatial resolution climate change scenarios in the Missouri River Basin. Geophysical Research Letters, 2003, 30, .	1.5	42
74	Watershed-scale effects of urbanization on sediment export: Assessment and policy. Water Resources Research, 2003, 39, .	1.7	35
75	Multiobjective autocalibration for semidistributed water quality models. Water Resources Research, 2003, 39, .	1.7	127
76	A conceptual framework for identifying the need and role of models in the implementation of the water framework directive. International Journal of River Basin Management, 2003, 1, 347-352.	1.5	84
77	Potential impacts of climate change on groundwater recharge and streamflow in a central European low mountain range. Journal of Hydrology, 2003, 284, 244-252.	2.3	371
78	Effects of land use changes on the nutrient balance in mesoscale catchments. Physics and Chemistry of the Earth, 2003, 28, 1301-1309.	1.2	41
79	Parameter uncertainty and the significance of simulated land use change effects. Journal of Hydrology, 2003, 273, 164-176.	2.3	134
80	Integrated assessment of Hadley Centre (HadCM2) climate change projections on agricultural productivity and irrigation water supply in the conterminous United States. Agricultural and Forest Meteorology, 2003, 117, 73-96.	1.9	97
81	Quantification and simulation of surface runoff from fescue grassland watersheds. Agricultural Water Management, 2003, 59, 137-153.	2.4	96
82	The ALMANAC model's sensitivity to input variables. Agricultural Systems, 2003, 78, 1-16.	3.2	25
83	A long-term hydrological modelling of the Upper Guadiana river basin (Spain). Physics and Chemistry of the Earth, 2003, 28, 193-200.	1.2	43
84	Generic structures of decision support systems for evaluation of policy measures to reduce catchment-scale nitrogen fluxes. Physics and Chemistry of the Earth, 2003, 28, 589-598.	1.2	10
85	Estimating Annual River Discharge And Nitrogen Loadings To Danish Coastal Waters. International Journal of Environmental Studies, 2003, 60, 179-197.	0.7	3
86	Modeling Flow and Nitrate Fate at Catchment Scale in Brittany (France). Journal of Environmental Quality, 2003, 32, 2026-2032.	1.0	94
87	ECOHYDROLOGY OF A RESOURCE-CONSERVING SEMIARID WOODLAND: EFFECTS OF SCALE AND DISTURBANCE. Ecological Monographs, 2003, 73, 223-239.	2.4	296
88	A Methodology for Sensitivity Analysis in Complex Distributed Watershed Models. , 2003, , 1.		1
89	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
90	Application of Soil and Water Assessment Tool (SWAT) to Landscapes with Tiles and Potholes. Part II. Validation of New Procedures. Case of Walnut Creek Watershed (Iowa)., 2003,,.		0

#	Article	IF	CITATIONS
91	A BACTERIA TMDL FOR SHOAL CREEK USING SWAT MODELING AND DNA SOURCE TRACKING., 0, , .		4
92	Optimizing Best Management Practice Selection to Increase Cost-effectiveness. , 2003, , .		0
93	ASSESSMENT OF BMPS FOR LARGER WATERSHEDS - REQUIREMENTS TO LINK GEOWEPP AND SWAT. , 0, , .		0
94	Future Phosphorus Loading to the Cannonsville Reservoir. , 2003, , 1.		1
95	WATERSHED SCALE HYDROLOGIC AND NONPOINT SOURCE POLLUTION MODELS FOR LONG-TERM CONTINUOUS AND STORM EVENT SIMULATIONS. , 0, , .		2
96	WATERSHED-SCALE HYDROLOGIC AND NONPOINT-SOURCE POLLUTION MODELS: REVIEW OF MATHEMATICAL BASES. Transactions of the American Society of Agricultural Engineers, 2003, 46, 1553-1566.	0.9	383
97	Simulação da produção de sedimentos para a microbacia hidrográfica do Ribeirão dos Marins (SP). Revista Brasileira De Ciencia Do Solo, 2003, 27, 735-741.	0.5	21
98	Calibration and Verification of Dynamic Fertilizer Model to Assess the Effect of CNMPs., 2004,,.		O
99	The Impact of Flood Retarding Structures and Varying Climatic Conditions on Streamflow and Sediment Response for a Watershed in Southwestern Oklahoma. , 2004, , 1.		0
100	Application of SWAT and APEX Models Using SWAP (SWAT/APEX Program) for Upper North Bosque River Watershed in Texas., 2004, , .		O
101	STORM EVENT FLOW AND SEDIMENT SIMULATIONS IN AGRICULTURAL WATERSHEDS USING DWSM. Transactions of the American Society of Agricultural Engineers, 2004, 47, 1539-1559.	0.9	32
102	Historical Development and Applications of the EPIC and APEX models., 2004,,.		14
103	EVALUATION OF THE SWAT MODELÂ'S SEDIMENT AND NUTRIENT COMPONENTS IN THE PIEDMONT PHYSIOGRAPHIC REGION OF MARYLAND. Transactions of the American Society of Agricultural Engineers, 2004, 47, 1523-1538.	0.9	98
104	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
105	A GISâ€Coupled Hydrological Model System for the Watershed Assessment of Agricultural Nonpoint and Point Sources of Pollution. Transactions in GIS, 2004, 8, 113-136.	1.0	128
106	DECISION FRAMEWORK FOR SEDIMENT CONTROL IN MUDDY CREEK WATERSHED. Journal of the American Water Resources Association, 2004, 40, 1553-1562.	1.0	4
107	DETERMINING CRITICAL WATER QUALITY CONDITIONS FOR INORGANIC NITROGEN IN DRY, SEMI-URBANIZED WATERSHEDS. Journal of the American Water Resources Association, 2004, 40, 721-735.	1.0	16
108	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

#	Article	IF	CITATIONS
109	Increasing off-site water yield and grassland bird habitat in Texas through brush treatment practices. Ecological Economics, 2004, 49, 469-484.	2.9	7
110	Modelling spatio-temporal near-surface temperature variation in high mountain landscapes. Ecological Modelling, 2004, 178, 483-501.	1.2	40
111	Joint Application of Artificial Neural Networks and Evolutionary Algorithms to Watershed Management. Water Resources Management, 2004, 18, 459-482.	1.9	17
112	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
113	Impact of land-cover and climate changes on runoff of the source regions of the Yellow River. Journal of Chinese Geography, 2004, 14, 330-338.	1.5	25
114	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
115	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
116	Sediment delivery ratios: a misaligned approach to determining sediment delivery from hillslopes. Hydrological Processes, 2004, 18, 3191-3194.	1.1	54
117	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
118	Stability-oriented programs for regulating water withdrawals in riparian regions. Water Resources Research, 2004, 40, .	1.7	2
119	Estimating soil moisture at the watershed scale with satellite-based radar and land surface models. Canadian Journal of Remote Sensing, 2004, 30, 805-826.	1.1	267
121	Implementing river water quality modelling issues in mesoscale watershed models for water policy demands––an overview on current concepts, deficits, and future tasks. Physics and Chemistry of the Earth, 2004, 29, 725-737.	1.2	68
122	Evaluation of hydrological model parameter transferability for simulating the impact of land use on catchment hydrology. Physics and Chemistry of the Earth, 2004, 29, 739-747.	1.2	61
123	Sensitivity of simulated hydrological fluxes towards changes in soil properties in response to land use change. Physics and Chemistry of the Earth, 2004, 29, 749-758.	1.2	32
124	Effects of distribution-based parameter aggregation on a spatially distributed agricultural nonpoint source pollution model. Journal of Hydrology, 2004, 295, 211-224.	2.3	72
125	Formulation of a hybrid calibration approach for a physically based distributed model with NEXRAD data input. Journal of Hydrology, 2004, 298, 136-154.	2.3	65
127	Effects of Climate Change on Irrigation Decisions and Low Flow Frequency for a Typical Agricultural River Basin of the Midwestern US. , 2004, , 1 .		0
128	Relating Soil Phosphorus to Dissolved Phosphorus in Runoff: A Single Extraction Coefficient for Water Quality Modeling. Journal of Environmental Quality, 2005, 34, 572-580.	1.0	200

#	Article	IF	CITATIONS
129	Estimation on the eco-water demands: a case study in an arid oasis system of Xinjiang, China. , 2005, , .		0
130	Climate Change Impacts on Missouri River Basin Water Yields: The Influence of Temporal Scales. , 2005, , 1.		2
131	DEVELOPMENT AND APPLICATION OF SWAT TO LANDSCAPES WITH TILES AND POTHOLES. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1121-1133.	0.9	105
133	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
135	Potential Effects of Climate Change and Variability on the Surface Water Resources of the Upper Midwest. , 2005, , $1.$		0
137	Modelling of an Agricultural Watershed using Remote Sensing and a Geographic Information System. Biosystems Engineering, 2005, 90, 331-347.	1.9	36
138	Extending the Life Cycle Methodology to Cover Impacts of Land Use Systems on the Water Balance (7) Tj ETQq0	0 0 rgBT /	Overlock 10
139	MODELING EFFECTS OF BRUSH MANAGEMENT ON THE RANGELAND WATER BUDGET: EDWARDS PLATEAU, TEXAS. Journal of the American Water Resources Association, 2005, 41, 181-193.	1.0	45
140	HYDROLOGICAL MODELING OF THE IROQUOIS RIVER WATERSHED USING HSPF AND SWAT. Journal of the American Water Resources Association, 2005, 41, 343-360.	1.0	471
141	WATERSHED SCALE MODELING OF CRITICAL SOURCE AREAS OF RUNOFF GENERATION AND PHOSPHORUS TRANSPORT. Journal of the American Water Resources Association, 2005, 41, 361-377.	1.0	70
142	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
143	SENSITIVITY ANALYSIS, CALIBRATION, AND VALIDATIONS FOR A MULTISITE AND MULTIVARIABLE SWAT MODEL. Journal of the American Water Resources Association, 2005, 41, 1077-1089.	1.0	351
144	Scaling issues in sustainable management of nutrient losses. Soil Use and Management, 2005, 21, 160-166.	2.6	12
145	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
146	Predicting soil erosion and sediment yield at the basin scale: Scale issues and semi-quantitative models. Earth-Science Reviews, 2005, 71, 95-125.	4.0	574
147	The evaluation of land-use options in mesoscale catchments. Ecological Modelling, 2005, 187, 3-14.	1.2	40
148	Spatial assessment of two widely used land-cover datasets over the continental U.S. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2396-2404.	2.7	5
149	Effect of DEM data resolution on SWAT output uncertainty. Hydrological Processes, 2005, 19, 621-628.	1.1	173

#	Article	IF	CITATIONS
150	An analysis of high-flow sediment event data for evaluating model performance. Hydrological Processes, 2005, 19, 605-620.	1.1	32
151	Estimation of soil cracking and the effect on surface runoff in a Texas Blackland Prairie watershed. Hydrological Processes, 2005, 19, 589-603.	1.1	96
152	Modelling the hydrology of a catchment using a distributed and a semi-distributed model. Hydrological Processes, 2005, 19, 573-587.	1,1	89
153	SWAT2000: current capabilities and research opportunities in applied watershed modelling. Hydrological Processes, 2005, 19, 563-572.	1.1	1,089
154	Effect of GIS data quality on small watershed stream flow and sediment simulations. Hydrological Processes, 2005, 19, 629-650.	1,1	93
155	Automatic model calibration. Hydrological Processes, 2005, 19, 651-658.	1.1	72
156	Application and evaluation of ESWAT on the Dender basin and the Wister Lake basin. Hydrological Processes, 2005, 19, 827-838.	1,1	32
157	Considering spatial distribution and deposition of sediment in lumped and semi-distributed models. Hydrological Processes, 2005, 19, 785-794.	1.1	35
158	Development of effective management plan for critical subwatersheds using SWAT model. Hydrological Processes, 2005, 19, 809-826.	1,1	80
159	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
160	Advances in the application of the SWAT model for water resources management. Hydrological Processes, 2005, 19, 749-762.	1,1	251
161	Assessment of the effect of land use patterns on hydrologic landscape functions: a comprehensive GIS-based tool to minimize model uncertainty resulting from spatial aggregation. Hydrological Processes, 2005, 19, 715-727.	1.1	55
162	Why the universal soil loss equation and the revised version of it do not predict event erosion well. Hydrological Processes, 2005, 19, 851-854.	1.1	66
163	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
164	Effects of environmental changes on the vitality of forest stands. European Journal of Forest Research, 2005, 124, 349-362.	1.1	29
165	Climate Change Impacts for the Conterminous USA: An Integrated Assessment. Climatic Change, 2005, 69, 67-88.	1.7	44
166	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
167	USE OF SWAT TO COMPUTE GROUNDWATER TABLE DEPTH AND STREAMFLOW IN THE MUSCATATUCK RIVER WATERSHED. Transactions of the American Society of Agricultural Engineers, 2005, 48, 991-1003.	0.9	84

#	Article	IF	CITATIONS
168	APPLICATION OF DYNAMIC FERTILIZER MODEL FOR ASSESSMENT OF CNMPS., 0, , .		0
169	The BASINS Watershed Analysis System â€" Evolving to Embrace New Data and Techniques. , 2005, , 1.		0
170	APPLICABILITY OF SWAT FOR THREE COASTAL WATERSHEDS IN LOUISIANA., 0,,.		0
171	An Approach for Estimating Water Quality Benefits of Conservation Practices at the National Level. , 2005, , .		4
172	SWAT Application for Conservation Effects Assessment in the Southeastern Coastal Plain. , 2005, , .		1
173	PREDICTION OF PESTICIDE LOSSES IN SURFACE RUNOFF FROM AGRICULTURAL FIELDS USING GLEAMS AND RZWQM. Transactions of the American Society of Agricultural Engineers, 2005, 48, 585-599.	0.9	12
174	Simulating Hydrology and Water Quality of a Claypan Soil Watershed., 2005, , .		4
175	Measuring Environmental Benefits of Conservation Practices: The Conservation Effects Assessment Project (CEAP)-A Model Calibration Approach at the National Level. , 2005, , .		0
176	Best Management Practice Effects for Phosphorus Control on a Dairy Farm: The Cannonsville Reservoir Watershed, New York., 2005, , .		1
177	A CONCEPTUAL APPROACH FOR ESTIMATING MARGIN OF SAFETY VALUES FOR TMDL MODEL SIMULATIONS. , 0, , .		0
178	Cost-Effective Watershed Modeling Approach to Achieve TMDL Targets. , 0, , .		0
179	HYDROLOGICAL MODELING OF THE L'ANGUILLE RIVER WATERSHED USING SOIL AND WATER ASSESSMENT TOOL. , 2005, , .		0
180	Storm Event and Continuous Modeling of an Illinois Watershed to Evaluate Surface Water Supplies. , 2005, , .		0
181	INFLUENCE OF HYDROLOGIC RESPONSE UNIT (HRU) DISTRIBUTION ON SWAT MODEL FLOW AND SEDIMENT PREDICTIONS., 0, , .		2
182	Watershed Level BMP Evaluation with SWAT Model. , 2005, , .		3
183	Predicting Dissolved Phosphorus in Runoff from Manured Field Plots. Journal of Environmental Quality, 2005, 34, 1347-1353.	1.0	53
184	Developing an independent, generic, phosphorus modelling component for use with grid-oriented, physically based distributed catchment models. Water Science and Technology, 2005, 51, 135-142.	1.2	6
185	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

#	Article	IF	Citations
186	Incorporation of Climate Change in Water Availability Modeling. Journal of Hydrologic Engineering - ASCE, 2005, 10, 375-385.	0.8	63
187	Research Article: Economic and Environmental Assessment of Proactive Phosphorus Control Measures for Broiler Operations. Environmental Practice, 2005, 7, 74-86.	0.3	1
188	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
189	Sensitivity and uncertainty analysis coupled with automatic calibration for a distributed watershed model. Journal of Hydrology, 2005, 306, 127-145.	2.3	434
190	Characterization of Fate and Transport of Isoxaflutole, a Soil-Applied Corn Herbicide, in Surface Water Using a Watershed Model. Journal of Agricultural and Food Chemistry, 2005, 53, 8848-8858.	2.4	25
191	A statistical method for source apportionment of riverine nitrogen loads. Journal of Hydrology, 2005, 304, 302-315.	2.3	86
192	Impact of DEM mesh size and soil map scale on SWAT runoff, sediment, and NO3–N loads predictions. Journal of Hydrology, 2005, 312, 207-222.	2.3	195
193	Modeling response of soil erosion and runoff to changes in precipitation and cover. Catena, 2005, 61, 131-154.	2.2	581
194	GIS-based sediment assessment tool. Catena, 2005, 64, 61-80.	2.2	135
195	Application of the SWAT model on the Medjerda river basin (Tunisia). Physics and Chemistry of the Earth, 2005, 30, 497-507.	1.2	131
196	Modelling nitrogen pressure in river basins: A comparison between a statistical approach and the physically-based SWAT model. Physics and Chemistry of the Earth, 2005, 30, 508-517.	1.2	37
197	Sensitivity analysis for hydrology and pesticide supply towards the river in SWAT. Physics and Chemistry of the Earth, 2005, 30, 518-526.	1.2	190
198	Development and evaluation of Soil Moisture Deficit Index (SMDI) and Evapotranspiration Deficit Index (ETDI) for agricultural drought monitoring. Agricultural and Forest Meteorology, 2005, 133, 69-88.	1.9	599
199	Decision Support for Watershed Management Using Evolutionary Algorithms. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 35-44.	1.3	75
200	Parallel Shuffled Complex Evolution Algorithm for Calibration of Hydrological Models., 2006,,.		7
201	Spatial agreement between two landâ€cover data sets stratified by agricultural ecoâ€regions. International Journal of Remote Sensing, 2006, 27, 3223-3238.	1.3	5
202	Modeling of river dynamics of phosphorus under unsteady flow conditions. Water Resources Research, 2006, 42, .	1.7	7
203	Cost-effective allocation of watershed management practices using a genetic algorithm. Water Resources Research, 2006, 42, .	1.7	171

#	Article	IF	CITATIONS
204	Applying SWAT for TMDL programs to a small watershed containing rice paddy fields. Agricultural Water Management, 2006, 79, 72-92.	2.4	113
205	Diffuse source apportionment of the Po river eutrophying load to the Adriatic sea: Assessment of Lombardy contribution to Po river nutrient load apportionment by means of an integrated modelling approach. Chemosphere, 2006, 65, 2168-2177.	4.2	22
206	Perspectives on the potential for hydropedology to improve watershed modeling of phosphorus loss. Geoderma, 2006, 131, 299-307.	2.3	32
207	Regionalising the available water capacity from readily available data. Geoderma, 2006, 132, 391-405.	2.3	8
208	Regional scale modelling of hillslope sediment delivery with SRTM elevation data. Geomorphology, 2006, 81, 128-140.	1.1	60
209	Regionalisation of the parameters of a hydrological model: Comparison of linear regression models with artificial neural nets. Journal of Hydrology, 2006, 319, 245-265.	2.3	114
210	A global sensitivity analysis tool for the parameters of multi-variable catchment models. Journal of Hydrology, 2006, 324, 10-23.	2.3	980
211	Bayesian estimation of export coefficients from diffuse and point sources in Swiss watersheds. Journal of Hydrology, 2006, 329, 207-223.	2.3	47
212	HYDROLOGIC EVALUATION OF THE SOIL AND WATER ASSESSMENT TOOL FOR A LARGE TILE-DRAINED WATERSHED IN IOWA. Transactions of the ASABE, 2006, 49, 413-422.	1.1	141
213	Calibration and Validation of SWAT for Field-scale Sediment-Yield Prediction., 2006,,.		2
214	Predicting Soil Erosion for Alternative Land Uses. Journal of Environmental Quality, 2006, 35, 459-467.	1.0	40
215	Automatic Calibration and Predictive Uncertainty Analysis of a Semidistributed Watershed Model. Vadose Zone Journal, 2006, 5, 248-260.	1.3	32
216	Trans-Disciplinary Soil Physics Research Critical to Synthesis and Modeling of Agricultural Systems. Soil Science Society of America Journal, 2006, 70, 311-326.	1.2	62
217	MODELING AND RISK ANALYSIS OF NONPOINT-SOURCE POLLUTION CAUSED BY ATRAZINE USING SWAT. Transactions of the ASABE, 2006, 49, 667-678.	1.1	33
218	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
219	Environmental and ecological hydroinformatics to support the implementation of the European Water Framework Directive for river basin management. Journal of Hydroinformatics, 2006, 8, 239-252.	1.1	23
220	MODELING LONG-TERM WATER QUALITY IMPACT OF STRUCTURAL BMPS. Transactions of the ASABE, 2006, 49, 367-374.	1.1	191
221	EVALUATION OF SWAT IN SIMULATING NITRATE NITROGEN AND ATRAZINE FATES IN A WATERSHED WITH TILES AND POTHOLES. Transactions of the ASABE, 2006, 49, 949-959.	1.1	45

#	Article	IF	CITATIONS
222	Influences of Potential Evapotranspiration Estimation Methods on SWAT's Hydrologic Simulation in a Northwestern Minnesota Watershed. Transactions of the ASABE, 2006, 49, 1755-1771.	1.1	73
223	Plant Growth Component of a Simple Rye Growth Model. Transactions of the ASABE, 2006, 49, 1569-1578.	1.1	22
224	SIMULATING WATER QUALITY IMPROVEMENTS IN THE UPPER NORTH BOSQUE RIVER WATERSHED DUE TO PHOSPHORUS EXPORT THROUGH TURFGRASS SOD. Transactions of the ASABE, 2006, 49, 357-366.	1.1	29
225	Multi-Objective Automatic Calibration of a Semi-Distributed Watershed Model using Pareto Ordering Optimization and Genetic Algorithm. , 2006, , .		0
226	MODELING OF NONPOINT SOURCES IN TICKFAW RIVER WATERSHED., 0,,.		0
227	A Java-Based, Object-Oriented Modeling System for Southern African Hydrology. Transactions of the ASABE, 2006, 49, 1419-1433.	1.1	10
228	Watershed Modeling Uncertainty from Spatial Rainfall Variability., 2006,,.		0
229	Changes in Streambank Erodibility and Critical Shear Stress Due to Subaerial Processes. , 2006, , .		3
230	Nitrate pollution risk assessment: from the model to the indicator. International Journal of Agricultural Resources, Governance and Ecology, 2006, 5, 206.	0.1	7
231	Integrated remote sensing and hydrological models for water balance in mountain watersheds. , 2006, 6359, 199.		0
232	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
233	Modeling Phosphorus Transfer between Labile and Nonlabile Soil Pools. Soil Science Society of America Journal, 2006, 70, 736-743.	1.2	42
234	Calibration and uncertainty issues of a hydrological model (SWAT) applied to West Africa. Advances in Geosciences, 2006, 9, 137-143.	12.0	100
235	Methods to quantify and identify the sources of uncertainty for river basin water quality models. Water Science and Technology, 2006, 53, 51-59.	1.2	176
236	A standard interface between simulation programs and systems analysis software. Water Science and Technology, 2006, 53, 267-275.	1.2	20
237	Potential for a Rye Cover Crop to Reduce Nitrate Loss in Southwestern Minnesota. Agronomy Journal, 2006, 98, 1416-1426.	0.9	82
238	ARCGIS-SWAT: A GEODATA MODEL AND GIS INTERFACE FOR SWAT. Journal of the American Water Resources Association, 2006, 42, 295-309.	1.0	147
239	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

#	Article	IF	Citations
240	ESTIMATING TMDL BACKGROUND SUSPENDED SEDIMENT LOADING TO GREAT LAKES TRIBUTARIES FROM EXISTING DATA. Journal of the American Water Resources Association, 2006, 42, 769-776.	1.0	4
241	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
242	WATERSHED LEVEL BEST MANAGEMENT PRACTICE SELECTION AND PLACEMENT IN THE TOWN BROOK WATERSHED, NEW YORK (sup) 1 (/sup). Journal of the American Water Resources Association, 2006, 42, 1565-1581.	1.0	58
243	A modeling approach to evaluate the impacts of water quality management plans implemented in a watershed in Texas. Environmental Modelling and Software, 2006, 21, 1141-1157.	1.9	248
244	Environmental and economic analysis of switchgrass production for water quality improvement in northeast Kansas. Journal of Environmental Management, 2006, 79, 336-347.	3.8	75
245	Alternative practices for sediment and nutrient loss control on livestock farms in northeast Iowa. Agriculture, Ecosystems and Environment, 2006, 117, 135-144.	2.5	74
246	Monte Carlo assessment of uncertainty in the simulated hydrological response to land use change. Environmental Modeling and Assessment, 2006, 11, 209-218.	1.2	29
247	Agricultural Land Use and Best Management Practices to Control Nonpoint Water Pollution. Environmental Management, 2006, 38, 253-266.	1.2	38
248	TUCAI: An Integrated Simulation Tool for Ecological Assessment of Alternative Water Management Strategies in a Degraded River Delta. Environmental Management, 2006, 38, 638-653.	1.2	17
249	Preliminary study on assessment of nutrient transport in the Taihu Basin based on SWAT modeling. Science in China Series D: Earth Sciences, 2006, 49, 135-145.	0.9	34
250	Delineation and parameterization of banikdih watershed using remote sensing and avswat model. Journal of the Indian Society of Remote Sensing, 2006, 34, 143-152.	1.2	7
251	Modeling diffuse pollution loading into a Mediterranean lagoon: Development and application of an integrated surface–subsurface model tool. Ecological Modelling, 2006, 193, 4-18.	1.2	52
252	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
253	Assessment of Management Practices in a Small Agricultural Watershed in Southeast China. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 1257-1269.	0.9	8
254	Simulation of Natural and Social Process Interactions. Social Science Computer Review, 2006, 24, 209-226.	2.6	17
255	Evaluation of Programs for Regulating Withdrawal of Surface Water under the Riparian Legal System. Journal of Water Resources Planning and Management - ASCE, 2006, 132, 385-394.	1.3	5
256	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.	0.8	284
257	A global and efficient multi-objective auto-calibration and uncertainty estimation method for water quality catchment models. Journal of Hydroinformatics, 2007, 9, 277-291.	1.1	105

#	Article	IF	CITATIONS
258	An evaluation of the performance of the soil temperature simulation algorithms used in the PRZM model. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 661-670.	0.9	6
259	Research on Runoff Sub-model of Non-point Source Pollution Model. Water International, 2007, 32, 428-438.	0.4	3
260	Hydrology and Nitrogen Components of a Simple Rye Growth Model. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 90-99.	0.6	4
261	Storm Event and Continuous Hydrologic Modeling for Comprehensive and Efficient Watershed Simulations. Journal of Hydrologic Engineering - ASCE, 2007, 12, 605-616.	0.8	56
262	Sensitivity of a Distributed Watershed Simulation Model to Spatial Scale. Journal of Hydrologic Engineering - ASCE, 2007, 12, 163-172.	0.8	48
263	On integrating water yield models with forest planning efforts. Water Policy, 2007, 9, 631-643.	0.7	11
264	Climate forecast and prediction product dissemination for agriculture in the United States. Australian Journal of Agricultural Research, 2007, 58, 966.	1.5	17
265	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
266	SWAT-predicted influence of different landscape and cropping system alterations on phosphorus mobility within the Pike River watershed of south-western QuA©bec. Canadian Journal of Soil Science, 2007, 87, 329-344.	0.5	20
267	Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. Transactions of the ASABE, 2007, 50, 885-900.	1.1	7,902
268	Influence of Landscape and Cropping System on Phosphorus Mobility within the Pike River Watershed of Southwestern Quebec: Model Parameterization and Validation. Canadian Water Resources Journal, 2007, 32, 21-42.	0.5	13
269	Hydrological approaches to the delineation of criticalâ€source areas of runoff. New Zealand Journal of Agricultural Research, 2007, 50, 249-265.	0.9	19
270	Sediment input and evolution of lacustrine deltas: The Breggia and Greggio rivers case study (Lake) Tj ETQq0 0 0	rgBT /Ove	rlock 10 Tf 50
271	A comparison of SWAT, HSPF and SHETRAN/GOPC for modelling phosphorus export from three catchments in Ireland. Water Research, 2007, 41, 1065-1073.	5.3	89
272	Simiyu River catchment parameterization using SWAT model. Physics and Chemistry of the Earth, 2007, 32, 1032-1039.	1,2	60
273	An integrated modelling approach for the management of clam farming in coastal lagoons. Aquaculture, 2007, 269, 306-320.	1.7	49
274	Development of a regional hydrologic soil model and application to the Beerze–Reusel drainage basin. Environmental Pollution, 2007, 148, 855-866.	3.7	11
275	Considering spatial distribution and functionality of forests in a modeling framework for river basin management. Forest Ecology and Management, 2007, 248, 17-25.	1.4	10

#	Article	IF	CITATIONS
276	A probabilistic approach for analysis of uncertainty in the evaluation of watershed management practices. Journal of Hydrology, 2007, 333, 459-471.	2.3	160
277	Modelling hydrology and water quality in the pre-alpine/alpine Thur watershed using SWAT. Journal of Hydrology, 2007, 333, 413-430.	2.3	1,511
278	Predicting the spatial patterns of hillslope sediment delivery to river channels in the Murrumbidgee catchment, Australia. Journal of Hydrology, 2007, 334, 440-454.	2.3	102
279	Sensitivity Analysis of Model Predictions for Phosphorus Transport in Watersheds., 2007,,.		O
280	Improved estimation of wetland cover in the western Canadian boreal forest. Lake and Reservoir Management, 2007, 23, 245-254.	0.4	7
281	Watershed calibration using multistart local optimization and evolutionary optimization with radial basis function approximation. Hydrological Sciences Journal, 2007, 52, 450-465.	1.2	43
282	Cannonsville Reservoir Watershed SWAT2000 model development, calibration and validation. Journal of Hydrology, 2007, 337, 68-86.	2.3	129
283	Water and soil resources response to rising levels of atmospheric CO2 concentration and to changes in precipitation and air temperature. Journal of Hydrology, 2007, 337, 159-171.	2.3	86
284	Hydrologic response to climatic variability in a Great Lakes Watershed: A case study with the SWAT model. Journal of Hydrology, 2007, 337, 187-199.	2.3	118
285	Consideration of measurement uncertainty in the evaluation of goodness-of-fit in hydrologic and water quality modeling. Journal of Hydrology, 2007, 337, 326-336.	2.3	232
286	Hydrological modelling of the Chaohe Basin in China: Statistical model formulation and Bayesian inference. Journal of Hydrology, 2007, 340, 167-182.	2.3	188
287	Problems with heterogeneity in physically based agricultural catchment models. Journal of Hydrology, 2007, 342, 1-16.	2.3	27
288	Impacts of environmental change on water resources in the Mt. Kenya region. Journal of Hydrology, 2007, 343, 266-278.	2.3	85
289	Dynamically dimensioned search algorithm for computationally efficient watershed model calibration. Water Resources Research, 2007, 43, .	1.7	553
290	A climatological study of evapotranspiration and moisture stress across the continental United States based on thermal remote sensing: 1. Model formulation. Journal of Geophysical Research, 2007, 112, .	3.3	529
291	Multiobjective sensitivity analysis of sediment and nitrogen processes with a watershed model. Water Resources Research, 2007, 43, .	1.7	39
292	Bayesian uncertainty analysis in distributed hydrologic modeling: A case study in the Thur River basin (Switzerland). Water Resources Research, 2007, 43, .	1.7	99
293	Little River Experimental Watershed, Tifton, Georgia, United States: A geographic database. Water Resources Research, 2007, 43, .	1.7	16

#	ARTICLE	IF	CITATIONS
294	Simulation de l'effet de changements de pratiques agricoles sur la qualité des eaux avec le modèle SWAT. Revue Des Sciences De L'Eau, 0, 20, 395-408.	0.2	10
295	The Use of HydroWAMIT and WASP for Modeling Large Scale Watersheds in New Jersey. , 2007, , .		0
296	Physically Based Simulation of Potential Effects of Carbon Dioxide–Altered Climates on Groundwater Recharge. Vadose Zone Journal, 2007, 6, 597-609.	1.3	67
297	Hydrologic and Atrazine Simulation of the Cedar Creek Watershed Using the SWAT Model. Journal of Environmental Quality, 2007, 36, 521-531.	1.0	77
298	Water Quality Modeling for the Raccoon River Watershed Using SWAT. Transactions of the ASABE, 2007, 50, 479-493.	1.1	129
299	Predicting Hydrologic Response to Climate Change in the Luohe River Basin Using the SWAT Model. Transactions of the ASABE, 2007, 50, 901-910.	1.1	97
300	Simulating Management Effects on Phosphorus Loss from Farming Systems. Transactions of the ASABE, 2007, 50, 1443-1453.	1.1	21
301	Soil and Water Assessment Tool Hydrologic and Water Quality Evaluation of Poultry Litter Application to Small-Scale Subwatersheds in Texas. Transactions of the ASABE, 2007, 50, 1199-1209.	1.1	24
302	A Framework for Trading Phosphorus Credits in the Lake Allatoona Watershed. , 2007, , .		0
303	Analysis of Watershed Physical and Hydrological Effects on Baseflow Separation. , 2007, , .		1
304	Modeling Riverine Nitrate Export from an East-Central Illinois Watershed Using SWAT. Journal of Environmental Quality, 2007, 36, 996-1005.	1.0	69
305	A Model for Phosphorus Transformation and Runoff Loss for Surface-Applied Manures. Journal of Environmental Quality, 2007, 36, 324-332.	1.0	89
306	Modeling phosphorus in the upper Etowah River basin: identifying sources under uncertainty. Water Science and Technology, 2007, 56, 29-37.	1.2	4
307	Evaluation of Nutrient Management Plans Using an Integrated Modeling Approach. Applied Engineering in Agriculture, 2007, 23, 747-755.	0.3	11
308	Assessing the model performance of an integrated hydrological and biogeochemical model for discharge and nitrate load predictions. Hydrology and Earth System Sciences, 2007, 11, 997-1011.	1.9	17
309	Application of DRAINMOD-GIS to a Lower Coastal Plain Watershed. Transactions of the ASABE, 2007, 50, 439-447.	1.1	8
310	Evaluation of the Root Zone Water Quality Model (RZWQM) for Southern Ontario: Part II. Simulating Long-Term Effects of Nitrogen Management Practices on Crop Yield and Subsurface Drainage Water Quality. Water Quality Research Journal of Canada, 2007, 42, 219-230.	1.2	7
311	New Methods in Modeling Sources Specific Bacteria at Watershed Scale Using SWAT., 2007,,.		6

#	Article	IF	Citations
312	Chapel Branch Creek TMDL Development: Integrating TMDL Development with Implementation, 2007, , .		2
313	The Influence of Forested headwater Stream Hydrology on Target TMDLs. , 2007, , .		0
314	Storm event simulations in the Upper North Bosque River Watershed. , 2007, , .		0
315	Predicting Hydrology in Wetlands Designed for Coastal Stormwater Management. , 2007, , .		1
316	Validating and Applying the Enhanced Dynamic Fertilizer Model (SWAT-DFC)., 2007,,.		0
317	The Original USDA-ARS Experimental Watersheds in Texas and Ohio: Contributions from the Past and Visions for the Future. Transactions of the ASABE, 2007, 50, 1669-1675.	1.1	21
318	Sensitivity Analysis And Interdependence Of The SWAT Model Parameters., 2007,,.		2
319	Fecal Bacteria Source Characterization and Sensitivity Analysis of SWAT 2005., 2007,,.		0
320	Development of a multi-objective optimization tool for the selection and placement of BMPs for nonpoint source pollution control., 2007,,.		0
321	Comment on Cao W, Bowden BW, Davie T, Fenemor A. 2006. †Multi-variable and multi-site calibration and validation of SWAT in a large mountainous catchment with high spatial variability†M.Hydrological Processes 20(5): 1057-1073. Hydrological Processes, 2007, 21, 3226-3228.	1.1	17
322	Hydrological effects of climate change, groundwater withdrawal, and land use in a small Korean watershed. Hydrological Processes, 2007, 21, 3046-3056.	1.1	62
323	Parameter estimation in semi-distributed hydrological catchment modelling using a multi-criteria objective function. Hydrological Processes, 2007, 21, 2998-3008.	1.1	49
324	Impact of time-scale of the calibration objective function on the performance of watershed models. Hydrological Processes, 2007, 21, 3409-3419.	1.1	28
325	Evaluation of landscape and instream modeling to predict watershed nutrient yields. Environmental Modelling and Software, 2007, 22, 987-999.	1.9	38
326	A web-based GIS Decision Support System for managing and planning USDA's Conservation Reserve Program (CRP). Environmental Modelling and Software, 2007, 22, 1270-1280.	1.9	87
327	The Automated Geospatial Watershed Assessment tool. Environmental Modelling and Software, 2007, 22, 365-377.	1.9	124
328	Assessing SWAT model performance in the evaluation of management actions for the implementation of the Water Framework Directive in a Finnish catchment. Environmental Modelling and Software, 2007, 22, 719-724.	1.9	88
329	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

#	Article	IF	Citations
330	EVALUATION OF THE APPLICABILITY OF THE SWAT MODEL FOR COASTAL WATERSHEDS IN SOUTHEASTERN LOUISIANA1. Journal of the American Water Resources Association, 2007, 42, 1247-1260.	1.0	11
331	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
332	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
333	Automatic Calibration of Hydrologic Models With Multi-Objective Evolutionary Algorithm and Pareto Optimization. Journal of the American Water Resources Association, 2007, 43, 981-989.	1.0	90
334	Hydrologic Modeling Uncertainty Resulting From Land Cover Misclassification. Journal of the American Water Resources Association, 2007, 43, 1065-1075.	1.0	20
335	Using monthly weather statistics to generate daily data in a SWAT model application to West Africa. Ecological Modelling, 2007, 201, 301-311.	1.2	116
336	Integration of a detailed biogeochemical model into SWAT for improved nitrogen predictionsâ€"Model development, sensitivity, and GLUE analysis. Ecological Modelling, 2007, 203, 215-228.	1.2	55
337	Analysing the effects of soil properties changes associated with land use changes on the simulated water balance: A comparison of three hydrological catchment models for scenario analysis. Ecological Modelling, 2007, 209, 29-40.	1.2	85
338	Urbanization within a Dynamic Environment: Modeling Bronze Age Communities in Upper Mesopotamia. American Anthropologist, 2007, 109, 52-68.	0.7	78
339	Estimation of nitrogen and phosphorus losses to surface water and groundwater through the implementation of the SWAT model for Norwegian soils. Journal of Soils and Sediments, 2007, 7, 223-231.	1.5	31
340	Nutrient loads to surface water from row crop production. International Journal of Life Cycle Assessment, 2007, 12, 399-407.	2.2	37
341	A riverscape perspective on habitat associations among riverine bird assemblages in the Lake Champlain Basin, USA. Landscape Ecology, 2007, 22, 1169-1186.	1.9	31
342	Modelling the Effectiveness of Agricultural Measures to Reduce the Amount of Pesticides Entering Surface Waters. Water Resources Management, 2007, 21, 2027-2035.	1.9	32
343	Regional Non point Source Organic Pollution Modeling and Critical Area Identification for Watershed Best Environmental Management. Water, Air, and Soil Pollution, 2007, 187, 251-261.	1.1	23
344	Environmental and economic impacts of water scarcity and market reform on the Mooki catchment. The Environmentalist, 2007, 27, 39-49.	0.7	4
345	A 200-year historical modeling of catchment nutrient changes in Taihu basin, China. Hydrobiologia, 2007, 581, 79-87.	1.0	12
346	The non-point source pollution in livestock-breeding areas of the Heihe River basin in Yellow River. Stochastic Environmental Research and Risk Assessment, 2007, 21, 213-221.	1.9	40
347	Nonpoint Source Pollution Assessment of Wujiang RiverWatershed in Guizhou Province, SW China. Environmental Modeling and Assessment, 2008, 13, 155-167.	1.2	5

#	Article	IF	Citations
348	A Stream Network Model for Integrated Watershed Modeling. Environmental Modeling and Assessment, 2008, 13, 291-303.	1.2	16
349	Nonpoint Source Pollution Responses Simulation for Conversion Cropland to Forest in Mountains by SWAT in China. Environmental Management, 2008, 41, 79-89.	1.2	48
350	Detecting Temporal Change in Watershed Nutrient Yields. Environmental Management, 2008, 42, 223-231.	1.2	28
351	Impacts of land cover changes on runoff and sediment in the Cedar Creek Watershed, St. Joseph River, Indiana, United States. Journal of Mountain Science, 2008, 5, 113-121.	0.8	9
352	Physicallyâ€based modelling of doubleâ€peak discharge responses at Slapton Wood catchment. Hydrological Processes, 2008, 22, 1419-1430.	1.1	16
353	Hydrologic comparison between a forested and a wetland/lake dominated watershed using SWAT. Hydrological Processes, 2008, 22, 1431-1442.	1.1	43
354	Modelling hydrological response to different landâ€use and climate change scenarios in the Zamu River basin of northwest China. Hydrological Processes, 2008, 22, 2502-2510.	1.1	160
355	Development of a SWAT extension module to simulate riparian wetland hydrologic processes at a watershed scale. Hydrological Processes, 2008, 22, 2901-2915.	1.1	69
356	Representation of agricultural conservation practices with SWAT. Hydrological Processes, 2008, 22, 3042-3055.	1.1	303
357	Effects of subsurface drainage tiles on streamflow in Iowa agricultural watersheds: Exploratory hydrograph analysis. Hydrological Processes, 2008, 22, 4497-4506.	1.1	132
358	Intercomparison of remote sensingâ€based models for estimation of evapotranspiration and accuracy assessment based on SWAT. Hydrological Processes, 2008, 22, 4850-4869.	1.1	56
359	Comparison of artificial neural network models for hydrologic predictions at multiple gauging stations in an agricultural watershed. Hydrological Processes, 2008, 22, 5097-5106.	1.1	91
360	Global scientific production on GIS research by bibliometric analysis from 1997 to 2006. Journal of Informetrics, 2008, 2, 65-74.	1.4	80
361	Assessment of a turfgrass sod best management practice on water quality in a suburban watershed. Journal of Environmental Management, 2008, 86, 229-245.	3.8	16
362	Effects of soil data resolution on SWAT model stream flow and water quality predictions. Journal of Environmental Management, 2008, 88, 393-406.	3.8	131
363	Modelling the point and non-point nitrogen loads to the Venice Lagoon (Italy): the application of water quality models to the Dese-Zero basin. Desalination, 2008, 226, 81-88.	4.0	26
364	Source apportionment of nutrients in Estonian rivers. Desalination, 2008, 226, 222-230.	4.0	16
365	Modifications to the SWAT code for modelling direct pesticide losses. Environmental Modelling and Software, 2008, 23, 72-81.	1.9	53

#	Article	IF	CITATIONS
366	Autocalibration in hydrologic modeling: Using SWAT2005 in small-scale watersheds. Environmental Modelling and Software, 2008, 23, 422-434.	1.9	156
367	Coupling upland watershed and downstream waterbody hydrodynamic and water quality models (SWAT and CE-QUAL-W2) for better water resources management in complex river basins. Environmental Modeling and Assessment, 2008, 13, 135-153.	1.2	113
368	An empirical model for dissolved phosphorus in runoff from surface-applied fertilizers. Agriculture, Ecosystems and Environment, 2008, 127, 59-65.	2.5	49
369	Runoff Simulation of the Headwaters of the Yellow River Using The SWAT Model With Three Snowmelt Algorithms < sup > 1 < / sup > 1 < su	1.0	135
370	Mechanistic Simulation of Tree Effects in an Urban Water Balance Model < sup>1 < /sup>. Journal of the American Water Resources Association, 2008, 44, 75-85.	1.0	139
371	Impacts of Alternative Manure Application Rates on Texas Animal Feeding Operations: A Macro Level Analysis. Journal of the American Water Resources Association, 2008, 44, 562-576.	1.0	5
372	Integrated Modular Modeling of Water and Nutrients From Point and Nonpoint Sources in the Patuxent River Watershed $<$ sup $>$ 1 $<$ sup $>$ 1. Journal of the American Water Resources Association, 2008, 44, 700-723.	1.0	10
373	Spatial Calibration and Temporal Validation of Flow for Regional Scale Hydrologic Modeling < sup > 1 < /sup > . Journal of the American Water Resources Association, 2008, 44, 829-846.	1.0	64
374	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
375	Scaling issues in sustainable management of nutrient losses. Soil Use and Management, 2005, 21, 160-166.	2.6	3
376	Integrated ecological-economic modelling of water pollution abatement management options in the Upper Ems River Basin. Ecological Economics, 2008, 66, 66-76.	2.9	105
377	Simulating pesticides in ditches to assess ecological risk (SPIDER): I. Model description. Science of the Total Environment, 2008, 394, 112-123.	3.9	24
378	Assessing the effectiveness of actions to mitigate nutrient loss from agriculture: A review of methods. Science of the Total Environment, 2008, 406, 1-23.	3.9	198
379	Comparing uncertainty analysis techniques for a SWAT application to the Chaohe Basin in China. Journal of Hydrology, 2008, 358, 1-23.	2.3	634
380	Re-conceptualizing the soil and water assessment tool (SWAT) model to predict runoff from variable source areas. Journal of Hydrology, 2008, 348, 279-291.	2.3	239
381	Calibration of a distributed hydrological model based on satellite evapotranspiration. Journal of Hydrology, 2008, 349, 411-424.	2.3	284
382	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
383	Uncertainty assessment of integrated distributed hydrological models using GLUE with Markov chain Monte Carlo sampling. Journal of Hydrology, 2008, 353, 18-32.	2.3	162

#	Article	IF	CITATIONS
384	Hydrologic impacts of engineering projects on the Tigris–Euphrates system and its marshlands. Journal of Hydrology, 2008, 353, 59-75.	2.3	58
385	Development and application of the integrated SWAT–MODFLOW model. Journal of Hydrology, 2008, 356, 1-16.	2.3	307
386	The influence of impoundments on riverine nutrient transport: An evaluation using the Soil and Water Assessment Tool. Journal of Hydrology, 2008, 355, 131-147.	2.3	71
387	Regularityâ€based functional streamflow disaggregation: 2. Extended demonstration. Water Resources Research, 2008, 44, .	1.7	7
388	Assessing nitrogen pressures on European surface water. Global Biogeochemical Cycles, 2008, 22, .	1.9	59
389	Combining a spatial model with geochemical tracers and river station data to construct a catchment sediment budget. Water Resources Research, 2008, 44, .	1.7	28
390	Modeling blue and green water availability in Africa. Water Resources Research, 2008, 44, .	1.7	281
391	Regularityâ€based functional streamflow disaggregation: 1. Comprehensive foundation. Water Resources Research, 2008, 44, .	1.7	7
392	Modeling N Dynamics to Assess Environmental Impacts of Cropped Soils. Advances in Agronomy, 2008, 97, 131-174.	2.4	62
393	Watershed Sediment Yield. , 2008, , 827-858.		10
394	SWAT developments and recommendations for modelling agricultural pesticide mitigation measures in river basins. Hydrological Sciences Journal, 2008, 53, 1075-1089.	1.2	31
395	Modeling the Impact of Land-Cover and Rainfall Regime Change Scenarios on the Flow of Mara River, Kenya., 2008,,.		6
397	Spatial Distributions and Stochastic Parameter Influences on SWAT Flow and Sediment Predictions. Journal of Hydrologic Engineering - ASCE, 2008, 13, 258-269.	0.8	47
398	Investigating agricultural sustainability and strategies in northern Mesopotamia: results produced using a socio-ecological modeling approach. Journal of Archaeological Science, 2008, 35, 821-835.	1.2	57
399	Applications of AnnAGNPS model for soil loss estimation and nutrient loading for Malaysian conditions. International Journal of Applied Earth Observation and Geoinformation, 2008, 10, 239-252.	1.4	53
400	Can payments for ecosystem services secure the water tower of Tibet?. Agricultural Systems, 2008, 96, 52-63.	3.2	55
401	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
402	Dynamic modeling of organophosphate pesticide load in surface water in the northern San Joaquin Valley watershed of California. Environmental Pollution, 2008, 156, 1171-1181.	3.7	76

#	Article	IF	CITATIONS
403	Modelling the impacts of environmental changes on hydrological regimes in the Hei River Watershed, China. Global and Planetary Change, 2008, 61, 175-193.	1.6	36
404	Evaluation of suspended load changes using AnnAGNPS and SWAT semi-empirical erosion models. Catena, 2008, 73, 286-299.	2.2	46
405	DEVELOPMENT OF AN OPTIMAL WATER ALLOCATION DECISION TOOL FOR THE MAJOR CROPS DURING THE WATER DEFICIT PERIOD IN THE SOUTHEAST UNITED STATES. Natural Resource Modelling, 2008, 18, 281-306.	0.8	4
406	Advances in ecohydrological modelling with SWATâ€"a review. Hydrological Sciences Journal, 2008, 53, 939-947.	1.2	147
407	Prediction of channel degradation rates in urbanizing watersheds. Hydrological Sciences Journal, 2008, 53, 1013-1029.	1.2	13
408	Evaluating Bacteriophage P22 as a Tracer in a Complex Surface Water System: The Grand River, Michigan. Environmental Science & Eamp; Technology, 2008, 42, 2426-2431.	4.6	35
409	Hydrological modelling with SWAT under conditions of limited data availability: evaluation of results from a Chilean case study. Hydrological Sciences Journal, 2008, 53, 588-601.	1.2	129
410	Current concepts in nitrogen dynamics for mesoscale catchments. Hydrological Sciences Journal, 2008, 53, 1059-1074.	1.2	39
411	Modelling hydrological processes in mesoscale lowland river basins with SWATâ€"capabilities and challenges. Hydrological Sciences Journal, 2008, 53, 989-1000.	1.2	46
412	Conservation practices and gully erosion contributions in the Topashaw Canal watershed. Journal of Soils and Water Conservation, 2008, 63, 420-429.	0.8	26
413	Spatial Variability and Persistence of Soil Moisture in Oklahoma. Physical Geography, 2008, 29, 121-139.	0.6	4
414	Fit-for-purpose analysis of uncertainty using split-sampling evaluations. Hydrological Sciences Journal, 2008, 53, 1090-1103.	1.2	42
415	Application of a SWAT model for estimating runoff and sediment in two mountainous basins in central Iran. Hydrological Sciences Journal, 2008, 53, 977-988.	1.2	200
416	Plant growth simulation for landscape-scale hydrological modelling. Hydrological Sciences Journal, 2008, 53, 1030-1042.	1.2	32
417	Curve number estimates for conventional and conservation tillages in the southeastern Coastal Plain. Journal of Soils and Water Conservation, 2008, 63, 120-128.	0.8	24
418	Numerical analysis of coupled hydrosystems based on an object-oriented compartment approach. Journal of Hydroinformatics, 2008, 10, 227-244.	1.1	36
419	Quantitative Research on Temporal and Spatial Distributions of Green Water on Basin Scale., 2008,,.		0
420	Constructing Retrospective Gridded Daily Precipitation and Temperature Datasets for the Conterminous United States. Journal of Applied Meteorology and Climatology, 2008, 47, 475-497.	0.6	226

#	ARTICLE	IF	CITATIONS
421	Modeling runoff and sediment yields from combined in-field crop practices using the Soil and Water Assessment Tool. Journal of Soils and Water Conservation, 2008, 63, 193-203.	0.8	17
422	Conservation Effects Assessment Project research in the Leon River and Riesel watersheds. Journal of Soils and Water Conservation, 2008, 63, 453-460.	0.8	16
423	Hydrologic and Water Quality Integration Tool: HydroWAMIT. Journal of Environmental Engineering, ASCE, 2008, 134, 600-609.	0.7	3
424	Fitting of Time Series Models to Forecast Streamflow and Groundwater Using Simulated Data from Swat. Journal of Hydrologic Engineering - ASCE, 2008, 13, 554-562.	0.8	10
425	Watershed Physical and Hydrological Effects on Baseflow Separation. Journal of Hydrologic Engineering - ASCE, 2008, 13, 971-980.	0.8	6
426	Application of the Soil and Water Assessment Tool and Annualized Agricultural Non-Point Source models in the St. Joseph River watershed. Journal of Soils and Water Conservation, 2008, 63, 552-568.	0.8	32
427	Analysis of Uncertainty in Evaluation of Watershed Management Practices. , 2008, , .		0
428	Watershed Models., 2008,, 3748-3759.		1
429	The Conservation Effects Assessment Project benchmark watersheds: Synthesis of preliminary findings. Journal of Soils and Water Conservation, 2008, 63, 590-604.	0.8	98
430	Modification of SWAT for modelling streamflow from forested watersheds on the Canadian Boreal Plain. Journal of Environmental Engineering and Science, 2008, 7, 145-159.	0.3	16
431	A multi-species, process based vegetation simulation module to simulate successional forest regrowth after forest disturbance in daily time step hydrological transport models. Journal of Environmental Engineering and Science, 2008, 7, 127-143.	0.3	10
432	Science and the industrial planning process in the western Canadian boreal forest: a case study. Journal of Environmental Engineering and Science, 2008, 7, 1-12.	0.3	2
433	Effect of watershed subdivision on water-phase phosphorus modelling: An artificial neural network modelling application. Journal of Environmental Engineering and Science, 2008, 7, 95-108.	0.3	9
434	Development of opinion-based generic reforestation regimes and their application in vegetation management and water modelling in the Upper and Lower Foothills of Alberta. Journal of Environmental Engineering and Science, 2008, 7, 23-33.	0.3	1
435	Modeling the Stream Water Nitrate Dynamics in a 60,000â€km ² European Catchment, the Garonne, Southwest France. Journal of Environmental Quality, 2008, 37, 2155-2169.	1.0	16
436	Targeting vs. Optimization: Critical Evaluation of BMP Implementation Plan for Watershed Management. , 2008, , .		0
437	Improving Distributed Runoff Prediction in Urbanized Catchments with Remote Sensing based Estimates of Impervious Surface Cover. Sensors, 2008, 8, 910-932.	2.1	82
438	Predicting effects of best management practices on sediment loads to improve watershed management in the Midwest, USA. International Journal of River Basin Management, 2008, 6, 243-256.	1.5	8

#	Article	IF	CITATIONS
439	Multi-Site Calibration of the SWAT Model for Hydrologic Modeling. Transactions of the ASABE, 2008, 51, 2039-2049.	1.1	122
440	A Stochastic Diffusion Jump Model of Suspended Sediment Transport in Hydrologic Extreme Events. , 2008, , .		1
441	Rainfall-Runoff Modeling of the Chapel Branch Creek Watershed using GIS-based Rational and SCS-CN Methods. , 2008, , .		2
442	Water Quality Modeling of Fertilizer Management Impacts on Nitrate Losses in Tile Drains at the Field Scale. Journal of Environmental Quality, 2008, 37, 296-307.	1.0	47
443	Uncertainty Consideration in Watershed Scale Models. , 2008, , .		0
444	Simulation of an Agricultural Watershed Using an Improved Curve Number Method in SWAT. Transactions of the ASABE, 2008, 51, 1323-1339.	1.1	30
445	Quasi Steadyâ€State Simulation of the Unsaturated Zone in Groundwater Modeling of Lowland Regions. Vadose Zone Journal, 2008, 7, 769-781.	1.3	46
446	WATER QUALITY IMPACTS OF CORN PRODUCTION TO MEET BIOFUEL DEMANDS. , 2008, , .		0
447	Use of the SWAT Model to Quantify Water Quality Effects of Agricultural BMPs at the Farm-Scale Level. Transactions of the ASABE, 2008, 51, 1925-1936.	1.1	33
448	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
449	Incorporating water quantity and quality modelling into forest management. Forestry Chronicle, 2008, 84, 338-348.	0.5	8
450	The FORWARD Project: Objectives, framework and initial integration into a Detailed Forest Management Plan in Alberta. Forestry Chronicle, 2008, 84, 330-337.	0.5	10
451	Impact of Rainfall Spatial Variability on Runoff Using Swat Model. , 0, , 161-172.		0
452	Impacts of the Agricultural Expansion in the Brazilian Legal Amazon on the Surface Runoff Generation: A Study Case. , 2008, , .		0
453	Interactions of Woody Biofuel Feedstock Production Systems with Water Resources: Considerations for Sustainability. , 2008, , .		0
454	Using SWAT for Investigation and Water Quality Management of Zayandeh Roud Watershed in Esfahan. , 2008, , .		0
455	Development of a Multi-Objective Optimization Tool for the Selection and Placement of BMPs for Pesticide Control. , 2008, , .		0
456	Modeling a Small, Northeastern Watershed with Detailed, Field-Level Data. Transactions of the ASABE, 2008, 51, 471-483.	1.1	19

#	Article	IF	CITATIONS
457	Refinement and Validation of SWAT Model for Central Texas TMDL., 2008,,.		0
458	AnnAGNPS Application and Evaluation in NE Indiana. , 2008, , .		1
459	Sensitivity to Grid and Time Resolution of Hydrology Components of DANSAT. Transactions of the ASABE, 2009, 52, 1121-1128.	1.1	5
460	Streamflow Response to Climate and Landuse Changes in a Coastal Watershed in North Carolina. Transactions of the ASABE, 2009, 52, 739-749.	1.1	73
461	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
462	Multicriteria Review of Nonpoint Source Water Quality Models for Nutrients, Sediments, and Pathogens. Water Quality Research Journal of Canada, 2009, 44, 365-377.	1.2	8
463	Towards a definition of a real-time forecasting network for rainfall induced shallow landslides. Natural Hazards and Earth System Sciences, 2009, 9, 2119-2133.	1.5	61
464	Modeling Phosphorus in the Lake Allatoona Watershed Using SWAT: I. Developing Phosphorus Parameter Values. Journal of Environmental Quality, 2009, 38, 111-120.	1.0	23
465	Comparative predictions of discharge from an artificial catchment (Chicken Creek) using sparse data. Hydrology and Earth System Sciences, 2009, 13, 2069-2094.	1.9	97
466	Incorporation of a New Shallow Water Table Depth Algorithm into SWAT2005. Transactions of the ASABE, 2009, 52, 771-784.	1.1	11
467	Water availability, demand and reliability of in situ water harvesting in smallholder rain-fed agriculture in the Thukela River Basin, South Africa. Hydrology and Earth System Sciences, 2009, 13, 2329-2347.	1.9	28
468	A generic system dynamics model for simulating and evaluating the hydrological performance of reconstructed watersheds. Hydrology and Earth System Sciences, 2009, 13, 865-881.	1.9	35
469	Spatial Resolution Effect of Precipitation Data on SWAT Calibration and Performance: Implications for CEAP. Transactions of the ASABE, 2009, 52, 1171-1180.	1.1	33
470	Evaluating Nonpoint Source Critical Source Area Contributions at the Watershed Scale. Journal of Environmental Quality, 2009, 38, 1654-1663.	1.0	103
471	Assessing the water quality impacts of future land-use changes in an urbanising watershed. Civil Engineering and Environmental Systems, 2009, 26, 3-18.	0.4	33
472	Modelling the effect of land use and climate change on the water balance and nitrate leaching in eastern Denmark. Journal of Land Use Science, 2009, 4, 53-72.	1.0	12
473	Soil and Water Assessment Tool evaluation of soil and land use geographic information system data sets on simulated stream flow. Journal of Soils and Water Conservation, 2009, 64, 17-32.	0.8	28
474	Prototype Geographic Information System for Agricultural Water Quality Management Using CropSyst. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 58-67.	0.6	5

#	Article	IF	CITATIONS
475	Modeling river flows and sediment dynamics for the Laguna de Santa Rosa watershed in Northern California. Journal of Soils and Water Conservation, 2009, 64, 383-393.	0.8	10
476	Change in Surface Hydrology Due to Land Use Change in a Midwestern Watershed. , 2009, , .		1
477	Utilizing geographic information system (GIS) to determine optimum forest cover for minimizing runoff in a degraded watershed in Jamaica. International Forestry Review, 2009, 11, 375-393.	0.3	2
478	Wireless in-situ Sensor Network for Agriculture and Water Monitoring on a River Basin Scale in Southern Finland: Evaluation from a Data User's Perspective. Sensors, 2009, 9, 2862-2883.	2.1	78
479	Future of Drylands – An Overview of Evaluation and Impact Assessment Tools for Water Harvesting. , 2008, , 255-267.		3
480	Water Quality Impacts of Corn Production to Meet Biofuel Demands. Journal of Environmental Engineering, ASCE, 2009, 135, 1123-1135.	0.7	48
481	Comparison of Targeted Replacement and Vegetative Filter Strips for Sediment Control and Cost Effectiveness. Journal of Water Resources Planning and Management - ASCE, 2009, 135, 406-409.	1.3	9
482	An advanced modelling tool for simulating complex river systems. Science of the Total Environment, 2009, 407, 3004-3016.	3.9	49
483	Distribution and assessment of surface water contamination by application of chemometric and deterministic models. Journal of Hydrology, 2009, 369, 416-426.	2.3	19
484	A remote sensing solution for estimating runoff and recharge in arid environments. Journal of Hydrology, 2009, 373, 1-14.	2.3	133
485	Climate change sensitivity assessment of a highly agricultural watershed using SWAT. Journal of Hydrology, 2009, 374, 16-29.	2.3	282
486	Calibration and uncertainty analysis of the SWAT model using Genetic Algorithms and Bayesian Model Averaging. Journal of Hydrology, 2009, 374, 307-317.	2.3	187
487	Quantifying predictive uncertainty for a mountain-watershed model. Journal of Hydrology, 2009, 376, 170-181.	2.3	36
488	Understanding the hydrological functioning of a shallow lake system within a coastal karstic aquifer in Wales, UK. Journal of Hydrology, 2009, 376, 285-294.	2.3	12
489	Impacts of land use change and climate variability on hydrology in an agricultural catchment on the Loess Plateau of China. Journal of Hydrology, 2009, 377, 35-42.	2.3	598
490	Calibration of a groundwater model using pattern information from remote sensing data. Journal of Hydrology, 2009, 377, 120-130.	2.3	57
491	A neural network experiment on the simulation of daily nitrate-nitrogen and suspended sediment fluxes from a small agricultural catchment. Ecological Modelling, 2009, 220, 879-887.	1.2	37
492	Temporal-spatial dynamics of vegetation variation on non-point source nutrient pollution. Ecological Modelling, 2009, 220, 2702-2713.	1.2	44

#	Article	IF	CITATIONS
493	From meso- to macro-scale dynamic water quality modelling for the assessment of land use change scenarios. Ecological Modelling, 2009, 220, 2543-2558.	1.2	38
494	A reachâ€scale biogeochemical model for temporary rivers. Hydrological Processes, 2009, 23, 272-283.	1.1	12
495	Twoâ€dimensional physically based finite element runoff model for small agricultural watersheds: I. Model development. Hydrological Processes, 2009, 23, 397-407.	1.1	18
496	Evaluation of global optimization algorithms for parameter calibration of a computationally intensive hydrologic model. Hydrological Processes, 2009, 23, 430-441.	1.1	129
497	Modelling blue and green water resources availability in Iran. Hydrological Processes, 2009, 23, 486-501.	1,1	249
498	Comparison of AnnAGNPS and SWAT model simulation results in USDA EAP agricultural watersheds in southâ€eentral Kansas. Hydrological Processes, 2009, 23, 748-763.	1.1	139
499	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
500	Development of a simplistic vegetative filter strip model for sediment and nutrient retention at the field scale. Hydrological Processes, 2009, 23, 1602-1616.	1.1	82
501	Impact of climate change on the Hii River basin and salinity in Lake Shinji: a case study using the SWAT model and a regression curve. Hydrological Processes, 2009, 23, 1887-1900.	1.1	42
502	Hydrological modelling of the Kangsabati river under changed climate scenario: case study in India. Hydrological Processes, 2009, 23, 2394-2406.	1.1	38
503	Parameter estimation and uncertainty analysis of SWAT model in upper reaches of the Heihe river basin. Hydrological Processes, 2009, 23, 2744-2753.	1.1	95
504	The integration of thermal infrared imaging, discharge measurements and numerical simulation to quantify the relative contributions of freshwater inflows to small estuaries in Atlantic Canada. Hydrological Processes, 2009, 23, 2847-2859.	1.1	47
505	SWAT model application and prediction uncertainty analysis in the Lake Tana Basin, Ethiopia. Hydrological Processes, 2010, 24, 357-367.	1.1	108
506	Hydrological modelling of Ethiopian catchments using limited data. Hydrological Processes, 2009, 23, 3401-3408.	1.1	26
507	Assessment of runoff and sediment yield in the Miyun Reservoir catchment by using SWAT model. Hydrological Processes, 2009, 23, 3619-3630.	1.1	112
508	Spatial delineation of soil erosion vulnerability in the Lake Tana Basin, Ethiopia. Hydrological Processes, 2009, 23, 3738-3750.	1.1	119
509	Artificial neural network modelling of concentrations of nitrogen, phosphorus and dissolved oxygen in a nonâ€point source polluted river in Zhejiang Province, southeast China. Hydrological Processes, 2010, 24, 290-299.	1.1	20
510	The sensitivity of simulated flow and water quality response to spatial heterogeneity on a hillslope in the Tarrawarra catchment, Australia. Hydrological Processes, 2010, 24, 76-86.	1.1	8

#	ARTICLE	IF	CITATIONS
511	Validation and ecosystem applications of the EDEN waterâ€surface model for the Florida Everglades. Ecohydrology, 2009, 2, 182-194.	1.1	36
512	Climate change impact on SWAT simulated streamflow in western Kenya. International Journal of Climatology, 2009, 29, 1823-1834.	1.5	155
514	Assessing the impact of land use change on hydrology by ensemble modeling (LUCHEM). I: Model intercomparison with current land use. Advances in Water Resources, 2009, 32, 129-146.	1.7	177
515	Modeling watershed-scale effectiveness of agricultural best management practices to reduce phosphorus loading. Journal of Environmental Management, 2009, 90, 1385-1395.	3.8	99
516	Modeling N2O flux from an Illinois agroecosystem using Monte Carlo sampling of field observations. Biogeochemistry, 2009, 93, 31-48.	1.7	5
517	Modeling denitrification in a tile-drained, corn and soybean agroecosystem of Illinois, USA. Biogeochemistry, 2009, 93, 7-30.	1.7	95
518	Coupling climate change with hydrological dynamic in Qinling Mountains, China. Climatic Change, 2009, 94, 409-427.	1.7	28
519	Optimal Selection of Priority Development Areas Considering Tradeoffs Between Hydrology and Development Configuration. Environmental Modeling and Assessment, 2009, 14, 289-302.	1.2	4
520	AgInput: An Agricultural Nutrient and Pesticide Source Model. Environmental Modeling and Assessment, 2009, 14, 391-403.	1.2	2
521	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
522	Integrative assessment of hydrological, ecological, and economic systems for water resources management at river basin scale. Frontiers of Earth Science, 2009, 3, 198-207.	0.5	7
523	Simulation of nitrogen and phosphorus loads in the Dongjiang River basin in South China using SWAT. Frontiers of Earth Science, 2009, 3, 273-278.	0.5	17
524	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
525	The influence of topography and land use on water quality of Xiangxi River in Three Gorges Reservoir region. Environmental Geology, 2009, 58, 937-942.	1.2	102
526	Comparison of Two Spatial Optimization Techniques: A Framework to Solve Multiobjective Land Use Distribution Problems. Environmental Management, 2009, 43, 264-281.	1.2	23
527	Modeling Nitrate-Nitrogen Load Reduction Strategies for the Des Moines River, Iowa Using SWAT. Environmental Management, 2009, 44, 671-682.	1.2	78
528	Quantifying Potential Recharge in Mantled Sinkholes Using ERT. Ground Water, 2009, 47, 370-381.	0.7	12
529	Using SWAT to Model Streamflow in Two River Basins With Ground and Satellite Precipitation Data ¹ . Journal of the American Water Resources Association, 2009, 45, 253-271.	1.0	78

#	Article	IF	CITATIONS
530	Development of a Quantitative Pasture Phosphorus Management Tool Using the SWAT Model ¹ . Journal of the American Water Resources Association, 2009, 45, 397-406.	1.0	22
531	Approximating SWAT Model Using Artificial Neural Network and Support Vector Machine ¹ . Journal of the American Water Resources Association, 2009, 45, 460-474.	1.0	109
532	Evaluation of a Watershed Model for Estimating Daily Flow Using Limited Flow Measurements < sup > 1 < /sup > . Journal of the American Water Resources Association, 2009, 45, 475-484.	1.0	15
533	Effect of the Spatial Variability of Land Use, Soil Type, and Precipitation on Streamflows in Small Watersheds ¹ . Journal of the American Water Resources Association, 2009, 45, 673-686.	1.0	24
534	Field Evaluation of DRAINMOD 5.1 Under a Cold Climate: Simulation of Daily Midspan Water Table Depths and Drain Outflows ¹ . Journal of the American Water Resources Association, 2009, 45, 779-792.	1.0	19
535	GISâ€Based Spatial Precipitation Estimation: A Comparison of Geostatistical Approaches ⟨sup⟩1 ⟨/sup⟩. Journal of the American Water Resources Association, 2009, 45, 894-906.	1.0	87
536	Development of a SWAT Patch for Better Estimation of Sediment Yield in Steep Sloping Watersheds ¹ . Journal of the American Water Resources Association, 2009, 45, 963-972.	1.0	19
537	The Watershed Deposition Tool: A Tool for Incorporating Atmospheric Deposition in Waterâ€Quality Analyses ¹ . Journal of the American Water Resources Association, 2009, 45, 973-985.	1.0	25
538	Impact of Watershed Subdivision and Soil Data Resolution on SWAT Model Calibration and Parameter Uncertainty ¹ . Journal of the American Water Resources Association, 2009, 45, 1179-1196.	1.0	76
539	Modeling the Spatially Varying Water Balance Processes in a Semiarid Mountainous Watershed of Idaho ¹ . Journal of the American Water Resources Association, 2009, 45, 1390-1408.	1.0	29
540	Modeling the effects of riparian buffer zone and contour strips on stream water quality. Ecological Engineering, 2009, 35, 1167-1177.	1.6	89
541	Estimation of stream channel geometry in Idaho using GIS-derived watershed characteristics. Environmental Modelling and Software, 2009, 24, 444-448.	1.9	35
542	Source specific fecal bacteria modeling using soil and water assessment tool model. Bioresource Technology, 2009, 100, 953-963.	4.8	78
543	Evaluating cell-based components of DANSAT for predicting surface and subsurface transport of pesticides. Biosystems Engineering, 2009, 102, 473-485.	1.9	8
544	Dynamic agricultural non-point source assessment tool (DANSAT): Model development. Biosystems Engineering, 2009, 102, 486-499.	1.9	9
545	Dynamic agricultural non-point source assessment tool (DANSAT): Model application. Biosystems Engineering, 2009, 102, 500-515.	1.9	11
546	Assessing the impact of land use change on hydrology by ensemble modelling (LUCHEM) IV: Model sensitivity to data aggregation and spatial (re-)distribution. Advances in Water Resources, 2009, 32, 171-192.	1.7	49
547	Assessing the impact of land use change on hydrology by ensemble modelling (LUCHEM) II: Ensemble combinations and predictions. Advances in Water Resources, 2009, 32, 147-158.	1.7	128

#	Article	IF	CITATIONS
549	Estimation of critical nutrient amounts based on input–output analysis in an agriculture watershed of eastern China. Agriculture, Ecosystems and Environment, 2009, 134, 159-167.	2.5	36
550	Application of SWAT for sediment yield estimation in a mountainous agricultural basin. , 2009, , .		1
551	Hydrological Modeling and Evaluation of Rainwater Harvesting Facilities: Case Study on Several Rainwater Harvesting Facilities in Korea. Journal of Hydrologic Engineering - ASCE, 2009, 14, 545-561.	0.8	57
552	Estimating the impacts of land-cover change on runoff using the soil and water assessment tool (SWAT): case study of Nzoia catchment, Kenya / Estimation des impacts du changement d'occupation du sol sur l'©coulement l'aide de SWAT: ©tude du cas du bassin de Nzoia, Kenya. Hydrological Sciences lournal. 2009. 54. 899-908.	1.2	101
553	Soil erosion prediction in the Grande River Basin, Brazil using distributed modeling. Catena, 2009, 79, 49-59.	2.2	223
554	A temporarily changing Holocene sediment budget for a loess-covered catchment (central Belgium). Geomorphology, 2009, 108, 24-34.	1.1	63
555	Using a simple model as a tool to parameterise the SWAT model of the Xiangxi river in China. Quaternary International, 2009, 208, 116-120.	0.7	28
556	Simulation on stream flow and nutrient loadings in Gucheng Lake, Low Yangtze River Basin, based on SWAT model. Quaternary International, 2009, 208, 109-115.	0.7	31
557	Towards the implementation of the European Water Framework Directive?. Land Use Policy, 2009, 26, 580-588.	2.5	149
558	Modeling watershed-scale sequestration of soil organic carbon for carbon credit programs. Applied Geography, 2009, 29, 488-500.	1.7	21
559	An approach for improving the sampling efficiency in the Bayesian calibration of computationally expensive simulation models. Water Resources Research, 2009, 45, .	1.7	15
560	Uncertainty in the estimation of potential evapotranspiration under climate change. Geophysical Research Letters, 2009, 36, .	1.5	199
561	Intuitive simulation, querying, and visualization for river basin policy and management. IBM Journal of Research and Development, 2009, 53, 7:1-7:18.	3.2	3
562	Impacts of Climate Change on Indirect Human Exposure to Pathogens and Chemicals from Agriculture. Environmental Health Perspectives, 2009, 117, 508-514.	2.8	193
563	Obtaining the parameters required to model labile phosphorus for South African soils. South African Journal of Plant and Soil, 2009, 26, 213-219.	0.4	2
564	Description of nine nutrient loss models: capabilities and suitability based on their characteristics. Journal of Environmental Monitoring, 2009, 11, 506.	2.1	59
565	Impacts of Urbanization on Surface Runoff of the Dardenne Creek Watershed, St. Charles County, Missouri. Physical Geography, 2009, 30, 556-573.	0.6	56
566	Evaluating a hierarchy of snowmelt models at a watershed in the Canadian Prairies. Journal of Geophysical Research, 2009, 114 , .	3.3	8

#	Article	IF	Citations
567	Development of a multiobjective optimization tool for the selection and placement of best management practices for nonpoint source pollution control. Water Resources Research, 2009, 45, .	1.7	154
568	Assessing the impact of climate change on water resources in Iran. Water Resources Research, 2009, 45, .	1.7	433
569	Combining the Soil and Water Assessment Tool (SWAT) and MODIS imagery to estimate monthly flows in a data-scarce Chilean Andean basin. Hydrological Sciences Journal, 2009, 54, 1053-1067.	1.2	39
570	Conjunctive Use of a Hydrological Model and a Multicriteria Decision Support System for a Case Study on the Caia Catchment, Portugal. Journal of Hydrologic Engineering - ASCE, 2009, 14, 141-152.	0.8	14
571	Water budget model for a remnant northern Everglades wetland. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 100-105.	0.7	10
572	Modeling and evaluation of compliance to water quality regulations in bathing areas on the Daoulas catchment and estuary (France). Water Science and Technology, 2010, 61, 2521-2530.	1.2	7
573	Spatial analysis of vegetal cover and sediment yield in TapacurÃ; river catchment based on remote sensing and GIS. Annals of Warsaw University of Life Sciences, Land Reclamation, 2010, 42, 5-16.	0.2	5
574	Evaluation and verification of the WetSpa model based on selected rural catchments in Poland. Journal of Water and Land Development, 2010, 14, 115-133.	0.9	7
575	Climate change impact on nutrient loss in regions with pronounced winter seasons. Journal of Water and Climate Change, 2010, 1, 181-192.	1.2	2
576	Syst $ ilde{A}$ "me Hydrologique Europe $ ilde{A}$ ©n (SHE): review and perspectives after 30 years development in distributed physically-based hydrological modelling. Hydrology Research, 2010, 41, 355-377.	1.1	93
577	Comparative evaluation of runoff and water quality using HSPF and SWMM. Water Science and Technology, 2010, 62, 1401-1409.	1.2	33
578	Hydrological Impacts of Climate Change on the Ebro River Basin. Handbook of Environmental Chemistry, 2010, , 47-75.	0.2	2
579	VIHMAâ€"A tool for allocation of measures to control erosion and nutrient loading from Finnish agricultural catchments. Agriculture, Ecosystems and Environment, 2010, 138, 306-317.	2.5	42
580	Application of SWAT model to investigate nitrate leaching in Hamadan–Bahar Watershed, Iran. Agriculture, Ecosystems and Environment, 2010, 139, 675-688.	2.5	117
581	How Can We Make Progress with Decision Support Systems in Landscape and River Basin Management? Lessons Learned from a Comparative Analysis of Four Different Decision Support Systems. Environmental Management, 2010, 46, 834-849.	1.2	82
582	Evaluating Conservation Program Success with Landsat and SWAT. Environmental Management, 2010, 45, 1164-1174.	1.2	9
583	Simulated wetland conservation-restoration effects on water quantity and quality at watershed scale. Journal of Environmental Management, 2010, 91, 1511-1525.	3.8	58
584	Impacts of climate change on groundwater in Australia: a sensitivity analysis of recharge. Hydrogeology Journal, 2010, 18, 1625-1638.	0.9	98

#	Article	IF	CITATIONS
585	A refined hydro-environmental watershed model with field-plot-scale resolution. Paddy and Water Environment, 2010, 8, 175-187.	1.0	4
586	The spatial and temporal correlation analysis between MODIS NDVI and SWAT predicted soil moisture during forest NDVI increasing and decreasing periods. KSCE Journal of Civil Engineering, 2010, 14, 931-939.	0.9	11
587	Environmental impacts of the Yangtze Three Gorges project: An overview of the Chinese-German research cooperation. Journal of Earth Science (Wuhan, China), 2010, 21, 817-823.	1.1	20
588	Assessing and regulating the impacts of climate change on water resources in the Heihe watershed on the Loess Plateau of China. Science China Earth Sciences, 2010, 53, 710-720.	2.3	27
589	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
590	Dualistic water cycle pattern and its evolution in Haihe River basin. Science Bulletin, 2010, 55, 1688-1697.	1.7	30
591	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
592	Analysis of catchment evapotranspiration at different scales using bottom-up and top-down approaches. Frontiers of Architecture and Civil Engineering in China, 2010, 4, 65-77.	0.4	5
593	Impact of Water Projects on River Flow Regimes and Water Quality in Huai River Basin. Water Resources Management, 2010, 24, 889-908.	1.9	147
594	A Review of Modelling Tools for Implementation of the EU Water Framework Directive in Handling Diffuse Water Pollution. Water Resources Management, 2010, 24, 1819-1843.	1.9	7 3
595	Simulation of Agricultural Management Alternatives for Watershed Protection. Water Resources Management, 2010, 24, 3115-3144.	1.9	124
596	Selecting Model Parameter Sets from a Trade-off Surface Generated from the Non-Dominated Sorting Genetic Algorithm-II. Water Resources Management, 2010, 24, 4469-4489.	1.9	48
597	Development and Integration of Sub-hourly Rainfall–Runoff Modeling Capability Within a Watershed Model. Water Resources Management, 2010, 24, 4505-4527.	1.9	125
598	An Impact Assessment Method of Dam/Sluice on Instream Ecosystem and its Application to the Bengbu Sluice of China. Water Resources Management, 2010, 24, 4551-4565.	1.9	15
599	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
600	How Do River Nitrate Concentrations Respond to Changes in Land-use? A Modelling Case Study of Headwaters in the River Derwent Catchment, North Yorkshire, UK. Environmental Modeling and Assessment, 2010, 15, 93-109.	1.2	10
601	Application of the DNDC model to the Rodale Institute Farming Systems Trial: challenges for the validation of drainage and nitrate leaching in agroecosystem models. Nutrient Cycling in Agroecosystems, 2010, 87, 483-494.	1.1	25
602	Mapping land cover change of the Luvuvhu catchment, South Africa for environmental modelling. Geo Journal, 2010, 75, 163-173.	1.7	13

#	Article	IF	CITATIONS
603	Evaluation of non-point source pollution reduction by applying Best Management Practices using a SWAT model and QuickBird high resolution satellite imagery. Journal of Environmental Sciences, 2010, 22, 826-833.	3.2	76
604	Flow pathways in the Slapton Wood catchment using temperature as a tracer. Journal of Hydrology, 2010, 383, 269-279.	2.3	17
605	Analysis of parameter uncertainty in semi-distributed hydrological models using bootstrap method: A case study of SWAT model applied to Yingluoxia watershed in northwest China. Journal of Hydrology, 2010, 385, 76-83.	2.3	126
606	A non-linear runoff generation model in small Alpine catchments. Journal of Hydrology, 2010, 385, 300-312.	2.3	32
607	Regional scale modeling of hillslope sediment delivery: A case study in the Barasona Reservoir watershed (Spain) using WATEM/SEDEM. Journal of Hydrology, 2010, 391, 109-123.	2.3	86
608	Predicting river water quality across North West England using catchment characteristics. Journal of Hydrology, 2010, 395, 153-162.	2.3	41
609	Soil erosion dynamics response to landscape pattern. Science of the Total Environment, 2010, 408, 1358-1366.	3.9	124
610	Which offers more scope to suppress river phytoplankton blooms: Reducing nutrient pollution or riparian shading?. Science of the Total Environment, 2010, 408, 5065-5077.	3.9	56
611	Comparative study of two models to simulate diffuse nitrogen and phosphorus pollution in a medium-sized watershed, southeast China. Estuarine, Coastal and Shelf Science, 2010, 86, 387-394.	0.9	41
612	Sensitivity of agricultural runoff loads to rising levels of CO2 and climate change in the San Joaquin Valley watershed of California. Environmental Pollution, 2010, 158, 223-234.	3.7	77
613	Development and test of a crop growth model for application within a Global Change decision support system. Ecological Modelling, 2010, 221, 314-329.	1.2	60
614	Development of new R, C and SDR modules for the SATEEC GIS system. Computers and Geosciences, 2010, 36, 726-734.	2.0	24
615	SCALES: a largeâ€scale assessment model of soil erosion hazard in Basseâ€Normandie (northernâ€western) Tj ET	ГQ <u>q</u> Q 0 0 г	gBT/Overlocl
616	On the use of multiâ€algorithm, genetically adaptive multiâ€objective method for multiâ€site calibration of the SWAT model. Hydrological Processes, 2010, 24, 955-969.	1.1	106
617	SWATâ€simulated hydrological impact of landâ€use change in the Zanjanrood basin, Northwest Iran. Hydrological Processes, 2010, 24, 892-903.	1.1	186
618	Comparison of spectral and time domain calibration methods for precipitationâ€discharge processes. Hydrological Processes, 2010, 24, 1048-1062.	1.1	12
619	Sensitivity and identifiability of stream flow generation parameters of the SWAT model. Hydrological Processes, 2010, 24, 1133-1148.	1.1	215
620	Estimating the impact of rural land management changes on catchment runoff generation in England and Wales. Hydrological Processes, 2010, 24, 1357-1368.	1.1	24

#	Article	IF	CITATIONS
621	Sensitivity of streamflow from a Himalayan catchment to plausible changes in land cover and climate. Hydrological Processes, 2010, 24, 1379-1390.	1.1	30
622	Incorporating landscape depressions and tile drainages of a northern German lowland catchment into a semiâ€distributed model. Hydrological Processes, 2010, 24, 1472-1486.	1.1	71
623	Modelling the hydrologic effects of dynamic landâ€use change using a distributed hydrologic model and a spatial landâ€use allocation model. Hydrological Processes, 2010, 24, 2538-2554.	1.1	67
624	Assessing sensitivity of hydrologic responses to climate change from forested watershed in Mississippi. Hydrological Processes, 2010, 24, 3785-3797.	1.1	46
625	Hydrological response of a Brazilian semiâ€arid catchment to different land use and climate change scenarios: a modelling study. Hydrological Processes, 2010, 24, 2705-2723.	1.1	76
626	Model AVSWAT apropos of simulating non-point source pollution in Taihu lake basin. Journal of Hazardous Materials, 2010, 174, 824-830.	6.5	42
627	Hydrological cycle simulation of an irrigation district based on a SWAT model. Mathematical and Computer Modelling, 2010, 51, 1312-1318.	2.0	37
628	GIS-based spatial precipitation estimation using next generation radar and raingauge data. Environmental Modelling and Software, 2010, 25, 1781-1788.	1.9	34
629	Analysis of the soil and water assessment tool (SWAT) to model Cryptosporidium in surface water sources. Biosystems Engineering, 2010, 106, 303-314.	1.9	18
630	Simulation of land use–soil interactive effects on water and sediment yields at watershed scale. Ecological Engineering, 2010, 36, 328-344.	1.6	34
631	A quantitative phosphorus loss assessment tool for agricultural fields. Environmental Modelling and Software, 2010, 25, 1121-1129.	1.9	51
632	Modelling of hydrologic processes and potential response to climate change through the use of a multisite SWAT. Water and Environment Journal, 2010, 24, 21-31.	1.0	18
633	Nonpointâ€Source Pollution Reduction for an Iowa Watershed: An Application of Evolutionary Algorithms. Canadian Journal of Agricultural Economics, 2010, 58, 411-431.	1.2	23
634	Modeling of Sediment Yield From Anjeniâ€Gauged Watershed, Ethiopia Using SWAT Model ¹ . Journal of the American Water Resources Association, 2010, 46, 514-526.	1.0	112
635	Global spatial optimization with hydrological systems simulation: application to land-use allocation and peak runoff minimization. Hydrology and Earth System Sciences, 2010, 14, 325-338.	1.9	14
636	Use of a watershed model in the development of a River Basin Management Plan in a catchment with limited data. , 2010 , , .		0
637	Assessing the Impacts of Climate Change on Best Management Practices (BMPs) Implementation Strategies. , 2010, , .		0
638	Development and Application of a Modified NTT Tool for Water Quality Trading. , 2010, , .		1

#	Article	IF	CITATIONS
639	Refinement, Validation and Implementation of SWAT Model Central Texas TMDL., 2010, , .		0
640	DEM Resolution Effects on Hillslope Length and Steepness Estimates for Erosion Modeling. , 2010, , .		0
641	Rainfall Sequence Effects on Phosphorus Loss in Surface Runoff from Pastures that Received Poultry Litter Application. Transactions of the ASABE, 2010, 53, 1147-1158.	1.1	1
642	Comparison of Subsurface and Surface Runoff Phosphorus Transport Capacities in Alluvial Floodplains., 2010,,.		0
643	Effective Soil Properties of Heterogeneous Areas For Modeling Infiltration and Redistribution. Soil Science Society of America Journal, 2010, 74, 1469-1482.	1.2	34
644	Impact of Arable Land to Grassland Conversion on the Vegetation-period Water Balance of a Small Agricultural Catchment (NÄ $ m$ Äick $ A^{1/2} $ Stream). Soil and Water Research, 2010, 5, 128-138.	0.7	3
645	Regionalization of SWAT Model Parameters for Use in Ungauged Watersheds. Water (Switzerland), 2010, 2, 849-871.	1.2	79
646	Sources of uncertainty in climate change impacts on river discharge and groundwater in a headwater catchment of the Upper Nile Basin, Uganda. Hydrology and Earth System Sciences, 2010, 14, 1297-1308.	1.9	90
647	Modelling water-harvesting systems in a semi arid catchment (Merguellil-Tunisia). , 2010, , .		1
648	Modeling Rappahannock River Basin Using SWAT - Pilot for Chesapeake Bay Watershed. Applied Engineering in Agriculture, 2010, 26, 795-805.	0.3	25
649	Assessment of Different Representations of Spatial Variability on SWAT Model Performance. Transactions of the ASABE, 2010, 53, 1433-1443.	1.1	136
650	Soil and Water Assessment Tool (SWAT) Model: Current Developments and Applications. Transactions of the ASABE, 2010, 53, 1423-1431.	1.1	336
651	Differentiating Impacts of Land Use Changes from Pasture Management in a CEAP Watershed Using the SWAT Model. Transactions of the ASABE, 2010, 53, 1569-1584.	1.1	54
652	Calibração de modelo para a simulação de vazão e de fósforo total nas sub-bacias dos Rios Conrado e Pinheiro - Pato Branco (PR). Revista Brasileira De Ciencia Do Solo, 2010, 34, 253-261.	0.5	23
653	Ensemble modelling of nitrogen fluxes: data fusion for a Swedish meso-scale catchment. Hydrology and Earth System Sciences, 2010, 14, 2383-2397.	1.9	26
654	Case Studies of Canadian Environmental Decision Support Systems., 0,,.		2
655	Impacts of climate change on indirect human exposure to pathogens and chemicals from agriculture. Ciencia E Saude Coletiva, 2010, 15, 743-756.	0.1	3
656	Modifying Goodness-of-Fit Indicators to Incorporate Both Measurement and Model Uncertainty in Model Calibration and Validation. Transactions of the ASABE, 2010, 53, 55-63.	1.1	87

#	ARTICLE	IF	Citations
657	Generalized regression analyses and spatial predictions of river fauna. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2010, 30, 1634-1638.	0.1	0
658	Modelling the hydrologic response of a mesoscale Andean watershed to changes in land use patterns for environmental planning. Hydrology and Earth System Sciences, 2010, 14, 1963-1977.	1.9	40
659	Incorporating Affects of Raised Roads into Hydrology Model to Improve Simulation of Low-Relief Watershed. , 2010, , .		0
660	Targeting BMP Placement using SWAT Sediment Yield Estimates for Field-Scale BMPs. , 2010, , .		0
661	Modeling Cover Crop Effectiveness on Maryland's Eastern Shore. , 2010, , .		0
662	A multi basin SWAT model analysis of runoff and sedimentation in the Blue Nile, Ethiopia. Hydrology and Earth System Sciences, 2010, 14, 1827-1841.	1.9	164
663	Modeling of Phosphorus Loads in Sugarcane in a Lowâ€Relief Landscape Using Ontologyâ€based Simulation. Journal of Environmental Quality, 2010, 39, 1751-1761.	1.0	3
664	Assessment of Total Maximum Daily Load Implementation Strategies for Nitrate Impairment of the Raccoon River, Iowa. Journal of Environmental Quality, 2010, 39, 1317-1327.	1.0	69
665	Evaluating Today's Landscape Multifunctionality and Providing an Alternative Future: A Normative Scenario Approach. Ecology and Society, 2010, 15, .	1.0	27
666	Topographic effects on solar radiation distribution in mountainous watersheds and their influence on reference evapotranspiration estimates at watershed scale. Hydrology and Earth System Sciences, 2010, 14, 2479-2494.	1.9	102
667	Temperature Coefficient for Modeling Denitrification in Surface Water Sediments Using the Mass Transfer Coefficient. Transactions of the ASABE, 2010, 53, 465-474.	1.1	3
668	Identifying Priority subwatersheds using distributed modeling approach. , 2010, , .		1
669	Nutrient Loading Assessment and Associated Uncertainty in a Subtropical Reservoir Watershed., 2010,		1
670	Neural networks modelling of nitrogen export: model development and application to unmonitored boreal forest watersheds. Environmental Technology (United Kingdom), 2010, 31, 495-510.	1.2	6
671	Notice of Retraction: Hydrologic impact of climate change on the Mississippi River. , 2010, , .		0
672	Development of Soil and Water Assessment Tool Model on Human Water Use and Application in the Area of High Human Activities, Tianjin, China. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 23-30.	0.6	10
673	Targeting land-use change for nitrate-nitrogen load reductions in an agricultural watershed. Journal of Soils and Water Conservation, 2010, 65, 342-352.	0.8	70
674	Impact of crop rotations on optimal selection of conservation practices for water quality protection. Journal of Soils and Water Conservation, 2010, 65, 369-380.	0.8	16

#	Article	IF	CITATIONS
675	Effectiveness of best management practices in improving water quality in a pasture-dominated watershed. Journal of Soils and Water Conservation, 2010, 65, 424-437.	0.8	121
676	Measuring conservation program best management practice implementation and maintenance at the watershed scale. Journal of Soils and Water Conservation, 2010, 65, 413-423.	0.8	44
677	Does soil data resolution matter? State Soil Geographic database versus Soil Survey Geographic database in rainfall-runoff modeling across Wisconsin. Journal of Soils and Water Conservation, 2010, 65, 190-199.	0.8	24
678	Case Study of Distributed Hydrologic Model for Soil and Nutrient Loss Estimation in Small Watershed. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2010, 14, 70-75.	0.4	2
679	Estimation of design discharge for an ungauged overflow-receiving watershed using one-dimensional hydrodynamic model. International Journal of River Basin Management, 2010, 8, 79-92.	1.5	6
680	Effects of the resolution of soil dataset and precipitation dataset on SWAT2005 streamflow calibration parameters and simulation accuracy. Journal of Soils and Water Conservation, 2010, 65, 63-78.	0.8	43
681	Simulating Pesticide Transport from a Sloped Tropical Soil to an Adjacent Stream. Journal of Environmental Quality, 2010, 39, 353-364.	1.0	8
682	The impact of climate change on aquatic risk from agricultural pesticides in the US. International Journal of Environmental Studies, 2010, 67, 677-704.	0.7	9
683	Water Resource Protection by Riparian Buffer Zones. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
684	Analysis of Critical Source Areas about Multi-source Nutrient Loadings Based on SWAT Model in Jiyun River Basin. HKIE Transactions, 2010, 17, 14-19.	1.9	1
685	Hydrological response and examination of the water resources in an experimental watershed in Greece. Water International, 2010, 35, 324-335.	0.4	3
686	Geospatial-based automated watershed modeling in Garhwal Himalaya. Journal of Hydroinformatics, 2010, 12, 502-520.	1.1	9
687	On-line measurements provide more accurate estimates of nutrient loading: a case of the Yläeenjoki river basin, southwest Finland. Water Science and Technology, 2010, 62, 115-122.	1.2	17
688	Towards a hydroinformatics framework to aid decision-making for catchment management. Journal of Hydroinformatics, 2010, 12, 119-139.	1.1	16
689	Assimilating Remotely Sensed Surface Soil Moisture into SWAT Using Ensemble Kalman Filter., 2010,,.		0
690	Effect of Watershed Subdivision on SWAT Modeling with Consideration of Parameter Uncertainty. Journal of Hydrologic Engineering - ASCE, 2010, 15, 1070-1074.	0.8	31
691	Watershed-Scale Impacts of Nitrogen from On-Site Wastewater Systems: Parameter Sensitivity and Model Calibration. Journal of Environmental Engineering, ASCE, 2010, 136, 926-938.	0.7	12
692	An algorithm for estimating downward shortwave radiation from GMS 5 visible imagery and its evaluation over China. Journal of Geophysical Research, 2010, 115, .	3.3	48

#	Article	IF	CITATIONS
693	Parsimonious modeling of hydrologic responses in engineered watersheds: Structural heterogeneity versus functional homogeneity. Water Resources Research, 2010, 46, .	1.7	56
694	Development of a coupled soil erosion and largeâ€scale hydrology modeling system. Water Resources Research, 2010, 46, .	1.7	8
695	A stochastic jump diffusion particleâ€tracking model (SJDâ€PTM) for sediment transport in open channel flows. Water Resources Research, 2010, 46, .	1.7	19
696	Biofuels and water quality: challenges and opportunities for simulation modeling. Biofuels, 2010, 1, 463-477.	1.4	23
697	Application of SWAT in Non-Point Source Pollution of Upper Xiliaohe Basin, China. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
698	Coupling urban expansion models and hydrological models: How important are spatial patterns?. Land Use Policy, 2010, 27, 965-975.	2.5	52
699	Application of catchment scale sediment delivery model INCA-Sed to four small study catchments in Finland. Catena, 2010, 83, 64-75.	2.2	15
700	Modelling point and diffuse source pollution of nitrate in a rural lowland catchment using the SWAT model. Agricultural Water Management, 2010, 97, 317-325.	2.4	118
701	Comparative evaluation of phosphorus losses from subsurface and naturally drained agricultural fields in the Pike River watershed of Quebec, Canada. Agricultural Water Management, 2010, 97, 596-604.	2.4	73
702	Assessing grain crop water productivity of China using a hydro-model-coupled-statistics approach. Agricultural Water Management, 2010, 97, 1077-1092.	2.4	26
703	Assessing grain crop water productivity of China using a hydro-model-coupled-statistics approach. Part II: Application in breadbasket basins of China. Agricultural Water Management, 2010, 97, 1259-1268.	2.4	24
704	Modeling wheat yield and crop water productivity in Iran: Implications of agricultural water management for wheat production. Agricultural Water Management, 2010, 97, 1861-1875.	2.4	86
705	Development of DRAIN–WARMF model to simulate flow and nitrogen transport in a tile-drained agricultural watershed in Eastern Canada. Agricultural Water Management, 2010, 98, 55-68.	2.4	13
706	Groundwater impacts due to conservation reserve program in Texas County, Oklahoma. Applied Geography, 2010, 30, 317-328.	1.7	15
707	Simulation of erosion-deposition processes at basin scale by a physically-based mathematical model. International Journal of Sediment Research, 2010, 25, 91-109.	1.8	11
708	Framework for satellite rainfall product evaluation. Geophysical Monograph Series, 2010, , 265-275.	0.1	10
709	Optimization of Watershed Control Strategies for Reservoir Eutrophication Management. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 847-861.	0.6	26
710	Coping with Rainfall Variability: Dry Spell Mitigation and Implication on Landscape Water Balances in Small-scale Farming Systems in Semi-arid Niger. International Journal of Water Resources Development, 2010, 26, 543-559.	1.2	8

#	Article	IF	CITATIONS
711	Quantifying the magnitude of the impact of climate change and human activity on runoff decline in Mian River Basin, China. Water Science and Technology, 2010, 62, 783-791.	1.2	44
712	Modeling Regional Variation in Riverine Fish Biodiversity in the Arkansas–White–Red River Basin. Transactions of the American Fisheries Society, 2011, 140, 1227-1239.	0.6	5
713	Research articles published in water resources journals: A bibliometric analysis. Desalination and Water Treatment, 2011, 28, 353-365.	1.0	74
714	Two-Way Calibration-Validation of SWAT Model for a Small Prairie Watershed with Short Observed Record. Canadian Water Resources Journal, 2011, 36, 247-270.	0.5	16
715	Simulation of non-point source COD pollution load by BP neural network. , 2011, , .		0
716	Decentralized and partially decentralized reinforcement learning for designing a distributed wetland system in watersheds., 2011,,.		4
717	Modeling nitrogen loadings from agricultural soils in southwest China with modified DNDC. Journal of Geophysical Research, 2011, 116, .	3.3	46
718	Impact of climate change on the hydroclimatology of Lake Tana Basin, Ethiopia. Water Resources Research, 2011, 47, .	1.7	192
719	Response functions for inâ€stream solute transport in river networks. Water Resources Research, 2011, 47, .	1.7	21
720	Climate change impact on meteorological, agricultural, and hydrological drought in central Illinois. Water Resources Research, 2011, 47, .	1.7	150
721	Probabilistic multi-model ensemble predictions of nitrogen concentrations in river systems. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	6
722	Assessment of satellite rainfall products for streamflow simulation in medium watersheds of the Ethiopian highlands. Hydrology and Earth System Sciences, 2011, 15, 1147-1155.	1.9	121
723	Sediment management modelling in the Blue Nile Basin using SWAT model. Hydrology and Earth System Sciences, 2011, 15, 807-818.	1.9	308
724	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
725	The Risk Analysis of Long Term Impact to Reservoir under Extreme Hydrologic Eventsâ€"Shihmen Reservoir, a Case Study. , 2011, , .		4
726	Hydro-Meteorology and Water Budget of the Mara River Basin Under Land Use Change Scenarios. , 2011, , 39-68.		30
727	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
728	Spatiotemporal Variation of Chlorophyll a and its Relationship with other Water Quality Factors in the Tai Lake. Advanced Materials Research, 2011, 183-185, 783-789.	0.3	0

#	Article	IF	CITATIONS
729	Hydrologic Modeling of the Bouregreg Watershed (Morocco) Using GIS and SWAT Model. Journal of Geographic Information System, 2011, 03, 279-289.	0.3	41
730	Multi-period calibration of a semi-distributed hydrological model based on hydroclimatic clustering. Advances in Water Resources, 2011, 34, 1292-1303.	1.7	48
731	Development and application of a nitrogen simulation model in a data scarce catchment in South China. Agricultural Water Management, 2011, 98, 619-631.	2.4	28
732	Potential impacts of water harvesting and ecological sanitation on crop yield, evaporation and river flow regimes in the Thukela River basin, South Africa. Agricultural Water Management, 2011, 98, 1113-1124.	2.4	33
733	Impact of upstream changes in rain-fed agriculture on downstream flow in a semi-arid basin. Agricultural Water Management, 2011, 100, 36-45.	2.4	23
734	Seasonal and land use impacts on the nitrate budget and export of a mesoscale catchment in Southern Portugal. Agricultural Water Management, 2011, 102, 54-65.	2.4	34
735	Impacts of conservation buffers and grasslands on total phosphorus loads using hydrological modeling and remote sensing techniques. Catena, 2011, 86, 121-129.	2.2	4
736	Performance of a distributed semi-conceptual hydrological model under tropical watershed conditions. Catena, 2011, 86, 160-171.	2.2	43
737	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
738	A Real-Time Gridded Crop Model for Assessing Spatial Drought Stress on Crops in the Southeastern United States. Journal of Applied Meteorology and Climatology, 2011, 50, 1459-1475.	0.6	17
739	Performance of WASMOD and SWAT on hydrological simulation in Yingluoxia watershed in northwest of China. Hydrological Processes, 2011, 25, 2001-2008.	1.1	31
740	Observation of Hydrological Processes Using Remote Sensing. , 2011, , 351-399.		9
741	SWAT-Based Streamflow and Embayment Modeling of Karst-Affected Chapel Branch Watershed, South Carolina. Transactions of the ASABE, 2011, 54, 1311-1323.	1.1	23
742	Shallow Water Table Depth Algorithm in SWAT: Recent Developments. Transactions of the ASABE, 2011, 54, 1705-1711.	1.1	14
743	Nitrogen flows from European regional watersheds to coastal marine waters. , 0, , 271-297.		54
744	Application of Soil and Water Assessment Tools Model for Runoff Estimation. American Journal of Applied Sciences, 2011, 8, 486-494.	0.1	12
745	Integrating APEX Output for Cultivated Cropland with SWAT Simulation for Regional Modeling. Transactions of the ASABE, 2011, 54, 1281-1298.	1.1	46
746	Applicability of the swat model for hydrologic simulation in Paraopeba River basin, MG. Cerne, 2011, 17, 481-488.	0.9	21

#	Article	IF	CITATIONS
747	Evaluating Hydrologic Response of an Agricultural Watershed for Watershed Analysis. Water (Switzerland), 2011, 3, 604-617.	1.2	41
748	Seasonal and Annual Impacts of Climate Change on Watershed Response Using an Ensemble of Global Climate Models. Transactions of the ASABE, 2011, 54, 2209-2218.	1.1	17
749	A Hydro-environmental Model Considering Nitrogen Dynamics in Surface Zone for Analysis of Groundwater Nitrate-nitrogen Contamination. Journal of Rainwater Catchment Systems, 2011, 16, 13-24.	0.2	0
750	Determining Nutrient and Sediment Critical Source Areas with SWAT: Effect of Lumped Calibration. Transactions of the ASABE, 2011, 55, 137-147.	1.1	63
751	Leaf Area Index (LAI) of Loblolly Pine and Emergent Vegetation Following a Harvest. Transactions of the ASABE, 2011, 54, 2057-2066.	1.1	12
752	A comparative analysis of projected impacts of climate change on river runoff from global and catchment-scale hydrological models. Hydrology and Earth System Sciences, 2011, 15, 279-294.	1.9	217
753	Uncertainty in climate change impacts on basin-scale freshwater resources – preface to the special issue: the QUEST-GSI methodology and synthesis of results. Hydrology and Earth System Sciences, 2011, 15, 1035-1046.	1.9	77
7 54	Hydrologic Response Unit Routing in SWAT to Simulate Effects of Vegetated Filter Strip for South-Korean Conditions Based on VFSMOD. Water (Switzerland), 2011, 3, 819-842.	1.2	12
755	Land use and climate change impacts on the hydrology of the upper Mara River Basin, Kenya: results of a modeling study to support better resource management. Hydrology and Earth System Sciences, 2011, 15, 2245-2258.	1.9	359
756	Changes in land cover, rainfall and stream flow in Upper Gilgel Abbay catchment, Blue Nile basin – Ethiopia. Hydrology and Earth System Sciences, 2011, 15, 1979-1989.	1.9	149
757	Effects of the "Conversion of Cropland to Forest and Grassland Program―on the Water Budget of the Jinghe River Catchment in China. Journal of Environmental Quality, 2011, 40, 1745-1755.	1.0	47
758	Modeling nitrogen loading in a small watershed in southwest China using a DNDC model with hydrological enhancements. Biogeosciences, 2011, 8, 2999-3009.	1.3	40
759	Advances in Forest Hydrology: Challenges and Opportunities. Transactions of the ASABE, 2011, 54, 2049-2056.	1.1	11
760	Impacts of Land Cover Changes on Hydrologic Responses: A Case Study of Chi River Basin, Thailand. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_31-I_36.	0.0	13
761	Use of SAR data for hydro-morphological characterization in sub-Saharan Africa: a case study. , 2011, , .		0
762	Modeling Sediment and Nitrogen Export from a Rural Watershed in Eastern Canada Using the Soil and Water Assessment Tool. Journal of Environmental Quality, 2011, 40, 1182-1194.	1.0	61
763	Combining satellite radar altimetry, SAR surface soil moisture and GRACE total storage changes for hydrological model calibration in a large poorly gauged catchment. Hydrology and Earth System Sciences, 2011, 15, 1729-1743.	1.9	94
764	CALIBRATION AND UNCERTAINTY ANALYSIS OF SWAT MODEL IN A JAPANESE RIVER CATCHMENT. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_61-I_66.	0.0	8

#	Article	IF	Citations
765	Sediment Measurement and Transport Modeling: Impact of Riparian and Filter Strip Buffers. Journal of Environmental Quality, 2011, 40, 807-814.	1.0	43
766	Quantifying the hydrological responses to climate change in an intact forested small watershed in <scp>S</scp> outhern <scp>C</scp> hina. Global Change Biology, 2011, 17, 3736-3746.	4.2	202
767	Simulated Impacts of Three Decadal Climate Variability Phenomena on Water Yields in the Missouri River Basin1. Journal of the American Water Resources Association, 2011, 47, 126-135.	1.0	27
768	Assessing the Impact of Areal Precipitation Input on Streamflow Simulations Using the SWAT Model1. Journal of the American Water Resources Association, 2011, 47, 179-195.	1.0	100
769	A Regional Modeling Framework of Phosphorus Sources and Transport in Streams of the Southeastern United States1. Journal of the American Water Resources Association, 2011, 47, 991-1010.	1.0	48
770	Modeling of Escherichia coli Fluxes on a Catchment and the Impact on Coastal Water and Shellfish Quality1. Journal of the American Water Resources Association, 2011, 47, 350-366.	1.0	46
771	Importance of Crop Yield in Calibrating Watershed Water Quality Simulation Tools1. Journal of the American Water Resources Association, 2011, 47, 1285-1297.	1.0	65
772	Reducing surface water pollution through the assessment of the cost-effectiveness of BMPs at different spatial scales. Journal of Environmental Management, 2011, 92, 2823-2835.	3.8	84
773	A comparison of tools for modeling freshwater ecosystem services. Journal of Environmental Management, 2011, 92, 2403-2409.	3.8	279
774	Occurrence of metolachlor and trifluralin losses in the Save river agricultural catchment during floods. Journal of Hazardous Materials, 2011, 196, 210-219.	6.5	61
775	Uncertainty assessment of climate change impacts on the hydrology of small prairie wetlands. Journal of Hydrology, 2011, 396, 94-103.	2.3	85
776	Combined 3D hydrodynamic and watershed modelling of Lake Tana, Ethiopia. Journal of Hydrology, 2011, 398, 44-64.	2.3	53
777	Assessment of hydrology, sediment and particulate organic carbon yield in a large agricultural catchment using the SWAT model. Journal of Hydrology, 2011, 401, 145-153.	2.3	171
778	Modern recharge to fossil aquifers: Geochemical, geophysical, and modeling constraints. Journal of Hydrology, 2011, 403, 14-24.	2.3	66
779	Grid computing technology for hydrological applications. Journal of Hydrology, 2011, 403, 186-199.	2.3	44
780	Simulation of runoff and sediment yield from a hilly watershed in the eastern Himalaya, India using the WEPP model. Journal of Hydrology, 2011, 405, 261-276.	2.3	58
781	Understanding nitrogen transfer dynamics in a small agricultural catchment: Comparison of a distributed (TNT2) and a semi distributed (SWAT) modeling approaches. Journal of Hydrology, 2011, 406, 1-15.	2.3	80
782	Optimizing neural networks for river flow forecasting – Evolutionary Computation methods versus the Levenberg–Marquardt approach. Journal of Hydrology, 2011, 407, 12-27.	2.3	98

#	Article	IF	CITATIONS
783	Assessing impacts of Landuse and Landcover changes on hydrology for the upper San Pedro watershed. Journal of Hydrology, 2011, 407, 105-114.	2.3	238
784	Evaluation of non-point source pollution and river water quality using a multimedia two-model system. Journal of Hydrology, 2011, 409, 583-595.	2.3	90
785	Real-world hydrologic assessment of a fully-distributed hydrological model in a parallel computing environment. Journal of Hydrology, 2011, 409, 483-496.	2.3	95
786	Effects on aquatic and human health due to large scale bioenergy crop expansion. Science of the Total Environment, 2011, 409, 3215-3229.	3.9	43
787	Simulating the impacts of future land use and climate changes on surface water quality in the Des Plaines River watershed, Chicago Metropolitan Statistical Area, Illinois. Science of the Total Environment, 2011, 409, 4387-4405.	3.9	129
788	Assessment of non-point source pollution using a spatial multicriteria analysis approach. Ecological Modelling, 2011, 222, 313-321.	1.2	94
789	Integrating soil carbon cycling with that of nitrogen and phosphorus in the watershed model SWAT: Theory and model testing. Ecological Modelling, 2011, 222, 1913-1921.	1.2	44
790	SWAT parameterization for the identification of critical diffuse pollution source areas under data limitations. Ecological Modelling, 2011, 222, 3500-3512.	1.2	105
791	NitroScape: A model to integrate nitrogen transfers and transformations in rural landscapes. Environmental Pollution, 2011, 159, 3162-3170.	3.7	36
792	Impact of climate change on stream discharge and sediment yield in Northern Viet Nam. Water Resources, 2011, 38, 827-836.	0.3	45
793	Modelling uncertainty for nitrate leaching and nitrous oxide emissions based on a Swedish field experiment with organic crop rotation. Agriculture, Ecosystems and Environment, 2011, 141, 167-183.	2.5	23
794	Comparison of subsurface and surface runoff phosphorus transport rates in alluvial floodplains. Agriculture, Ecosystems and Environment, 2011, 141, 417-425.	2.5	34
795	Parameter uncertainty analysis in watershed total phosphorus modeling using the GLUE methodology. Agriculture, Ecosystems and Environment, 2011, 142, 246-255.	2.5	53
796	Water quantity and quality optimization modeling of dams operation based on SWAT in Wenyu River Catchment, China. Environmental Monitoring and Assessment, 2011, 173, 409-430.	1.3	44
797	The impact of agricultural Best Management Practices on water quality in a North German lowland catchment. Environmental Monitoring and Assessment, 2011, 183, 351-379.	1.3	136
798	Cascade Dam-Induced Hydrological Disturbance and Environmental Impact in the Upper Stream of the Yellow River. Water Resources Management, 2011, 25, 913-927.	1.9	78
799	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
800	Small Catchment Agricultural Management Using Decision Variables Defined at Catchment Scale and a Fuzzy Rule-Based System: A Mediterranean Vineyard Case Study. Water Resources Management, 2011, 25, 2649-2668.	1.9	11

#	Article	IF	CITATIONS
801	Streamflow Simulation by SWAT Using Different Precipitation Sources in Large Arid Basins with Scarce Raingauges. Water Resources Management, 2011, 25, 2669-2681.	1.9	73
802	Diffuse Surface Water Pollution: Driving Factors for Different Geoclimatic Regions. Water Resources Management, 2011, 25, 3635-3660.	1.9	47
803	Multiple segmented reaches per subwatershed modeling approach for improving HSPF-Paddy water quality simulation. Paddy and Water Environment, 2011 , 9 , $193-205$.	1.0	10
804	APEX model simulation of runoff and sediment losses for grazed pasture watersheds with agroforestry buffers. Agroforestry Systems, 2011, 83, 51-62.	0.9	26
805	Application of a Multi-Objective Optimization Method to Provide Least Cost Alternatives for NPS Pollution Control. Environmental Management, 2011, 48, 448-461.	1.2	108
806	Grid-enabled Spatial Data Infrastructure for environmental sciences: Challenges and opportunities. Future Generation Computer Systems, 2011, 27, 292-303.	4.9	35
807	Development of a large basin rainfall-runoff modeling system using the object-oriented hydrologic modeling system (OHyMoS). KSCE Journal of Civil Engineering, 2011, 15, 595-606.	0.9	4
808	Estimating non-point source pollutant loads for the large-scale basin of the Yangtze River in China. Environmental Earth Sciences, 2011, 63, 1079-1092.	1.3	71
809	Conditioning DRASTIC model to simulate nitrate pollution case study: Hamadan–Bahar plain. Environmental Earth Sciences, 2011, 63, 1155-1167.	1.3	31
810	Application of an integrative hydro-ecological model to study water resources management in the upper and middle parts of the Yellow River basin. Frontiers of Earth Science, 2011, 5, 45-55.	0.9	2
811	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
813	Modelling effects of land use/cover changes under limited data. Ecohydrology, 2011, 4, 265-276.	1.1	39
814	Evaluation of River Water Quality Simulations at a Daily Time Step – Experience with SWAT in the Axe Catchment, UK. Clean - Soil, Air, Water, 2011, 39, 43-54.	0.7	37
815	Delineation of hydrologically similar units in a watershed based on fuzzy classification of soil hydraulic properties. Hydrological Processes, 2011, 25, 64-79.	1.1	14
816	The effect of soil data resolution on hydrological processes modelling in a large humid watershed. Hydrological Processes, 2011, 25, 130-140.	1.1	27
817	Development and application of a physically based landscape water balance in the SWAT model. Hydrological Processes, 2011, 25, 915-925.	1.1	99
818	Alternative climate data sources for distributed hydrological modelling on a daily time step. Hydrological Processes, 2011, 25, 1542-1557.	1.1	19
819	A simple concept for calibrating runoff thresholds in quasiâ€distributed variable source area watershed models. Hydrological Processes, 2011, 25, 3131-3143.	1.1	22

#	Article	IF	CITATIONS
820	Simultaneous calibration of surface flow and baseflow simulations: a revisit of the SWAT model calibration framework. Hydrological Processes, 2011, 25, 2313-2320.	1.1	56
821	The impacts of climate change on local hydrology and low flow frequency in the Geum River Basin, Korea. Hydrological Processes, 2011, 25, 3437-3447.	1.1	40
822	Estimating basin scale evapotranspiration (ET) by water balance and remote sensing methods. Hydrological Processes, 2011, 25, 4037-4049.	1.1	127
823	Comparison of flood management options for the Yang River Basin, Thailand. Irrigation and Drainage, 2011, 60, 526-543.	0.8	17
824	MODELLING MULTIPLE LAND- AND WATER-USE SCENARIOS FOR THREE TYPICAL PILOT AREAS IN CRIMEA, UKRAINE. Irrigation and Drainage, 2011, 60, 11-20.	0.8	2
825	Modelling of Nutrient Emissions in River Systems – MONERIS – Methods and Background. International Review of Hydrobiology, 2011, 96, 435-483.	0.5	74
826	Improving hydrologic predictions of a catchment model via assimilation of surface soil moisture. Advances in Water Resources, 2011, 34, 526-536.	1.7	157
827	Application of a pseudo simulator to evaluate the sensitivity of parameters in complex watershed models. Environmental Modelling and Software, 2011, 26, 135-143.	1.9	36
828	An agent-based simulation model of human–environment interactions in agricultural systems. Environmental Modelling and Software, 2011, 26, 845-859.	1.9	217
829	Development of a Modified Rational Equation for Arid-Region Runoff Estimation. , 2011, , .		3
830	Assessing Sustainability of Integrated Urban Water Resources Systems through a Complex Adaptive Systems Approach. , $2011, $, .		5
831	Bring integrated GIS data and modeling capabilities into HUBzero platform. , 2011, , .		6
832	Simulating Hydrologic Effects of Raised Roads within a Low-Relief Watershed. Journal of Hydrologic Engineering - ASCE, 2011, 16, 585-597.	0.8	6
833	Climate-change impact assessment using GIS-based hydrological modelling. Water International, 2011, 36, 386-397.	0.4	25
834	Restoration analyses of Yongding River in Beijing based on thrice water balance theory. , 2011, , .		0
836	GIS-based hydrologic modeling in the Qinhuai River Basin associated with land use changes., 2011,,.		1
837	Potential water quality changes due to corn expansion in the Upper Mississippi River Basin. , 2011, 21, 1068-1084.		90
838	Applied AVSWAT 2000 for Assessment of Pollutant Load in Brantas River Basin, Indonesia. Advanced Materials Research, 2011, 250-253, 3945-3948.	0.3	O

#	Article	IF	CITATIONS
839	Grid based data processing tools and applications for black sea catchment basin., 2011,,.		6
840	Preliminary study on the method and structure of the distributed hydrological model for karst irrigation area in Southwest China. , $2011, , .$		0
841	Preliminary establishment of agricultural non-point source pollution model. , 2011, , .		0
842	Connecting AnnAGNPS and CE-QUAL-W2 models for reservoir water quality prediction. , 2011, , .		O
843	Hydrological impacts of inflow and land-use changes in the Gorai River catchment, Bangladesh. Water International, 2011, 36, 357-369.	0.4	11
844	The challenge of documenting water quality benefits of conservation practices: a review of USDA-ARS's conservation effects assessment project watershed studies. Water Science and Technology, 2011, 64, 300-310.	1.2	121
845	Flow and nutrient transport in intermittent rivers: a modelling case-study on the $V\tilde{A}$ ne River using SWAT 2005. Hydrological Sciences Journal, 2011, 56, 268-287.	1.2	21
846	Multiple corn stover removal rates for cellulosic biofuels and long-term water quality impacts. Journal of Soils and Water Conservation, 2011, 66, 431-444.	0.8	24
847	The biology and functional morphology of <i>Arctica islandica</i> (Bivalvia: Arcticidae) – A gerontophilic living fossil. Marine Biology Research, 2011, 7, 540-553.	0.3	34
848	Aggregation Strategies for SSURGO Data: Effects on SWAT Soil Inputs and Hydrologic Outputs. Soil Science Society of America Journal, 2011, 75, 1908-1921.	1.2	19
849	Nutrient Tracking Tool-a user-friendly tool for calculating nutrient reductions for water quality trading. Journal of Soils and Water Conservation, 2011, 66, 400-410.	0.8	51
850	Farm-level economic impact of no-till farming in the Fort Cobb Reservoir Watershed. Journal of Soils and Water Conservation, 2012, 67, 75-86.	0.8	5
851	The Simulation Research on Non-Point Source Pollution in Lianshui Watershed. Applied Mechanics and Materials, 0, 209-211, 2018-2022.	0.2	0
852	Neuroemulation: definition and key benefits for water resources research. Hydrological Sciences Journal, 2012, 57, 407-423.	1.2	10
853	An Operation-Based Scheme for a Multiyear and Multipurpose Reservoir to Enhance Macroscale Hydrologic Models. Journal of Hydrometeorology, 2012, 13, 270-283.	0.7	50
854	Assessing NEXRAD P3 Data Effects on Stream-Flow Simulation Using SWAT Model in an Agricultural Watershed. Journal of Hydrologic Engineering - ASCE, 2012, 17, 1245-1254.	0.8	11
855	Development of a robust runoff-prediction model by fusing the Rational Equation and a modified SCS-CN method. Hydrological Sciences Journal, 2012, 57, 1118-1140.	1.2	34
856	A Multiobjective Decision Framework for River Basin Management. Applied Mechanics and Materials, 0, 238, 288-291.	0.2	0

#	Article	IF	CITATIONS
857	Spatial Distribution of Non-Point Source Pollution in Nansihu Watershed Based on SWAT Model. Advanced Materials Research, 0, 518-523, 2812-2815.	0.3	0
858	Local Derivative-Free Approximation of Computationally Expensive Posterior Densities. Journal of Computational and Graphical Statistics, 2012, 21, 476-495.	0.9	12
859	Parameter calibration and uncertainty estimation of a simple rainfall-runoff model in two case studies. Journal of Hydroinformatics, 2012, 14, 1061-1074.	1.1	8
860	Using residual analysis, auto- and cross-correlations to identify key processes for the calibration of the SWAT model in a data scarce region. Advances in Geosciences, 0, 31, 23-30.	12.0	9
861	Evaluating the downstream implications of planned water resource development in the Ethiopian portion of the Blue Nile River. Water International, 2012, 37, 362-379.	0.4	63
862	Evaluating Autoselection Methods Used for Choosing Solutions from Pareto-Optimal Set: Does Nondominance Persist from Calibration to Validation Phase?. Journal of Hydrologic Engineering - ASCE, 2012, 17, 150-159.	0.8	14
863	Watershed modeling using large-scale distributed computing in Condor and the Soil and Water Assessment Tool model. Simulation, 2012, 88, 365-380.	1.1	6
864	Analysis on water balance in different land cover types at upper reaches of Heihe River basin in northwestern China using SWAT model. , 2012, , .		0
865	Integrated solutions for hydrologic investigations in arid lands. , 2012, 8, 1588-1605.		5
866	Remote Sensing of Soil Carbon and Greenhouse Gas Dynamics across Agricultural Landscapes. , 2012, , 385-408.		1
867	Water Yield of Xitiaoxi River Basin Based on InVEST Modeling. Journal of Resources and Ecology, 2012, 3, 50-54.	0.2	51
868	Development and validation of the Texas Best Management Practice Evaluation Tool (TBET). Journal of Soils and Water Conservation, 2012, 67, 525-535.	0.8	24
869	Evaluating hydrology of the Soil and Water Assessment Tool (SWAT) with new tile drain equations. Journal of Soils and Water Conservation, 2012, 67, 513-524.	0.8	48
870	Uncertainty-based automatic calibration of HEC-HMS model using sequential uncertainty fitting approach. Journal of Hydroinformatics, 2012, 14, 286-309.	1.1	28
871	Modeling the effects of land-use change on runoff generation in the upper Huaihe River basin, China. , 2012, , .		0
873	Pareto-optimality and a search for robustness: choosing solutions with desired properties in objective space and parameter space. Journal of Hydroinformatics, 2012, 14, 270-285.	1.1	11
875	Receiving water body quality assessment: an integrated mathematical approach applied to an Italian case study. Journal of Hydroinformatics, 2012, 14, 30-47.	1.1	14
876	Sensitivity of SWAT simulated streamflow to climatic changes within the Eastern Nile River basin. Hydrology and Earth System Sciences, 2012, 16, 391-407.	1.9	69

#	Article	IF	CITATIONS
877	Distributed Geocomputation for Modeling the Hydrology of the Black Sea Watershed. NATO Science for Peace and Security Series C: Environmental Security, 2012, , 141-157.	0.1	3
878	Manure nutrient management effects in the Leon River Watershed. Journal of Soils and Water Conservation, 2012, 67, 147-157.	0.8	2
879	Multi-gauge Calibration for Modeling the Semi-Arid Santa Cruz Watershed in Arizona-Mexico Border Area Using SWAT. Air, Soil and Water Research, 2012, 5, ASWR.S9410.	1.2	46
880	Extension of the River Water Quality Model No. 1 with the fate of pesticides. Journal of Hydroinformatics, 2012, 14, 48-64.	1.1	3
881	Prediction of Dam Construction Impacts on Annual and Peak Flow Rates in Kase River Basin. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_121-I_126.	0.0	0
882	SWAT: Model Use, Calibration, and Validation. Transactions of the ASABE, 2012, 55, 1491-1508.	1.1	1,916
883	Calibration of SWAT2009 Using Crop Biomass, Evapotranspiration, and Deep Recharge: Calera Watershed in Zacatecas, Mexico Case Study. Journal of Water Resource and Protection, 2012, 04, 439-450.	0.3	6
884	SWAT and Wavelet Analysis for Understanding the Climate Change Impact on Hydrologic Response. Open Journal of Modern Hydrology, 2012, 02, 41-48.	0.4	5
885	Critical review of SWAT applications in the upper Nile basin countries. Hydrology and Earth System Sciences, 2012, 16, 3371-3381.	1.9	136
886	Multi-objective optimization for combined quality–quantity urban runoff control. Hydrology and Earth System Sciences, 2012, 16, 4531-4542.	1.9	72
887	Evaluation of AnnAGNPS and its applications in a semi-arid and semi-humid watershed in Northwest China. International Journal of Environment and Pollution, 2012, 49, 62.	0.2	5
888	WaterHUB., 2012, , .		4
889	Development and application of a hydroclimatological stream temperature model within the Soil and Water Assessment Tool. Water Resources Research, 2012, 48, .	1.7	89
890	Projections of 21st Century Sierra Nevada Local Hydrologic Flow Components Using an Ensemble of General Circulation Models ¹ . Journal of the American Water Resources Association, 2012, 48, 1104-1125.	1.0	30
891	Assessing the Relationship Between Landscape Patterns and Nonpointâ€Source Pollution in the Danjiangkou Reservoir Basin in China ¹ . Journal of the American Water Resources Association, 2012, 48, 1162-1177.	1.0	22
892	A Simple Processâ€Based Snowmelt Routine to Model Spatially Distributed Snow Depth and Snowmelt in the SWAT Model ¹ . Journal of the American Water Resources Association, 2012, 48, 1151-1161.	1.0	21
893	Modeling Hydrologic Processes and NPS Pollution in a Small Watershed in Subhumid Subtropics Using SWAT. Journal of Hydrologic Engineering - ASCE, 2012, 17, 445-454.	0.8	21
894	Hydrologic response of a Hawaiian watershed to future climate change scenarios. Hydrological Processes, 2012, 26, 2745-2764.	1.1	57

#	Article	lF	CITATIONS
895	SWAT use of gridded observations for simulating runoff $\hat{a} \in$ a Vietnam river basin study. Hydrology and Earth System Sciences, 2012, 16, 2801-2811.	1.9	81
896	Spatially differentiated management-revised discharge scenarios for an integrated analysis of multi-realisation climate and land use scenarios for the Elbe River basin. Regional Environmental Change, 2012, 12, 633-648.	1.4	27
897	Precipitation or evapotranspiration? Bayesian analysis of potential error sources in the simulation of sub-basin discharges in the Czech Elbe River basin. Regional Environmental Change, 2012, 12, 649-661.	1.4	14
898	The Contribution of Conservation Practices in Reducing Runoff, Soil Loss, and Transport of Nutrients at the Watershed Level. Water Resources Management, 2012, 26, 3831-3852.	1.9	27
899	What impact might mitigation of diffuse nitrate pollution have on river water quality in a rural catchment?. Journal of Environmental Management, 2012, 109, 19-26.	3.8	28
900	Uncertainty Analysis for Computationally Expensive Models with Multiple Outputs. Journal of Agricultural, Biological, and Environmental Statistics, 2012, 17, 623-640.	0.7	6
901	Effectiveness Assessment of Soil Erosion Critical Source Areas for Soil and Water Conservation. Journal of Resources and Ecology, 2012, 3, 138-143.	0.2	2
902	Modeling of soil erosion and sediment transport in the East River Basin in southern China. Science of the Total Environment, 2012, 441, 159-168.	3.9	69
903	Runoff Modeling in an Agro-Forested Watershed Using Remote Sensing and GIS. Journal of Hydrologic Engineering - ASCE, 2012, 17, 1255-1267.	0.8	11
904	An Ecohydrology approach to the Danube River, and the "enviroGRIDS―project. Ecohydrology and Hydrobiology, 2012, 12, 137-152.	1.0	4
905	Assimilating multi-site measurements for semi-distributed hydrological model updating. Quaternary International, 2012, 282, 122-129.	0.7	11
906	Decentralized pursuit learning automata in batch mode. , 2012, , .		3
907	Analysis of Terrestrial Discharge from Agricultural Watersheds and Its Impact on Nearshore and Offshore Reefs in Fiji. Journal of Coastal Research, 2012, 28, 1225.	0.1	16
908	Modeling the effects of land-use change on sediment yield in the upper Huaihe river basin, China. , 2012, , .		0
909	The stat of the art of terrestrial eco-hydrological mechanisms and numerical simulation. , 2012, , .		1
910	Modeling of land use and reservoir effects on nonpoint source pollution in a highly agricultural basin. Journal of Environmental Monitoring, 2012, 14, 2350.	2.1	30
911	Simulated water resource impacts and livelihood implications of stakeholder-developed scenarios in the Jaldhaka Basin, India. Water International, 2012, 37, 492-508.	0.4	7
912	The SWAT Model Applied in Water Resources Management for Guishui River Basin, Beijing. , 2012, , .		1

#	Article	IF	CITATIONS
913	Evaluating Causes of Trends in Long-Term Dissolved Reactive Phosphorus Loads to Lake Erie. Environmental Science & Environment	4.6	131
914	Research Trends in Non Point Source during 1975-2010. Physics Procedia, 2012, 33, 138-143.	1.2	10
915	An integrated multi-level watershed-reservoir modeling system for examining hydrological and biogeochemical processes in small prairie watersheds. Water Research, 2012, 46, 1207-1224.	5.3	21
916	APEX simulation of best irrigation and N management strategies for off-site N pollution control in three Mediterranean irrigated watersheds. Agricultural Water Management, 2012, 103, 88-99.	2.4	48
917	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
918	Application of unit response approach for spatial prioritization of runoff and sediment sources. Agricultural Water Management, 2012, 109, 36-45.	2.4	14
919	Mapping socio-environmentally vulnerable populations access and exposure to ecosystem services at the U.S.–Mexico borderlands. Applied Geography, 2012, 34, 413-424.	1.7	56
920	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
921	Modelling of climate-induced hydrologic changes in the Lake Winnipeg watershed. Journal of Great Lakes Research, 2012, 38, 83-94.	0.8	79
922	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
923	Impact of remotely sensed land-cover proportions on urban runoff prediction. International Journal of Applied Earth Observation and Geoinformation, 2012, 16, 54-65.	1.4	24
924	Hydrological impacts of mesquite encroachment in the upper San Pedro watershed. Journal of Arid Environments, 2012, 82, 147-155.	1.2	28
925	WPS mediation: An approach to process geospatial data on different computing backends. Computers and Geosciences, 2012, 47, 20-33.	2.0	37
926	SWATgrid: An interface for setting up SWAT in a grid-based discretization scheme. Computers and Geosciences, 2012, 45, 161-167.	2.0	28
927	Using modeled runoff to study DOC dynamics in stream and river flow: A case study of an urban watershed southeast of Boston, Massachusetts. Ecological Engineering, 2012, 42, 212-222.	1.6	14
928	Analyzing the effects of different soil databases on modeling of hydrological processes and sediment yield in Benin (West Africa). Geoderma, 2012, 173-174, 61-74.	2.3	35
930	Modelling of riverine ecosystems by integrating models: conceptual approach, a case study and research agenda. Journal of Biogeography, 2012, 39, 2253-2263.	1.4	52
931	Modelling water provision as an ecosystem service in a large East African river basin. Hydrology and Earth System Sciences, 2012, 16, 69-86.	1.9	55

#	Article	IF	CITATIONS
932	Cropping Pattern Modifications Change Water Resource Demands in the Beijing Metropolitan Area. Journal of Integrative Agriculture, 2012, 11, 1914-1923.	1.7	31
933	Management options to reduce future nitrogen emissions into rivers: A case study of the Weser river basin, Germany. Agricultural Water Management, 2012, 115, 118-131.	2.4	34
934	Modeling the effects of crop patterns and management scenarios on N and P loads to surface water and groundwater in a semi-humid catchment (West Africa). Agricultural Water Management, 2012, 115, 20-37.	2.4	39
935	Incorporating land-use changes and surface–groundwater interactions in a simple catchment water yield model. Environmental Modelling and Software, 2012, 38, 62-73.	1.9	34
936	An integrated approach to quantify the impact of watershed management on coastal morphology. Ocean and Coastal Management, 2012, 69, 68-77.	2.0	20
937	Investigation into the impacts of land-use change on sediment yield characteristics in the upper Huaihe River basin, China. Physics and Chemistry of the Earth, 2012, 53-54, 1-9.	1.2	48
938	Hydrological Response to Climate Change in Beijiang River Basin Based on the SWAT Model. Procedia Engineering, 2012, 28, 241-245.	1.2	26
939	Simulation of Soil and Water Loss in the Upper Huaihe River Basin using the Xinanjiang Model. Procedia Engineering, 2012, 28, 501-505.	1.2	8
940	Comparison and evaluation of spatial interpolation schemes for daily rainfall in data scarce regions. Journal of Hydrology, 2012, 464-465, 388-400.	2.3	198
941	SWAT application in intensive irrigation systems: Model modification, calibration and validation. Journal of Hydrology, 2012, 470-471, 227-238.	2.3	105
942	Impact of spatial rainfall variability on hydrology and nonpoint source pollution modeling. Journal of Hydrology, 2012, 472-473, 205-215.	2.3	66
943	Rainfall–runoff modeling of recent hydroclimatic change in a subtropical lake catchment: Laguna Mar Chiquita, Argentina. Journal of Hydrology, 2012, 475, 379-391.	2.3	15
944	Hydrological impacts of climate change on streamflow of Dongliao River watershed in Jilin Province, China. Chinese Geographical Science, 2012, 22, 522-530.	1.2	8
945	Streamflow Modelling: A Primer on Applications, Approaches and Challenges. Atmosphere - Ocean, 2012, 50, 507-536.	0.6	74
946	Evaluation of High-Resolution Satellite Rainfall Products through Streamflow Simulation in a Hydrological Modeling of a Small Mountainous Watershed in Ethiopia. Journal of Hydrometeorology, 2012, 13, 338-350.	0.7	149
947	Analysis of parameter uncertainty in hydrological and sediment modeling using GLUE method: a case study of SWAT model applied to Three Gorges Reservoir Region, China. Hydrology and Earth System Sciences, 2012, 16, 121-132.	1.9	150
948	KINEROS2/AGWA: Model Use, Calibration, and Validation. Transactions of the ASABE, 2012, 55, 1561-1574.	1.1	92
949	Use of the swat model for hydro-sedimentologic simulation in a small rural watershed. Revista Brasileira De Ciencia Do Solo, 2012, 36, 557-565.	0.5	23

#	Article	IF	CITATIONS
950	Implementation of BMP Strategies for Adaptation to Climate Change and Land Use Change in a Pasture-Dominated Watershed. International Journal of Environmental Research and Public Health, 2012, 9, 3654-3684.	1.2	32
951	Downstream Impacts of the Melamchi Inter-Basin Water Transfer Plan (MIWTP) Under Current and Future Climate Change Projections. Hydro Nepal: Journal of Water, Energy & Environment, 0, , 23-29.	0.1	8
952	Strengths, Weaknesses, Opportunities and Threats of Catchment Modelling with Soil and Water Assessment Tool (SWAT) Model., 0, , .		15
953	Watershed discretization based on multiple factors and its application in the Chinese Loess Plateau. Hydrology and Earth System Sciences, 2012, 16, 59-68.	1.9	10
954	Evaluating Nutrient Tracking Tool (NTT) and simulated conservation practices. , 2012, , .		1
955	Using an integrated method to estimate watershed sediment yield during heavy rain period: a case study in Hualien County, Taiwan. Natural Hazards and Earth System Sciences, 2012, 12, 1949-1960.	1.5	13
956	Rethinking Development Models and Irrigation Projects in Nepal. Hydro Nepal: Journal of Water, Energy & Environment, 2012, , 112-120.	0.1	0
957	Assessing the Impact of Hydraulic Fracturing on Water Resources in the Fayetteville Shale Area (Arkansas, USA). , 2012, , .		0
958	Modeling runoff with AnnAGNPS model in a small agricultural catchment, in Mediterranean environment. , 2012, , .		0
959	Impacts of climate variability on Soybean and Corn yields in Mississippi Delta., 2012,,.		0
960	Modelling the contribution of short-range atmospheric and hydrological transfers to nitrogen fluxes, budgets and indirect emissions in rural landscapes. Biogeosciences, 2012, 9, 1647-1660.	1.3	6
962	FIELD SCALE MODELING TO ESTIMATE PHOSPHORUS AND SEDIMENT LOAD REDUCTIONS USING A NEWLY DEVELOPED GRAPHICAL USER INTERFACE FOR SOIL AND WATER ASSESSMENT TOOL. American Journal of Environmental Sciences, 2012, 8, 605-614.	0.3	4
963	Calibration and evaluation of a semi-distributed watershed model of Sub-Saharan Africa using GRACE data. Hydrology and Earth System Sciences, 2012, 16, 3083-3099.	1.9	54
964	Modelling of Surface Water Quality by Catchment Model SWAT. , 0, , .		4
965	Evaluation of Variation in Nitrate Concentration Levels in the Raccoon River Watershed in Iowa. Journal of Environmental Quality, 2012, 41, 1557-1565.	1.0	7
966	Modelling nitrogen and phosphorus loads in a Mediterranean river catchment (La Tordera, NE Spain). Hydrology and Earth System Sciences, 2012, 16, 2417-2435.	1.9	13
967	Using the UKCP09 probabilistic scenarios to model the amplified impact of climate change on drainage basin sediment yield. Hydrology and Earth System Sciences, 2012, 16, 4401-4416.	1.9	64
968	Watershedâ€level Comparison of Predictability and Sensitivity of Two Phosphorus Models. Journal of Environmental Quality, 2012, 41, 1642-1652.	1.0	12

#	ARTICLE	IF	CITATIONS
969	A MULTITAXONOMIC APPROACH TO UNDERSTANDING LOCAL―VERSUS WATERSHEDâ€6CALE INFLUENCES ON STREAM BIOTA IN THE LAKE CHAMPLAIN BASIN, VERMONT, USA. River Research and Applications, 2012, 28, 973-988.	0.7	4
970	A DEMâ€based parallel computing hydrodynamic and transport model. River Research and Applications, 2012, 28, 647-658.	0.7	12
971	CLASSIFICATION OF FLOW REGIMES FOR ENVIRONMENTAL FLOW ASSESSMENT IN REGULATED RIVERS: THE HUAI RIVER BASIN, CHINA. River Research and Applications, 2012, 28, 989-1005.	0.7	102
972	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
973	Erosion modelling designed for water quality simulation. Ecohydrology, 2012, 5, 269-278.	1.1	9
974	Controls on a scale explicit analysis of sheet erosion. Earth Surface Processes and Landforms, 2012, 37, 847-854.	1.2	15
975	Impact and uncertainties of climate change on the hydrology of the Mara River basin, Kenya/Tanzania. Hydrological Processes, 2013, 27, 2973-2986.	1.1	59
976	Using a processâ€based catchmentâ€scale model for enhancing fieldâ€based stream assessments and predicting stream fish assemblages. Aquatic Conservation: Marine and Freshwater Ecosystems, 2012, 22, 511-525.	0.9	7
977	Management strategies for reducing soil degradation through modeling in a GIS environment in northern Ethiopia catchment. Nutrient Cycling in Agroecosystems, 2012, 92, 255-272.	1.1	20
978	Assessments of Impacts of Climate Change and Human Activities on Runoff with SWAT for the Huifa River Basin, Northeast China. Water Resources Management, 2012, 26, 2199-2217.	1.9	198
979	Optimizing Structural Best Management Practices Using SWAT and Genetic Algorithm to Improve Water Quality Goals. Water Resources Management, 2012, 26, 1827-1845.	1.9	127
980	Water losses in arid and semi-arid zone: Evaporation, evapotranspiration and seepage. Journal of Mountain Science, 2012, 9, 256-261.	0.8	7
981	Geoinformatics for assessing the morphometric control on hydrological response at watershed scale in the Upper Indus Basin. Journal of Earth System Science, 2012, 121, 659-686.	0.6	123
982	Soil erosion and sediment yield modeling using RS and GIS techniques: a case study, Iran. Arabian Journal of Geosciences, 2012, 5, 285-296.	0.6	53
983	Soil erosion risk assessment of the Keiskamma catchment, South Africa using GIS and remote sensing. Environmental Earth Sciences, 2012, 65, 2087-2102.	1.3	82
984	Sources of groundwater pumpage in a layered aquifer system in the Upper Gulf Coastal Plain, USA. Hydrogeology Journal, 2012, 20, 783-796.	0.9	16
985	A novel framework for analysis of cross-media environmental effects from agricultural conservation practices. Agriculture, Ecosystems and Environment, 2012, 146, 44-51.	2.5	12
986	The impact of climate change on Yam (Dioscorea alata) yield in the savanna zone of West Africa. Agriculture, Ecosystems and Environment, 2012, 153, 57-64.	2.5	47

#	Article	IF	CITATIONS
987	Modeling Climate Change Impacts on Hydrology and Nutrient Loading in the Upper Assiniboine Catchment ¹ . Journal of the American Water Resources Association, 2012, 48, 74-89.	1.0	56
988	Incorporating Variable Source Area Hydrology into a Spatially Distributed Direct Runoff Model ¹ . Journal of the American Water Resources Association, 2012, 48, 43-60.	1.0	18
989	Sensitivity Analysis of Best Management Practices Under Climate Change Scenarios $<$ sup>1 $<$ sup>. Journal of the American Water Resources Association, 2012, 48, 90-112.	1.0	40
990	Validation of Satellite Precipitation Adjustment Methodology From Seven Basins in the Continental United States ¹ . Journal of the American Water Resources Association, 2012, 48, 221-234.	1.0	6
991	Impacts of Climate Change on Hydrology and Water Resources in the Boise and Spokane River Basins ¹ . Journal of the American Water Resources Association, 2012, 48, 197-220.	1.0	37
992	Improved SWAT Model Performance With Timeâ€Dynamic Voronoi Tessellation of Climatic Input Data in Southern Africa ¹ . Journal of the American Water Resources Association, 2012, 48, 480-493.	1.0	11
993	Sensitivity analysis of the <scp>DRAINWAT</scp> model applied to an agricultural watershed in the lower coastal plain, <scp>N</scp> orth <scp>C</scp> arolina, <scp>USA</scp> . Water and Environment Journal, 2012, 26, 130-145.	1.0	12
994	Field_SWAT: A tool for mapping SWAT output to field boundaries. Computers and Geosciences, 2012, 40, 175-184.	2.0	24
995	Estimation of effective fallow availability for the prediction of yam productivity at the regional scale using model-based multiple scenario analysis. Field Crops Research, 2012, 131, 32-39.	2.3	17
996	Model intercomparison to explore catchment functioning: Results from a remote montane tropical rainforest. Ecological Modelling, 2012, 239, 3-13.	1.2	42
997	An improved SWAT-based computational framework for identifying critical source areas for agricultural pollution at the lake basin scale. Ecological Modelling, 2012, 226, 1-10.	1.2	76
998	Using models to bridge the gap between land use and algal blooms: An example from the Loweswater catchment, UK. Environmental Modelling and Software, 2012, 36, 64-75.	1.9	32
999	Decision support for diffuse pollution management. Environmental Modelling and Software, 2012, 30, 57-70.	1.9	100
1000	Automating calibration, sensitivity and uncertainty analysis of complex models using the R package Flexible Modeling Environment (FME): SWAT as an example. Environmental Modelling and Software, 2012, 31, 99-109.	1.9	77
1001	A parallelization framework for calibration of hydrological models. Environmental Modelling and Software, 2012, 31, 28-36.	1.9	129
1002	Impacts of biofuels production alternatives on water quantity and quality in the Iowa River Basin. Biomass and Bioenergy, 2012, 36, 182-191.	2.9	96
1003	Identifying potential areas for biofuel production and evaluating the environmental effects: a case study of the <scp> < scp>ames <scp>R< scp>identifying potential areas for biofuel production and evaluating the environmental effects: a case study of the <scp> < scp>ames <scp> < scp>asin in the <scp>M< scp>identifying description and evaluating the environmental effects: a case study of the <scp> < scp>asin in the <scp>asin in the <scp>a</scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp></scp>	2.5	49
1004	A method coupled with remote sensing data to evaluate non-point source pollution in the Xin'anjiang catchment of China. Science of the Total Environment, 2012, 430, 132-143.	3.9	58

#	Article	IF	CITATIONS
1005	Predicting impacts of increased CO2 and climate change on the water cycle and water quality in the semiarid James River Basin of the Midwestern USA. Science of the Total Environment, 2012, 430, 150-160.	3.9	74
1006	Model calibration and uncertainty analysis for runoff in the Chao River Basin using sequential uncertainty fitting. Procedia Environmental Sciences, 2012, 13, 1760-1770.	1.3	25
1007	Simulation and Validation of Non-point Source Nitrogen and Phosphorus Loads under Different Land Uses in Sihu Basin, Hubei Province, China. Procedia Environmental Sciences, 2012, 13, 1781-1797.	1.3	21
1008	Development of a regional crop growth model for Northeast China. Procedia Environmental Sciences, 2012, 13, 1946-1955.	1.3	3
1009	Evaluation of targeting methods for implementation of best management practices in the Saginaw River Watershed. Journal of Environmental Management, 2012, 103, 24-40.	3.8	108
1010	Water quality targets and maintenance of valued landscape character – Experience in the Axe catchment, UK. Journal of Environmental Management, 2012, 103, 142-153.	3.8	24
1011	Using precipitation data ensemble for uncertainty analysis in SWAT streamflow simulation. Journal of Hydrology, 2012, 414-415, 413-424.	2.3	154
1012	Stage-dependent hydraulic and hydromorphologic properties in stream networks translated into response functions of compartmental models. Journal of Hydrology, 2012, 420-421, 25-36.	2.3	7
1013	Advancing representation of hydrologic processes in the Soil and Water Assessment Tool (SWAT) through integration of the TOPographic MODEL (TOPMODEL) features. Journal of Hydrology, 2012, 420-421, 319-328.	2.3	43
1014	Development of error correction techniques for nitrate-N load estimation methods. Journal of Hydrology, 2012, 432-433, 12-25.	2.3	28
1015	Assessing the spatial and temporal variations of water quality in lowland areas, Northern Germany. Journal of Hydrology, 2012, 438-439, 137-147.	2.3	44
1016	Impact of suspended sediment and nutrient loading from land uses against water quality in the Hii River basin, Japan. Journal of Hydrology, 2012, 450-451, 25-35.	2.3	68
1017	Modeling and forecasting river flow rate from the Melen Watershed, Turkey. Journal of Hydrology, 2012, 456-457, 121-129.	2.3	20
1018	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
1019	Assessing impacts of agricultural water interventions in the Kothapally watershed, Southern India. Hydrological Processes, 2012, 26, 387-404.	1.1	98
1020	Impact of the spatial arrangement of land management practices on surface runoff for small catchments. Hydrological Processes, 2012, 26, 255-271.	1.1	13
1021	A watershed rainfall data recovery approach with application to distributed hydrological models. Hydrological Processes, 2012, 26, 1937-1948.	1.1	7
1022	Geospatially based distributed rainfallâ€runoff modelling for simulation of internal and outlet responses in a semiâ€forested lower Himalayan watershed. Hydrological Processes, 2012, 26, 1405-1426.	1.1	1

#	Article	IF	CITATIONS
1023	Recharge estimation using remotely sensed evapotranspiration in an irrigated catchment in southeast Australia. Hydrological Processes, 2012, 26, 1379-1389.	1.1	41
1024	Simulated watershed scale impacts of corn stover removal for biofuel on hydrology and water quality. Hydrological Processes, 2012, 26, 1629-1641.	1.1	65
1025	Predicting the impact of linear landscape elements on surface runoff, soil erosion, and sedimentation in the Wahnbach catchment, Germany. Hydrological Processes, 2012, 26, 1642-1654.	1.1	11
1026	Impact of climate change on streamflow in the arid Shiyang River Basin of northwest China. Hydrological Processes, 2012, 26, 2733-2744.	1.1	61
1027	Assessment of future stream flow over the Sesan catchment of the Lower Mekong Basin in Vietnam. Hydrological Processes, 2012, 26, 3661-3668.	1.1	23
1028	Modelling the rainfall–runoff process of the Mara River basin using the Soil and Water Assessment Tool. Hydrological Processes, 2012, 26, 4038-4049.	1.1	74
1029	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
1030	Multi-Objective Sensitivity Analysis of a Fully Distributed Hydrologic Model WetSpa. Water Resources Management, 2012, 26, 109-128.	1.9	19
1031	Runoff and Sediment Yield Modelling for a Treated Hilly Watershed in Eastern Himalaya Using the Water Erosion Prediction Project Model. Water Resources Management, 2012, 26, 643-665.	1.9	22
1032	Hydrological effects of the increased CO2 and climate change in the Upper Mississippi River Basin using a modified SWAT. Climatic Change, 2012, 110, 977-1003.	1.7	124
1033	Response of non-point source pollutant loads to climate change in the Shitoukoumen reservoir catchment. Environmental Monitoring and Assessment, 2012, 184, 581-594.	1.3	30
1034	Assessment of surface water resources and evapotranspiration in the Haihe River basin of China using SWAT model. Hydrological Processes, 2013, 27, 1200-1222.	1.1	50
1035	Application of the soil and water assessment tool model on the Lower Porsuk Stream Watershed. Hydrological Processes, 2013, 27, 453-466.	1.1	23
1036	Hydrological analysis of the Upper Tiber River Basin, Central Italy: a watershed modelling approach. Hydrological Processes, 2013, 27, 2339-2351.	1.1	34
1037	Greenâ€Ampt Curveâ€Number mixed procedure as an empirical tool for rainfall–runoff modelling in small and ungauged basins. Hydrological Processes, 2013, 27, 1253-1264.	1.1	106
1038	Effect of landâ€use changes on nonpoint source pollution in the Xizhi River watershed, Guangdong, China. Hydrological Processes, 2013, 27, 2557-2566.	1.1	18
1039	Climate change sensitivity assessment of streamflow and agricultural pollutant transport in California's Central Valley using Latin hypercube sampling. Hydrological Processes, 2013, 27, 2666-2675.	1.1	25
1040	Impact of human activities on stream flow in the Biliu River basin, China. Hydrological Processes, 2013, 27, 2509-2523.	1.1	29

#	Article	IF	CITATIONS
1041	Simulated runoff responses to land use in the middle and upstream reaches of Taoerhe River basin, Northeast China, in wet, average and dry years. Hydrological Processes, 2013, 27, 3484-3494.	1.1	15
1042	How does afforestation affect the hydrology of a blanket peatland? A modelling study. Hydrological Processes, 2013, 27, 3577-3588.	1.1	9
1043	Recharge estimation of a small karstic aquifer in a semiarid Mediterranean region (southeastern) Tj ETQq0 0 0 rgE	3T/Overloo	ck 10 Tf 50 6
1044	Watershed modelling of hydrology and water quality in the Sacramento River watershed, California. Hydrological Processes, 2013, 27, 236-250.	1.1	46
1045	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
1046	Comparison of sediment transport computations using hydrodynamic versus hydrologic models in the Simiyu River in Tanzania. Physics and Chemistry of the Earth, 2013, 61-62, 12-21.	1.2	19
1047	The role of soil surface water regimes and raindrop impact on hillslope soil erosion and nutrient losses. Natural Hazards, 2013, 67, 411-430.	1.6	27
1048	A quantitative approach to evaluating ecosystem services. Ecological Modelling, 2013, 257, 57-65.	1.2	108
1049	Effect of Climate Change on Runoff Generation: Application to Rift Valley Lakes Basin of Ethiopia. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1048-1063.	0.8	23
1050	Hydrobal: An eco-hydrological modelling approach for assessing water balances in different vegetation types in semi-arid areas. Ecological Modelling, 2013, 266, 30-41.	1.2	29
1051	Impact of climate change on hydrology of upper reaches of Qiantang River Basin, East China. Journal of Hydrology, 2013, 483, 51-60.	2.3	101
1052	Modeling impacts of climate change on freshwater availability in Africa. Journal of Hydrology, 2013, 480, 85-101.	2.3	197
1053	Modeling the potential impacts of climate change on streamflow in agricultural watersheds of the Midwestern United States. Journal of Hydrology, 2013, 491, 73-88.	2.3	155
1054	Modeling hydrology, groundwater recharge and non-point nitrate loadings in the Himalayan Upper Yamuna basin. Science of the Total Environment, 2013, 468-469, S102-S116.	3.9	48
1055	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
1056	Modeling impacts of sediment delivery ratio and land management on adsorbed non-point source nitrogen and phosphorus load in a mountainous basin of the Three Gorges reservoir area, China. Environmental Earth Sciences, 2013, 70, 1405-1422.	1.3	44
1057	The streamflow trend in Tangwang River basin in northeast China and its difference response to climate and land use change in sub-basins. Environmental Earth Sciences, 2013, 69, 51-62.	1.3	29
1058	Assessment of uncertainty in river flow projections for the Mekong River using multiple GCMs and hydrological models. Journal of Hydrology, 2013, 486, 1-30.	2.3	109

#	Article	IF	Citations
1059	Multi-Criteria Decision Making Approach for Watershed Prioritization Using Analytic Hierarchy Process Technique and GIS. Water Resources Management, 2013, 27, 3555-3571.	1.9	138
1060	Assessment of soil erosion risk using SWAT model. Arabian Journal of Geosciences, 2013, 6, 4011-4019.	0.6	53
1061	Perennial Biomass Grasses and the Mason–Dixon Line: Comparative Productivity across Latitudes in the Southern Great Plains. Bioenergy Research, 2013, 6, 276-291.	2.2	53
1062	Identification of effective best management practices in sediment yield diminution using GeoWEPP: the Kasilian watershed case study. Environmental Monitoring and Assessment, 2013, 185, 9803-9817.	1.3	9
1063	Modelling potential impacts of climate change on water and nitrate export from a mid-sized, semiarid watershed in the US Southwest. Climatic Change, 2013, 120, 419-431.	1.7	57
1064	An assessment of long-term overtopping risk and optimal termination time of dam under climate change. Journal of Environmental Management, 2013, 121, 57-71.	3.8	30
1065	A tool for mapping and spatio-temporal analysis of hydrological data. Environmental Modelling and Software, 2013, 48, 163-170.	1.9	25
1066	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
1067	Model for Prioritizing Best Management Practice Implementation: Sediment Load Reduction. Environmental Management, 2013, 51, 209-224.	1.2	32
1068	The impact of forest to urban land conversion on streamflow, total nitrogen, total phosphorus, and total organic carbon inputs to the converse reservoir, Southern Alabama, USA. Urban Ecosystems, 2013, 16, 79-107.	1.1	17
1069	Examining the Possibilities: Generating Alternative Watershed-Scale BMP Designs with Evolutionary Algorithms. Water Resources Management, 2013, 27, 3849-3863.	1.9	32
1070	Ecological Compensation Estimation of Soil and Water Conservation Based on Cost-Benefit Analysis. Water Resources Management, 2013, 27, 2709-2727.	1.9	29
1071	Modelling Rainfall Runoff Relations Using HEC-HMS and IHACRES for a Single Rain Event in an Arid Region of Jordan. Water Resources Management, 2013, 27, 2391-2409.	1.9	72
1072	Spatial and Temporal Variabilities of Sediment Delivery Ratio. Water Resources Management, 2013, 27, 2483-2499.	1.9	25
1073	Remote Sensing of Soil and Water Quality in Agroecosystems. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	17
1074	Formulation of Indices to Describe Intrinsic Nitrogen Transformation Rates for the Implementation of Best Management Practices in Agricultural Lands. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	17
1075	Modeling the impact of nitrogen fertilizer application and tile drain configuration on nitrate leaching using SWAT. Agricultural Water Management, 2013, 130, 36-43.	2.4	51
1076	Effects of spatial information of soil physical properties on hydrological modeling based on a distributed hydrological model. Chinese Geographical Science, 2013, 23, 182-193.	1.2	8

#	Article	IF	CITATIONS
1077	The Impact of El Niño/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
1078	Capability and limitations of a simple grid-based model for simulating land use influences on stream nitrate concentrations. Journal of Hydrology, 2013, 507, 110-123.	2.3	11
1079	Targeting of intervention areas to reduce reservoir sedimentation in the Tana catchment (Kenya) using SWAT. Hydrological Sciences Journal, 2013, 58, 600-614.	1.2	48
1080	Comparison of extreme weather events and streamflow from drought indices and a hydrological model in River Malaba, Eastern Uganda. International Journal of Environmental Studies, 2013, 70, 940-951.	0.7	19
1081	Impacts of changes in climate and land use/land cover under IPCC RCP scenarios on streamflow in the Hoeya River Basin, Korea. Science of the Total Environment, 2013, 452-453, 181-195.	3.9	190
1082	SWAT plant growth modification for improved modeling of perennial vegetation in the tropics. Ecological Modelling, 2013, 269, 98-112.	1.2	104
1083	Evaluating watershed service availability under future management and climate change scenarios in the Pangani Basin. Physics and Chemistry of the Earth, 2013, 61-62, 1-11.	1.2	19
1084	CASIMOD'N: An agro-hydrological distributed model of catchment-scale nitrogen dynamics integrating farming system decisions. Agricultural Systems, 2013, 118, 41-51.	3.2	26
1085	Evaluating the impact of field-scale management strategies on sediment transport to the watershed outlet. Journal of Environmental Management, 2013, 128, 735-748.	3.8	16
1086	Modeling the Effects of Climate Change and Human Activities on the Hydrological Processes in a Semiarid Watershed of Loess Plateau. Journal of Hydrologic Engineering - ASCE, 2013, 18, 401-412.	0.8	29
1087	Parallelization of a hydrological model using the message passing interface. Environmental Modelling and Software, 2013, 43, 124-132.	1.9	56
1088	Predicting soil erosion and sediment yield at regional scales: Where do we stand?. Earth-Science Reviews, 2013, 127, 16-29.	4.0	348
1089	Flood generation and classification of a semi-arid intermittent flow watershed: Evrotas river. International Journal of River Basin Management, 2013, 11, 77-92.	1.5	24
1090	Parameter and rating curve uncertainty propagation analysis of the SWAT model for two small Mediterranean catchments. Hydrological Sciences Journal, 2013, 58, 1635-1657.	1.2	37
1091	Assessment of Future Climate Change Impact on Water Quality of <scp>C</scp> hungju <scp>L</scp> ake, <scp>S</scp> outh <scp>K</scp> orea, Using <scp>WASP</scp> Coupled with <scp>SWAT</scp> . Journal of the American Water Resources Association, 2013, 49, 1225-1238.	1.0	33
1092	Trend analysis for the flows of green and blue water in the Heihe River basin, northwestern China. Journal of Hydrology, 2013, 502, 27-36.	2.3	72
1093	Development of a cross-section based streamflow routing package for MODFLOW. Environmental Modelling and Software, 2013, 50, 132-143.	1.9	16
1094	A comparison of hydrological models for assessing the impact of land use and climate change on discharge in a tropical catchment. Journal of Hydrology, 2013, 498, 221-236.	2.3	118

#	Article	IF	CITATIONS
1095	Potential climate change effects on groundwater recharge in the High Plains Aquifer, USA. Water Resources Research, 2013, 49, 3936-3951.	1.7	156
1096	Uncertainty-based evaluation and comparison of SWAT and HSPF applications to the Illinois River Basin. Journal of Hydrology, 2013, 481, 119-131.	2.3	70
1097	Assessment of nitrogen and phosphorus loads and causal factors from different land use and soil types in the Three Gorges Reservoir Area. Science of the Total Environment, 2013, 454-455, 383-392.	3.9	77
1098	Modifying the Soil and Water Assessment Tool to simulate cropland carbon flux: Model development and initial evaluation. Science of the Total Environment, 2013, 463-464, 810-822.	3.9	64
1099	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
1100	Effect of Nutrient Management Planning on Crop Yield, Nitrate Leaching and Sediment Loading in Thomas Brook Watershed. Environmental Management, 2013, 52, 1177-1191.	1.2	23
1101	Modeling the Impacts of Spatial Heterogeneity in the Castor Watershed on Runoff, Sediment, and Phosphorus Loss Using SWAT: I. Impacts of Spatial Variability of Soil Properties. Water, Air, and Soil Pollution, 2013, 224, 1692.	1.1	17
1102	Rainfall-runoff Modeling in a Watershed Scale Using an Object Oriented Approach Based on the Concepts of System Dynamics. Water Resources Management, 2013, 27, 5119.	1.9	16
1103	Assessment of the SWAT model prediction uncertainty using the GLUE approach A case study of the Chiba catchment (Tunisia). , 2013, , .		0
1104	9.37 Impacts of Land-Use and Land-Cover Change on River Systems. , 2013, , 768-793.		46
1105	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
1106	End-to-End Cyberinfrastructure for Decision-Making Support in Watershed Management. Journal of Water Resources Planning and Management - ASCE, 2013, 139, 565-573.	1.3	26
1107	Optimizing conservation practices in watersheds: Do community preferences matter?. Water Resources Research, 2013, 49, 6425-6449.	1.7	20
1108	Opportunities to Build Groundwater Resilience in the Semiâ€Arid Tropics. Ground Water, 2013, 51, 679-691.	0.7	16
1109	Water erosion risk assessment in south africa: a proposed methodological framework. Geografiska Annaler, Series A: Physical Geography, 2013, 95, 323-336.	0.6	8
1110	Complex Adaptive Systems Approach to Simulate the Sustainability of Water Resources and Urbanization. Journal of Water Resources Planning and Management - ASCE, 2013, 139, 554-564.	1.3	66
1111	Optimal Location of Sediment-Trapping Best Management Practices for Nonpoint Source Load Management. Journal of Water Resources Planning and Management - ASCE, 2013, 139, 478-485.	1.3	7
1112	On the choice of calibration periods and objective functions: A practical guide to model parameter identification. Acta Geophysica, 2013, 61, 1477-1503.	1.0	16

#	Article	IF	CITATIONS
1113	WATER QUALITY TRADING PROGRAMS TOWARDS SOLVING ENVIRONMENTAL POLLUTION PROBLEMS. Irrigation and Drainage, 2013, 62, 72-92.	0.8	16
1114	Model Calibration and Uncertainty Analysis for Runoff in the Upper Sind River Basin, India, Using Sequential Uncertainty Fitting. , 2013 , , .		1
1115	Modelling the effect of irrigation on the hydrological output from a small prairie watershed. Canadian Water Resources Journal, 2013, 38, 280-295.	0.5	8
1116	Assessing the Stream Flow Effects of Groundwater Pumping and Return Flow from Irrigation. , 2013, , .		3
1117	Temporal and spatial variation of the main water balance components in the three rivers source region, China from 1960 to 2000. Environmental Earth Sciences, 2013, 68, 973-983.	1.3	33
1118	Assessing urbanisation effects on rainfall-runoff using a remote sensing supported modelling strategy. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 92-102.	1.4	54
1119	Evaluating DEM source and resolution uncertainties in the Soil and Water Assessment Tool. Stochastic Environmental Research and Risk Assessment, 2013, 27, 209-221.	1.9	83
1120	The influence of parameter distribution uncertainty on hydrological and sediment modeling: a case study of SWAT model applied to the Daning watershed of the Three Gorges Reservoir Region, China. Stochastic Environmental Research and Risk Assessment, 2013, 27, 235-251.	1.9	32
1121	Effects of projected climate change on the hydrology in the Mono Lake Basin, California. Climatic Change, 2013, 116, 111-131.	1.7	60
1122	Streamflow Modeling in a Highly Managed Mountainous Glacier Watershed Using SWAT: The Upper Rhone River Watershed Case in Switzerland. Water Resources Management, 2013, 27, 323-339.	1.9	132
1123	Hydrological Prediction in a Tropical Watershed Dominated by Oxisols Using a Distributed Hydrological Model. Water Resources Management, 2013, 27, 341-363.	1.9	42
1124	Application of the SWAT Model for a Tile-Drained Lowland Catchment in North-Eastern Germany on Subbasin Scale. Water Resources Management, 2013, 27, 791-805.	1.9	53
1125	Stochastic Assessment of Long-Term Impacts of Phosphorus Management Options on Sustainability with and without Climate Change. Journal of Water Resources Planning and Management - ASCE, 2013, 139, 512-519.	1.3	3
1126	Sediment Transport in the Koiliaris River of Crete. Procedia Technology, 2013, 8, 315-323.	1.1	3
1127	Spatial identification and optimization of upland wetlands in agricultural watersheds. Ecological Engineering, 2013, 52, 130-142.	1.6	68
1128	The impact of Best Management Practices on simulated streamflow and sediment load in a Central Brazilian catchment. Journal of Environmental Management, 2013, 127, S24-S36.	3.8	101
1129	Quantifying and mapping multiple ecosystem services change in West Africa. Agriculture, Ecosystems and Environment, 2013, 165, 6-18.	2.5	304
1130	Evaluation of best management practices under intensive irrigation using SWAT model. Agricultural Water Management, 2013, 123, 55-64.	2.4	50

#	Article	IF	Citations
1131	Advanced modelling of runoff and soil redistribution for agricultural systems: The SERT model. Agricultural Water Management, 2013, 125, 1-12.	2.4	25
1132	Identifying critical source areas of nonpoint source pollution with SWAT and GWLF. Ecological Modelling, 2013, 268, 123-133.	1.2	144
1133	Modeling runoff and soil erosion in the Three-Gorge Reservoir drainage area of China using limited plot data. Journal of Hydrology, 2013, 492, 163-175.	2.3	16
1134	Finding options to improve catchment water qualityâ€"Lessons learned from historical land use situations in a Mediterranean catchment in Slovenia. Ecological Modelling, 2013, 261-262, 58-73.	1.2	18
1135	Using a parallelized MCMC algorithm in R to identify appropriate likelihood functions for SWAT. Environmental Modelling and Software, 2013, 46, 292-298.	1.9	66
1136	The evolution and empirical estimation of ecological-economic production possibilities frontiers. Ecological Economics, 2013, 90, 1-9.	2.9	31
1137	Simulating the long term impact of nitrate mitigation scenarios in a pilot study basin. Agricultural Water Management, 2013, 124, 85-96.	2.4	19
1138	Sobol′'s sensitivity analysis for a distributed hydrological model of Yichun River Basin, China. Journal of Hydrology, 2013, 480, 58-68.	2.3	119
1139	Multi-variable calibration of a semi-distributed hydrological model using streamflow data and satellite-based evapotranspiration. Journal of Hydrology, 2013, 505, 276-290.	2.3	94
1140	OpenMI-based integrated sediment transport modelling of the river Zenne, Belgium. Environmental Modelling and Software, 2013, 47, 193-206.	1.9	57
1141	Computer-assisted mesh generation based on hydrological response units for distributed hydrological modeling. Computers and Geosciences, 2013, 57, 32-43.	2.0	14
1142	Simulating stream health sensitivity to landscape changes due to bioenergy crops expansion. Biomass and Bioenergy, 2013, 58, 198-209.	2.9	21
1143	Assessing the impacts of crop-rotation and tillage on crop yields and sediment yield using a modeling approach. Agricultural Water Management, 2013, 119, 32-42.	2.4	58
1144	Distributed computation of large scale SWAT models on the Grid. Environmental Modelling and Software, 2013, 41, 223-230.	1.9	43
1145	Scenario-testing of agricultural best management practices in Lake Erie watersheds. Journal of Great Lakes Research, 2013, 39, 429-436.	0.8	110
1146	Evapotranspiration estimation methods in hydrological models. Journal of Chinese Geography, 2013, 23, 359-369.	1.5	181
1147	Evolutionary assimilation of streamflow in distributed hydrologic modeling using in-situ soil moisture data. Advances in Water Resources, 2013, 53, 231-241.	1.7	42
1148	Modeling the impact of rangeland management on forage production of sagebrush species in arid and semi-arid regions of Iran. Ecological Modelling, 2013, 250, 1-14.	1.2	29

#	Article	IF	CITATIONS
1149	Application of variance decomposition approach in the uncertainty analysis of a hydrological model. Canadian Journal of Civil Engineering, 2013, 40, 373-381.	0.7	1
1150	Assessing the impact of climate change scenarios on water resources in southern Brazil. Hydrological Sciences Journal, 2013, 58, 77-87.	1.2	33
1151	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
1152	Assessment of Climate Change Impact on the Gharesou River Basin Using SWAT Hydrological Model. Clean - Soil, Air, Water, 2013, 41, 601-609.	0.7	55
1153	Investigating the effects of point source and nonpoint source pollution on the water quality of the East River (Dongjiang) in South China. Ecological Indicators, 2013, 32, 294-304.	2.6	159
1154	A decade of Predictions in Ungauged Basins (PUB)—a review. Hydrological Sciences Journal, 2013, 58, 1198-1255.	1.2	821
1155	Analyzing the Water Budget and Hydrological Characteristics and Responses to Land Use in a Monsoonal Climate River Basin in South China. Environmental Management, 2013, 51, 1174-1186.	1.2	25
1156	Soil Threats. World Soils Book Series, 2013, , 205-245.	0.1	7
1157	Effect of modelling scale on the assessment of climate change impact on river runoff. Hydrological Sciences Journal, 2013, 58, 737-754.	1.2	14
1158	Evolution of ecosystem services in the Chinese Loess Plateau under climatic and land use changes. Global and Planetary Change, 2013, 101, 119-128.	1.6	215
1159	Modeling runoff from an agricultural watershed of western catchment of Chilika lake through ArcSWAT. Journal of Hydro-Environment Research, 2013, 7, 261-269.	1.0	24
1160	Climate Change and Evapotranspiration. , 2013, , 197-202.		19
1161	Managing uncertainty in integrated environmental modelling: The UncertWeb framework. Environmental Modelling and Software, 2013, 39, 116-134.	1.9	111
1162	Assessing impacts of bioenergy crops and climate change on hydrometeorology in the Yazoo River Basin, Mississippi. Agricultural and Forest Meteorology, 2013, 169, 61-73.	1.9	34
1163	Impact of rainwater harvesting on water resources of the modder river basin, central region of South Africa. Agricultural Water Management, 2013, 116, 218-227.	2.4	26
1164	Estimating irrigation water demand using an improved method and optimizing reservoir operation for water supply and hydropower generation: A case study of the Xinfengjiang reservoir in southern China. Agricultural Water Management, 2013, 116, 110-121.	2.4	90
1165	Assessment of effects of best management practices on agricultural non-point source pollution in Xiangxi River watershed. Agricultural Water Management, 2013, 117, 9-18.	2.4	138
1166	Hydrologic and geochemical modeling of a karstic Mediterranean watershed. Journal of Hydrology, 2013, 477, 129-138.	2.3	63

#	Article	IF	CITATIONS
1167	Coupled Simulation of Xinanjiang Model with MODFLOW. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1443-1449.	0.8	4
1168	Environmental and Economic Trade-Offs in a Watershed When Using Corn Stover for Bioenergy. Environmental Science & Environmental Environ	4.6	53
1169	Simulation-optimization model for non-point source pollution management in watersheds: Application of cooperative game theory. KSCE Journal of Civil Engineering, 2013, 17, 1232-1240.	0.9	35
1170	Application of a hydrological-hydraulic modelling cascade in lowlands for investigating water and sediment fluxes in catchment, channel and reach. Journal of Hydrology and Hydromechanics, 2013, 61, 334-346.	0.7	28
1171	Evaluating the capabilities of watershed-scale models in estimating sediment yield at field-scale. Journal of Environmental Management, 2013, 127, 228-236.	3.8	24
1172	Assessing the impact of future climate change on groundwater recharge in Galicia-Costa, Spain. Hydrogeology Journal, 2013, 21, 459-479.	0.9	44
1173	A Review on SWAT Model for Stream Flow Simulation. Advanced Materials Research, 0, 726-731, 3792-3798.	0.3	3
1174	Identification of homogenous regions in rain-fed watershed using Kohonen neural networks. ISH Journal of Hydraulic Engineering, 2013, 19, 55-66.	1.1	3
1175	An expert integrative approach for sediment load simulation in a tropical watershed. Journal of Integrative Environmental Sciences, 2013, 10, 161-178.	1.0	9
1176	Erosivity, surface runoff, and soil erosion estimation using GIS-coupled runoff–erosion model in the Mamuaba catchment, Brazil. Environmental Monitoring and Assessment, 2013, 185, 8977-8990.	1.3	27
1177	Modelling potential hydrological impact of abandoned underground mines in the Monday Creek Watershed, Ohio. Hydrological Processes, 2013, 27, 3607-3616.	1.1	8
1178	Land use change in a 200â€year period and its effect on blue and green water flow in two Slovenian Mediterranean catchments—lessons for the future. Hydrological Processes, 2013, 27, 3964-3980.	1.1	46
1179	Effects of climate change on stream temperature, dissolved oxygen, and sediment concentration in the Sierra Nevada in California. Water Resources Research, 2013, 49, 2765-2782.	1.7	129
1180	The effect of reforestation on stream flow in Upper Nan river basin using Soil and Water Assessment Tool (SWAT) model. International Soil and Water Conservation Research, 2013, 1, 53-63.	3.0	30
1181	Preliminary study of hydrological assessment for the effects of the cloud seeding experiment. , 2013, , .		0
1182	The Impact of US Biofuels Policy on Agricultural Production and Nitrogen Loads in Alabama. Economics Research International, 2013, 2013, 1-16.	0.5	4
1183	SWAT-Based Streamflow Estimation and Its Responses to Climate Change in the Kadongjia River Watershed, Southern Tibet. Journal of Hydrometeorology, 2013, 14, 1571-1586.	0.7	14
1184	Paying for sediment: Field-scale conservation practice targeting, funding, and assessment using the Soil and Water Assessment Tool. Journal of Soils and Water Conservation, 2013, 68, 41-51.	0.8	17

#	Article	IF	CITATIONS
1185	Methodological Approaches to Projecting the Hydrologic Impacts of Climate Change*. Earth Interactions, 2013, 17, 1-19.	0.7	19
1186	Implications of climate change for water resources development in the Ganges basin. Water Policy, 2013, 15, 26-50.	0.7	33
1187	Eco-Hydrological Process Simulation Study in Jinjiang Basin, China. Advanced Materials Research, 2013, 807-809, 190-195.	0.3	0
1189	Assessing ways to combat eutrophication in a Chinese drinking water reservoir using SWAT. Marine and Freshwater Research, 2013, 64, 475.	0.7	33
1190	Simulating sediment loading into the major reservoirs in Trinity River Basin. Journal of Soils and Water Conservation, 2013, 68, 372-383.	0.8	5
1191	Towards new-generation soil erosion modeling: Building a unified omnivorous model. Journal of Soils and Water Conservation, 2013, 68, 100A-103A.	0.8	8
1192	The nitrogen cascade from agricultural soils to the sea: modelling nitrogen transfers at regional watershed and global scales. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130123.	1.8	184
1194	The development of U. S. soil erosion prediction and modeling. International Soil and Water Conservation Research, 2013, 1, 1-11.	3.0	47
1195	Investigation into the Impacts of Land-Use Change on Runoff Generation Characteristics in the Upper Huaihe River Basin, China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1464-1470.	0.8	18
1196	Assessment of seasonal and spatial variation of surface water quality, identification of factors associated with water quality variability, and the modeling of critical nonpoint source pollution areas in an agricultural watershed. Journal of Soils and Water Conservation, 2013, 68, 155-171.	0.8	58
1197	A mixed discrete-continuous variable multiobjective genetic algorithm for targeted implementation of nonpoint source pollution control practices. Water Resources Research, 2013, 49, 8344-8356.	1.7	32
1198	Modeling Sedimentation-Filtration Basins for Urban Watersheds Using Soil and Water Assessment Tool. Journal of Environmental Engineering, ASCE, 2013, 139, 838-848.	0.7	21
1199	Predicting Between-Event Variability of <i>Escherichia coli</i> in Urban Storm Water. Journal of Environmental Engineering, ASCE, 2013, 139, 728-737.	0.7	11
1200	Responses of natural runoff to recent climatic variations in the Yellow River basin, China. Hydrology and Earth System Sciences, 2013, 17, 4471-4480.	1.9	75
1201	Quantifying Irrigation Impact on Water Cycle Based on Improved SWAT Model in Paddy District. Advanced Materials Research, 2013, 726-731, 3457-3462.	0.3	1
1202	A Simulation of Non-Point Source Pollution Loads Using a RS&GIS Model. Applied Mechanics and Materials, 2013, 409-410, 173-176.	0.2	0
1203	Climate Change and Its Impacts on Streamflow: WRF and SCE-Optimized SWAT Models., 2013,, 411-428.		1
1204	Applicability of the LASH Model for Hydrological Simulation of the Grande River Basin, Brazil. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1639-1652.	0.8	29

#	Article	IF	CITATIONS
1205	Modified Palmer Drought Severity Index Based on Distributed Hydrological Simulation. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	16
1206	SARA $\hat{a}\in$ An enhanced curve number-based tool for estimating direct runoff. Journal of Hydroinformatics, 2013, 15, 881-887.	1.1	9
1207	A preprocessing program for a distributed hydrological model: development and application. Journal of Hydroinformatics, 2013, 15, 1258-1275.	1.1	3
1208	Using multi-model averaging to improve the reliability of catchment scale nitrogen predictions. Geoscientific Model Development, 2013, 6, 117-125.	1.3	18
1209	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
1210	Parameter Uncertainty Reduction for SWAT Using Grace, Streamflow, and Groundwater Table Data for Lower Missouri River Basin ¹ . Journal of the American Water Resources Association, 2013, 49, 343-358.	1.0	24
1211	Estimating Watershed-Scale Precipitation by Combining Gauge- and Radar-Derived Observations. Journal of Hydrologic Engineering - ASCE, 2013, 18, 983-994.	0.8	11
1212	Critical evaluation of models used to study agricultural phosphorus and water quality. Soil Use and Management, 2013, 29, 36-44.	2.6	26
1213	The Impact of Asynchronicity on Eventâ€Flow Estimation in Basinâ€Scale Hydrologic Model Calibration ¹ . Journal of the American Water Resources Association, 2013, 49, 300-318.	1.0	2
1214	Record-setting algal bloom in Lake Erie caused by agricultural and meteorological trends consistent with expected future conditions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6448-6452.	3.3	1,164
1215	Multiâ€objective optimization for diffuse pollution control at zero cost. Soil Use and Management, 2013, 29, 83-93.	2.6	25
1216	A System Dynamics Model for Conjunctive Management of Water Resources in the <scp>S</scp> nake <scp>R</scp> iver <scp>B</scp> asin. Journal of the American Water Resources Association, 2013, 49, 1327-1350.	1.0	34
1217	Development of a Coupled Land Surface Hydrologic Model and Evaluation at a Critical Zone Observatory. Journal of Hydrometeorology, 2013, 14, 1401-1420.	0.7	85
1218	Cropland management versus dredging: An economic analysis of reservoir sediment management. Lake and Reservoir Management, 2013, 29, 151-164.	0.4	15
1219	Modelling the impacts of subsurface drainage on surface runoff and sediment yield in the Le Sueur Watershed, Minnesota, USA. Hydrological Sciences Journal, 2013, 58, 570-586.	1.2	28
1220	Projecting the land cover change and its environmental impacts in the Cedar River Basin in the Midwestern United States. Environmental Research Letters, 2013, 8, 024025.	2.2	44
1221	Applying the Manning equation to determine the critical distance in non-point source pollution using remotely sensed data and cartographic modelling. , 2013, , .		0
1222	Evaluating the bio-hydrological impact of a cloud forest in Central America using a semi-distributed water balance model. Journal of Hydrology and Hydromechanics, 2013, 61, 9-20b.	0.7	29

#	Article	IF	CITATIONS
1223	Implications of distributed hydrologic model parameterization on water fluxes at multiple scales and locations. Water Resources Research, 2013, 49, 360-379.	1.7	226
1225	Assessing the Nitrogen and Phosphorus Loading in the Alabama (USA) River Basin Using PLOAD Model. Air, Soil and Water Research, 2013, 6, ASWR.S10548.	1.2	13
1226	Comparison of the Effects of the Different Methods for Computing the Slope Length Factor at a Watershed Scale. International Soil and Water Conservation Research, 2013, 1, 64-71.	3.0	9
1227	Managing Climate Risk in Water Supply Systems. Water Intelligence Online, 0, 12, .	0.3	5
1228	Long-term effects of land use/land cover change on surface runoff in urban areas of Beijing, China. Journal of Applied Remote Sensing, 2013, 8, 084596.	0.6	33
1229	Managing the nutrient loads of the Venice Lagoon Watershed: are the loads external to the watershed relevant under the WFD River Basin District framework?. Journal of Coastal Research, 2013, 65, 25-30.	0.1	6
1230	Simulation of daily discharge using the distributed model SWAT as a catchment management tool: Limnatis River case study. , 2013, , .		3
1231	Comparison of approaches for snowpack estimation in New York City watersheds. Hydrological Processes, 2013, 27, 3050-3060.	1.1	8
1232	The Nile River Basin., 0,,.		25
1233	Prediction of Mecoprop Transportion from Leachate and its Effect on Water Quality Across North West England. , 2013, , .		0
1234	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
1235	Prediction of dissolved reactive phosphorus losses from small agricultural catchments: calibration and validation of a parsimonious model. Hydrology and Earth System Sciences, 2013, 17, 3679-3693.	1.9	15
1236	Watershed-Scale Hydrological Modeling Methods and Applications. , 2013, , .		3
1237	Evaluation of the Hooghoudt and Kirkham Tile Drain Equations in the Soil and Water Assessment Tool to Simulate Tile Flow and Nitrate-Nitrogen. Journal of Environmental Quality, 2013, 42, 1699-1710.	1.0	31
1238	Re-defining and quantifying inorganic phosphate pools in the soil and water assessment tool. Journal of Soil Science and Environmental Management, 2013, 4, 155-162.	0.4	1
1239	Assessing the hydrological effect of the check dams in the Loess Plateau, China, by model simulations. Hydrology and Earth System Sciences, 2013, 17, 2185-2193.	1.9	110
1240	Application of Remote Sensing and Geographical Information Systems in Flood Management: A Review. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 1884-1894.	0.1	58
1241	Agricultural Policy Environmental eXtender Simulation of Three Adjacent Rowâ€Crop Watersheds in the Claypan Region. Journal of Environmental Quality, 2013, 42, 726-736.	1.0	28

#	Article	IF	CITATIONS
1242	Erosion Processes and Prediction with WEPP Technology in Forests in the Northwestern U.S Transactions of the ASABE, 2013, 56, 563-579.	1.1	26
1243	Sediment Transport Modeling Using GIS in Bagmati Basin, Nepal. , 0, , .		3
1245	A Topography Analysis Incorporated Optimization Method for the Selection and Placement of Best Management Practices. PLoS ONE, 2013, 8, e54520.	1.1	18
1246	Vertical Variation of Nonpoint Source Pollutants in the Three Gorges Reservoir Region. PLoS ONE, 2013, 8, e71194.	1.1	19
1247	Assessing the Influence of Land Use and Land Cover Datasets with Different Points in Time and Levels of Detail on Watershed Modeling in the North River Watershed, China. International Journal of Environmental Research and Public Health, 2013, 10, 144-157.	1,2	18
1248	Comparative Assessment of Stormwater and Nonpoint Source Pollution Best Management Practices in Suburban Watershed Management. Water (Switzerland), 2013, 5, 280-291.	1.2	14
1249	Framing Scenarios of Binational Water Policy with a Tool to Visualize, Quantify and Valuate Changes in Ecosystem Services. Water (Switzerland), 2013, 5, 852-874.	1,2	20
1250	Development of Web GIS-Based VFSMOD System with Three Modules for Effective Vegetative Filter Strip Design. Water (Switzerland), 2013, 5, 1194-1210.	1.2	13
1251	Development of a Web-Based L-THIA 2012 Direct Runoff and Pollutant Auto-Calibration Module Using a Genetic Algorithm. Water (Switzerland), 2013, 5, 1952-1966.	1.2	6
1252	An assessment of land use change impacts on the water resources of the Mula and Mutha Rivers catchment upstream of Pune, India. Hydrology and Earth System Sciences, 2013, 17, 2233-2246.	1.9	142
1253	Impact of climate change on sediment yield in the Mekong River basin: a case study of the Nam Ou basin, Lao PDR. Hydrology and Earth System Sciences, 2013, 17, 1-20.	1.9	156
1254	An Evaluation of Data Collected by Middle School and College-Level Students in Stream Channel Geomorphic Assessment. Geography Journal, 2013, 2013, 1-9.	0.8	0
1255	Hydrology Evaluation of the Soil and Water Assessment Tool Considering Measurement Uncertainty for a Small Watershed in Southern Brazil. Applied Engineering in Agriculture, 2013, 29, 189-200.	0.3	20
1256	Simulation of hydrological processes in the Zhalong wetland within a river basin, Northeast China. Hydrology and Earth System Sciences, 2013, 17, 2797-2807.	1.9	31
1257	Sensitivity of net ecosystem exchange and heterotrophic respiration to parameterization uncertainty. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1640-1651.	1.2	25
1258	Water Allocation With Use of the Building Block Methodology (BBM) in the Godavari Basin, India. Journal of Sustainable Development, 2013, 6, .	0.1	5
1259	An Assessment on Base and Peak Flows Using a Physically-Based Model. Research Journal of Environmental and Earth Sciences, 2013, 5, 49-57.	0.1	4
1260	Advances in Soil Erosion Research: Processes, Measurement, and Modeling. Transactions of the ASABE, 2013, 56, 455-463.	1.1	7

#	Article	IF	CITATIONS
1261	Correlating Human Preferences and Optimized Watershed Management Plans., 2014,,.		0
1262	Effectiveness of alternative management scenarios on the sediment load in a Mediterranean agricultural watershed. Journal of Agricultural Engineering, 2014, 45, 125.	0.7	28
1263	Application of Soil and Water Assessment Tool Model to Estimate Sediment Yield in Kaw Lake. American Journal of Environmental Sciences, 2014, 10, 530-545.	0.3	6
1264	The Use of Soil Taxonomy as a Soil Type Identifier for the Shasta Lake Watershed Using SWAT. Transactions of the ASABE, 2014, , 717-728.	1.1	2
1265	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
1266	Forest use strategies in watershed management and restoration: application to three small mountain watersheds in Latin America. Journal of Agricultural Engineering, 2014, 45, 3.	0.7	4
1267	Assessment of the Environmental Fate of the Herbicides Flufenacet and Metazachlor with the SWAT Model. Journal of Environmental Quality, 2014, 43, 75-85.	1.0	54
1268	Comparison and Evaluation of Model Structures for the Simulation of Pollution Fluxes in a Tile-Drained River Basin. Journal of Environmental Quality, 2014, 43, 86-99.	1.0	13
1269	Hydrological Modeling of the Jiaoyi Watershed (China) Using HSPF Model. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	11
1270	Modelling Climate Change Impacts on the Seasonality of Water Resources in the Upper Ca River Watershed in Southeast Asia. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	19
1271	Soil Erosion Prediction Using Morgan-Morgan-Finney Model in a GIS Environment in Northern Ethiopia Catchment. Applied and Environmental Soil Science, 2014, 2014, 1-15.	0.8	18
1272	Assessment of the Impacts of Land Use Changes on Nonpoint Source Pollution Inputs Upstream of the Three Gorges Reservoir. Scientific World Journal, The, 2014, 2014, 1-15.	0.8	12
1273	Large-Scale Hydrological Simulations Using the Soil Water Assessment Tool, Protocol Development, and Application in the Danube Basin. Journal of Environmental Quality, 2014, 43, 145-154.	1.0	48
1274	Comparing the Selection and Placement of Best Management Practices in Improving Water Quality Using a Multiobjective Optimization and Targeting Method. International Journal of Environmental Research and Public Health, 2014, 11, 2992-3014.	1.2	33
1275	The Economics of Mitigation of Water Pollution Externalities from Biomass Production for Energy. Resources, 2014, 3, 721-733.	1.6	10
1276	A Web-Based Model to Estimate the Impact of Best Management Practices. Water (Switzerland), 2014, 6, 455-471.	1.2	24
1277	Water Resources Response to Changes in Temperature, Rainfall and CO2 Concentration: A First Approach in NW Spain. Water (Switzerland), 2014, 6, 3049-3067.	1.2	25
1278	Scenario-Based Impacts of Land Use and Climate Change on Land and Water Degradation from the Meso to Regional Scale. Water (Switzerland), 2014, 6, 3152-3181.	1.2	43

#	Article	IF	CITATIONS
1279	Hydrologic Simulations Driven by Satellite Rainfall to Study the Hydroelectric Development Impacts on River Flow. Water (Switzerland), 2014, 6, 3631-3651.	1.2	11
1280	Evaluating Three Hydrological Distributed Watershed Models: MIKE-SHE, APEX, SWAT. Hydrology, 2014, 1, 20-39.	1.3	160
1281	Multiobjective Calibration for Comparing Channel Sediment Routing Models in the Soil and Water Assessment Tool. Journal of Environmental Quality, 2014, 43, 110-120.	1.0	17
1282	Impact of modellers' decisions on hydrological a priori predictions. Hydrology and Earth System Sciences, 2014, 18, 2065-2085.	1.9	25
1283	Climate change and wetland loss impacts on a western river's water quality. Hydrology and Earth System Sciences, 2014, 18, 4509-4527.	1.9	25
1284	Climate change and stream temperature projections in the Columbia River basin: habitat implications of spatial variation in hydrologic drivers. Hydrology and Earth System Sciences, 2014, 18, 4897-4912.	1.9	55
1285	An Integrated Modeling Approach for Estimating the Water Quality Benefits of Conservation Practices at the River Basin Scale. Journal of Environmental Quality, 2014, 43, 177-198.	1.0	52
1286	Daily Nitrate Losses: Implication on Long-Term River Quality in an Intensive Agricultural Catchment of Southwestern France. Journal of Environmental Quality, 2014, 43, 46-54.	1.0	31
1287	Analyzing streamflow changes: irrigation-enhanced interaction between aquifer and streamflow in the Republican River basin. Hydrology and Earth System Sciences, 2014, 18, 493-502.	1.9	45
1288	Using the Soil and Water Assessment Tool to Estimate Dissolved Inorganic Nitrogen Water Pollution Abatement Cost Functions in Central Portugal. Journal of Environmental Quality, 2014, 43, 168-176.	1.0	16
1289	Upper Washita River Experimental Watersheds: Physiography Data. Journal of Environmental Quality, 2014, 43, 1298-1309.	1.0	13
1290	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
1291	Assessment of discharge and sediment transport from different forest cover types in lower Himalaya using Soil and Water Assessment Tool (SWAT). International Journal of Water Resources and Environmental Engineering, 2014, 6, 49-66.	0.2	16
1292	Using the SWAT model to improve process descriptions and define hydrologic partitioning in South Korea. Hydrology and Earth System Sciences, 2014, 18, 539-557.	1.9	33
1293	Use of the Soil and Water Assessment Tool to Scale Sediment Delivery from Field to Watershed in an Agricultural Landscape with Topographic Depressions. Journal of Environmental Quality, 2014, 43, 9-17.	1.0	34
1294	Valuing Water Quality Tradeoffs at the Farm Level: An Integrated Approach. SSRN Electronic Journal, 0, , .	0.4	1
1295	Validation of a Quantitative Phosphorus Loss Assessment Tool. Journal of Environmental Quality, 2014, 43, 224-234.	1.0	7
1296	Uncertainty analysis in model parameters regionalization: a case study involving the SWAT model in Mediterranean catchments (Southern France). Hydrology and Earth System Sciences, 2014, 18, 2393-2413.	1.9	52

#	Article	IF	CITATIONS
1297	Upstream to downstream: a multiple-assessment-point approach for targeting non-point-source priority management areas at large watershed scale. Hydrology and Earth System Sciences, 2014, 18, 1265-1272.	1.9	11
1298	Agro-hydrology and multi-temporal high-resolution remote sensing: toward an explicit spatial processes calibration. Hydrology and Earth System Sciences, 2014, 18, 5219-5237.	1.9	13
1299	Sediment Delivery Estimates in Water Quality Models Altered by Resolution and Source of Topographic Data. Journal of Environmental Quality, 2014, 43, 26-36.	1.0	24
1300	Long-Term Environmental Research: The Upper Washita River Experimental Watersheds, Oklahoma, USA. Journal of Environmental Quality, 2014, 43, 1227-1238.	1.0	25
1301	Applying SWAT to predict ortho-phosphate loads and trophic status in four reservoirs in the upper Olifants catchment, South Africa. Hydrology and Earth System Sciences, 2014, 18, 2629-2643.	1.9	10
1302	Upper Washita River Experimental Watersheds: Land Cover Data Sets (1974-2007) for Two Southwestern Oklahoma Agricultural Watersheds. Journal of Environmental Quality, 2014, 43, 1310-1318.	1.0	25
1303	Development of Web-Based RECESS Model for Estimating Baseflow Using SWAT. Sustainability, 2014, 6, 2357-2378.	1.6	13
1304	Analyzing runoff processes through conceptual hydrological modeling in the Upper Blue Nile Basin, Ethiopia. Hydrology and Earth System Sciences, 2014, 18, 5149-5167.	1.9	34
1305	Improving streamflow predictions at ungauged locations with real-time updating: application of an EnKF-based state-parameter estimation strategy. Hydrology and Earth System Sciences, 2014, 18, 3923-3936.	1.9	28
1306	Climate Change Impact on Runoff and Sediment Loads to the Apalachicola River at Seasonal and Event Scales. Journal of Coastal Research, 2014, 68, 35-42.	0.1	14
1307	Targeting priority management areas for multiple pollutants from non-point sources. Journal of Hazardous Materials, 2014, 280, 244-251.	6.5	20
1308	Predicting Impacts of Changing Land Use/Cover on Streamflow in Ungauged Watersheds. , 2014, , .		5
1309	Quantifying nitrogen loading from a paddy field in Shanghai, China with modified DNDC model. Agriculture, Ecosystems and Environment, 2014, 197, 212-221.	2.5	39
1311	Spatiotemporal Change of Blue Water and Green Water Resources in the Headwater of Yellow River Basin, China. Water Resources Management, 2014, 28, 4715-4732.	1.9	31
1312	Improved semi-distributed model for phosphorus losses from Irish catchments. Environmental Technology (United Kingdom), 2014, 35, 2506-2519.	1.2	1
1313	Hydrological modelling of the Zambezi River Basin taking into account floodplain behaviour by a modified reservoir approach. International Journal of River Basin Management, 2014, 12, 29-41.	1.5	15
1314	Estimating the effects of climate change on the intensification of monsoonal-driven stream discharge in a Himalayan watershed. Hydrological Processes, 2014, 28, 6236-6250.	1.1	25
1315	The importance of small urbanized watersheds to pollutant loading in a large oligotrophic subalpine lake of the western USA. Environmental Monitoring and Assessment, 2014, 186, 7893-7907.	1.3	4

#	Article	IF	CITATIONS
1316	Changes in hydrology and streamflow as predicted by a modelling experiment forced with climate models. Hydrological Processes, 2014, 28, 2772-2781.	1.1	41
1317	Assessing long-term water quality impacts of reducing phosphorus fertilizer in a US suburban watershed. Water Policy, 2014, 16, 917-929.	0.7	4
1318	Global sensitivity analysis of hydrologic processes in major snowâ€dominated mountainous river basins in Colorado. Hydrological Processes, 2014, 28, 3404-3418.	1.1	12
1319	Impact of the Agricultural Research Service Watershed Assessment Studies on the Conservation Effects Assessment Project Cropland National Assessment. Journal of Soils and Water Conservation, 2014, 69, 137A-144A.	0.8	18
1320	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.	0.8	37
1321	Estimation of sediment yield using SWAT model for Upper Tapi basin. ISH Journal of Hydraulic Engineering, 2014, 20, 291-300.	1.1	30
1322	Evaluating the SWAT's snow hydrology over a Northern Quebec watershed. Hydrological Processes, 2014, 28, 1858-1873.	1.1	36
1323	Sediment and Nutrient Load Environmental Factors of Lam Takong River Basin, Thailand. Advanced Materials Research, 2014, 1030-1032, 594-597.	0.3	2
1324	LUMINATE: linking agricultural land use, local water quality and Gulf of Mexico hypoxia. European Review of Agricultural Economics, 2014, 41, 431-459.	1.5	41
1325	Study of Climate Change Impact on Flood Frequencies: A Combined Weather Generator and Hydrological Modeling Approach*. Journal of Hydrometeorology, 2014, 15, 1205-1219.	0.7	32
1326	Simulation of stream nitrate-nitrogen export using the Soil and Water Assessment Tool model in a dairy farming watershed with an external water source. Journal of Soils and Water Conservation, 2014, 69, 75-85.	0.8	6
1328	The Wageningen Lowland Runoff Simulator (WALRUS): a lumped rainfall–runoff model for catchments with shallow groundwater. Geoscientific Model Development, 2014, 7, 2313-2332.	1.3	60
1329	Hydrology modelling in Taleghan mountainous watershed using SWAT. Journal of Water and Land Development, 2014, 20, 11-18.	0.9	23
1330	User modeling with limited data: Application to stakeholder-driven watershed design. , 2014, , .		0
1331	Erosion Assessment Modeling Using the Sateec Gis Model on the Prislop Catchment. Present Environment and Sustainable Development, 2014, 8, 217-224.	0.1	0
1332	Hydraulic–hydrologic model for water resources management of the Zambezi basin. Journal of Applied Water Engineering and Research, 2014, 2, 105-117.	1.0	5
1333	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
1334	A Soil Erosion Assessment of the Upper Mekong River in Yunnan Province, China. Mountain Research and Development, 2014, 34, 36-47.	0.4	24

#	Article	IF	CITATIONS
1335	SWAT hydrologic model parameter uncertainty and its implications for hydroclimatic projections in snowmelt-dependent watersheds. Journal of Hydrology, 2014, 519, 2081-2090.	2.3	56
1336	Hydrological study of the water quality of the Beja River according to the SWAT model. Desalination and Water Treatment, 2014, 52, 2047-2056.	1.0	2
1337	Climate change poised to threaten hydrologic connectivity and endemic fishes in dryland streams. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13894-13899.	3.3	283
1338	Assessing uncertainty in best management practice effectiveness under future climate scenarios. Hydrological Processes, 2014, 28, 2550-2566.	1.1	28
1339	AUTOMATIC CALIBRATION OF A HYDROLOGIC MODEL FOR SIMULATING GROUNDWATER TABLE FLUCTUATIONS ON FARMS IN THE EVERGLADES AGRICULTURAL AREA OF SOUTH FLORIDA. Irrigation and Drainage, 2014, 63, 538-549.	0.8	1
1341	Comparing the Export Coefficient Approach with the Soil and Water Assessment Tool to Predict Phosphorous Pollution: The Kan Watershed Case Study. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	26
1342	Water Footprint of Cereals and Vegetables for the Beijing Market. Journal of Industrial Ecology, 2014, 18, 40-48.	2.8	29
1343	The Influence of Forest Regrowth on the Stream Discharge in the North Carolina Piedmont Watersheds. Journal of the American Water Resources Association, 2014, 50, 57-73.	1.0	18
1344	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
1345	Quantifying the uncertainty of nonpoint source attribution in distributed water quality models: A Bayesian assessment of SWAT 's sediment export predictions. Journal of Hydrology, 2014, 519, 3353-3368.	2.3	43
1346	The responses of hydrological processes and sediment yield to land-use and climate change in the Be River Catchment, Vietnam. Hydrological Processes, 2014, 28, 640-652.	1.1	83
1347	Examination of the water balance of irrigated paddy fields in SWAT 2009 using the curve number procedure and the pothole module. Soil Science and Plant Nutrition, 2014, 60, 551-564.	0.8	16
1348	Streamflow and Nutrients from a Karst Watershed with a Downstream Embayment: Chapel Branch Creek. Journal of Hydrologic Engineering - ASCE, 2014, 19, 428-438.	0.8	8
1349	Simulation of Nitrate Concentration Affected from Land Use Changes in the Lower Part of Yom River Basin,Thailand: A Preliminary Study. Advanced Materials Research, 2014, 931-932, 738-743.	0.3	1
1350	Semidistributed Hydrological Model with Scarce Information: Application to a Large South American Binational Basin. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1006-1014.	0.8	10
1351	Nutrient delivery from the Mississippi River to the Gulf of Mexico and effects of cropland conservation. Journal of Soils and Water Conservation, 2014, 69, 26-40.	0.8	102
1352	Effect of land use change on water discharge in Srepok watershed, Central Highland, Viet Nam. International Soil and Water Conservation Research, 2014, 2, 74-86.	3.0	30
1353	Long-Term Hydrological Impacts of Land Use/Land Cover Change From 1984 to 2010 in the Little River Watershed, Tennessee. International Soil and Water Conservation Research, 2014, 2, 11-21.	3.0	67

#	Article	IF	CITATIONS
1354	Spatial Decision Assistance of Watershed Sedimentation (SDAS): Development and Application. Journal of Engineering and Technological Sciences, 2014, 46, 37-57.	0.3	2
1355	Simulation of Non-Point Source Pollution Based on SWAT Model - A Case Study of Ashi River Basin. Advanced Materials Research, 0, 1073-1076, 1751-1755.	0.3	0
1356	Addressing the Uncertainty in Modeling Watershed Nonpoint Source Pollution. Developments in Environmental Modelling, 2014, , 113-159.	0.3	3
1357	Evaluating the importance of surface soil contributions to reservoir sediment in alpine environments: a combined modelling and fingerprinting approach in the Posets-Maladeta Natural Park. Solid Earth, 2014, 5, 963-978.	1.2	21
1359	Surface water quality and cropping systems sustainability under a changing climate in the Upper Mississippi River Basin. Journal of Soils and Water Conservation, 2014, 69, 483-494.	0.8	37
1360	Worldwide performance and trends in nonpoint source pollution modeling research from 1994 to 2013: A review based on bibliometrics. Journal of Soils and Water Conservation, 2014, 69, 121A-126A.	0.8	13
1361	Application of Multimodal Optimization for Uncertainty Estimation of Computationally Expensive Hydrologic Models. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 313-321.	1.3	8
1362	Application of <scp>SWAT</scp> with and without Variable Source Area Hydrology to a Large Watershed. Journal of the American Water Resources Association, 2014, 50, 42-56.	1.0	15
1363	A multiâ€storage groundwater concept for the SWAT model to emphasize nonlinear groundwater dynamics in lowland catchments. Hydrological Processes, 2014, 28, 5599-5612.	1.1	75
1364	Relative effects of human activities and climate change on the river runoff in an arid basin in northwest China. Hydrological Processes, 2014, 28, 4854-4864.	1.1	63
1365	Agricultural management impacts on groundwater: simulations of existing and alternative management options in Peninsular India. Hydrological Processes, 2014, 28, 5021-5033.	1.1	4
1366	Modelling mitigation options to reduce diffuse nitrogen water pollution from agriculture. Science of the Total Environment, 2014, 468-469, 1267-1277.	3.9	135
1367	How much complexity is needed to simulate watershed streamflow and water quality? A test combining time series and hydrological models. Hydrological Processes, 2014, 28, 5624-5636.	1.1	8
1368	Impact of subsurface drainage on streamflows in the Red River of the North basin. Journal of Hydrology, 2014, 511, 474-483.	2.3	38
1369	Estimating the potential for expanding smallholder irrigation in Sub-Saharan Africa. Agricultural Water Management, 2014, 131, 183-193.	2.4	116
1370	How land use change contributes to reducing soil erosion in the Jialing River Basin, China. Agricultural Water Management, 2014, 133, 65-73.	2.4	47
1371	An Interval-Deviation Approach for hydrology and water quality model evaluation within an uncertainty framework. Journal of Hydrology, 2014, 509, 207-214.	2.3	27
1372	Application of analytical hierarchy process for effective selection of agricultural best management practices. Journal of Environmental Management, 2014, 132, 165-177.	3.8	34

#	Article	IF	CITATIONS
1373	Smart low flow signature metrics for an improved overall performance evaluation of hydrological models. Journal of Hydrology, 2014, 510, 447-458.	2.3	134
1374	Analyses of the impact of climate change on water resources components, drought and wheat yield in semiarid regions: Karkheh River Basin in Iran. Hydrological Processes, 2014, 28, 2018-2032.	1.1	135
1375	Combining the SWAT model with sequential uncertainty fitting algorithm for streamflow prediction and uncertainty analysis for the Lake Dianchi Basin, China. Hydrological Processes, 2014, 28, 521-533.	1.1	46
1376	Spatial Quantification of Groundwater Abstraction in the Irrigated Indus Basin. Ground Water, 2014, 52, 25-36.	0.7	129
1377	Modelling the impact of extensive irrigation on the groundwater resources. Hydrological Processes, 2014, 28, 628-639.	1.1	16
1378	Effects of spatial data resolution on runoff predictions by the BASINS model. International Journal of Environmental Science and Technology, 2014, 11, 1563-1570.	1.8	7
1379	GIS-based lake sediment budget estimation taking into consideration land use change in an urbanizing catchment area. Environmental Earth Sciences, 2014, 71, 2155-2165.	1.3	19
1380	Simulation of hydrological processes of mountainous watersheds in inland river basins: taking the Heihe Mainstream River as an example. Journal of Arid Land, 2014, 6, 16-26.	0.9	28
1381	Separating the effects of climate change and human activities on runoff over different time scales in the Zhang River basin. Stochastic Environmental Research and Risk Assessment, 2014, 28, 401-413.	1.9	52
1382	The use of Kohonen neural networks for runoff–erosion modeling. Journal of Soils and Sediments, 2014, 14, 1242-1250.	1.5	14
1383	Micro-scale modeling of pesticide degradation coupled to carbon turnover in the detritusphere: model description and sensitivity analysis. Biogeochemistry, 2014, 117, 185-204.	1.7	20
1384	Combining CLUE-S and SWAT models to forecast land use change and non-point source pollution impact at a watershed scale in Liaoning Province, China. Chinese Geographical Science, 2014, 24, 540-550.	1.2	32
1385	A robust simulation–optimization modeling system for effluent trading—a case study of nonpoint source pollution control. Environmental Science and Pollution Research, 2014, 21, 5036-5053.	2.7	23
1386	Separation of the impact of climate change and human activity on streamflow in the upper and middle reaches of the Taoer River, northeastern China. Theoretical and Applied Climatology, 2014, 118, 271-283.	1.3	14
1387	Assessment of future climate and vegetation canopy change impacts on hydrological behavior of Chungju dam watershed using SWAT model. KSCE Journal of Civil Engineering, 2014, 18, 1185-1196.	0.9	4
1388	Streamflow modeling in a fluctuant climate using SWAT: Yass River catchment in south eastern Australia. Environmental Earth Sciences, 2014, 71, 5241-5254.	1.3	49
1389	Climate change impact on countrywide water balance in Bolivia. Regional Environmental Change, 2014, 14, 727-742.	1.4	23
1390	Uncertainty of SWAT model at different DEM resolutions in a large mountainous watershed. Water Research, 2014, 53, 132-144.	5.3	106

#	Article	IF	Citations
1391	Evaluating ephemeral gullies with a process-based topographic index model. Catena, 2014, 113, 177-186.	2.2	37
1392	Soil water variability and its influence on transpirable soil water fraction with two grape varieties under different rainfall regimes. Agriculture, Ecosystems and Environment, 2014, 185, 253-262.	2.5	17
1393	Traits of surface water pollution under climate and land use changes: A remote sensing and hydrological modeling approach. Earth-Science Reviews, 2014, 128, 181-195.	4.0	48
1394	Integrating catchment properties in small scale species distribution models of stream macroinvertebrates. Ecological Modelling, 2014, 277, 77-86.	1.2	70
1395	Nutrient mitigation in a temporary river basin. Environmental Monitoring and Assessment, 2014, 186, 2243-2257.	1.3	10
1396	Impact of Climate Change on the Hydrology of Upper Tiber River Basin Using Bias Corrected Regional Climate Model. Water Resources Management, 2014, 28, 1327-1343.	1.9	83
1397	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
1398	Runoff and sediment yield modeling by means of WEPP in the Bautzen dam catchment, Germany. Environmental Earth Sciences, 2014, 72, 2051-2063.	1.3	14
1399	Changing precipitation regimes and the water and carbon economies of trees. Theoretical and Experimental Plant Physiology, 2014, 26, 65-82.	1.1	31
1400	A new framework for multi-site weather generator: a two-stage model combining a parametric method with a distribution-free shuffle procedure. Climate Dynamics, 2014, 43, 657-669.	1.7	31
1401	A framework for propagation of uncertainty contributed by parameterization, input data, model structure, and calibration/validation data in watershed modeling. Environmental Modelling and Software, 2014, 54, 211-221.	1.9	124
1402	Rainfall estimation in SWAT: An alternative method to simulate orographic precipitation. Journal of Hydrology, 2014, 509, 257-265.	2.3	46
1403	Individual and combined effects of land use/cover and climate change on Wolf Bay watershed streamflow in southern Alabama. Hydrological Processes, 2014, 28, 5530-5546.	1.1	120
1404	Impacts of climate variability on water quality with best management practices in subâ€ŧropical climate of USA. Hydrological Processes, 2014, 28, 5776-5790.	1.1	39
1405	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
1406	Use and misuse of the K factor equation in soil erosion modeling: An alternative equation for determining USLE nomograph soil erodibility values. Catena, 2014, 118, 220-225.	2.2	107
1407	Improving the estimation of hydrological states in the SWAT model via the ensemble Kalman smoother: Synthetic experiments for the Heihe River Basin in northwest China. Advances in Water Resources, 2014, 67, 32-45.	1.7	33
1408	How to improve the representation of hydrological processes in SWAT for a lowland catchment – temporal analysis of parameter sensitivity and model performance. Hydrological Processes, 2014, 28, 2651-2670.	1.1	112

#	Article	IF	CITATIONS
1409	Climate–water interactions—Challenges for improved representation in integrated assessment models. Energy Economics, 2014, 46, 510-521.	5.6	15
1410	WaterFootprint on AgroClimate: A dynamic, web-based tool for comparing agricultural systems. Agricultural Systems, 2014, 125, 33-41.	3.2	14
1412	Using the Climate Forecast System Reanalysis as weather input data for watershed models. Hydrological Processes, 2014, 28, 5613-5623.	1.1	302
1413	Application of distributed hydrological models for predictions in ungauged basins: a method to quantify predictive uncertainty. Hydrological Processes, 2014, 28, 2033-2045.	1.1	37
1414	Incorporating the effects of increased atmospheric CO2 in watershed model projections of climate change impacts. Journal of Hydrology, 2014, 513, 322-334.	2.3	45
1415	Development of a generic auto-calibration package for regional ecological modeling and application in the Central Plains of the United States. Ecological Informatics, 2014, 19, 35-46.	2.3	14
1416	Pesticide transfer models in crop and watershed systems: a review. Agronomy for Sustainable Development, 2014, 34, 229-250.	2.2	47
1417	Water quality impacts of converting intensively-managed agricultural lands to switchgrass. Biomass and Bioenergy, 2014, 68, 32-43.	2.9	20
1418	Environmental water quantity projections under market-driven and sustainability-driven future scenarios in the Narew basin, Poland. Hydrological Sciences Journal, 2014, 59, 916-934.	1.2	11
1419	Streamflow timing of mountain rivers in Spain: Recent changes and future projections. Journal of Hydrology, 2014, 517, 1114-1127.	2.3	57
1420	Analysis of best management practice effectiveness and spatiotemporal variability based on different targeting strategies. Hydrological Processes, 2014, 28, 431-445.	1.1	54
1421	Evaluating Spatial and Temporal Variability of Fecal Coliform Bacteria Loads at the Pelahatchie Watershed in Mississippi. Human and Ecological Risk Assessment (HERA), 2014, 20, 1023-1041.	1.7	8
1422	The environmental effects of crop price increases: Nitrogen losses in the U.S. Corn Belt. Journal of Environmental Economics and Management, 2014, 68, 507-526.	2.1	37
1423	Estimation of phosphorus export from a Mediterranean agricultural catchment with scarce data. Hydrological Sciences Journal, 2014, 59, 221-233.	1.2	5
1424	Cost-effectiveness and cost-benefit analysis of BMPs in controlling agricultural nonpoint source pollution in China based on the SWAT model. Environmental Monitoring and Assessment, 2014, 186, 9011-9022.	1.3	43
1425	Simulation and comparison of stream power in-channel and on the floodplain in a German lowland area. Journal of Hydrology and Hydromechanics, 2014, 62, 133-144.	0.7	16
1426	Hydrologic Impact Assessment of Land Cover Change and Stormwater Management Using the Hydrologic Footprint Residence. Journal of the American Water Resources Association, 2014, 50, 1242-1256.	1.0	26
1427	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

#	Article	IF	CITATIONS
1428	Mapping Air Temperature in the Lancang River Basin Using the Reconstructed MODIS LST Data. Journal of Resources and Ecology, 2014, 5, 253-262.	0.2	4
1429	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
1430	Potential Impacts of Climate Change on the Reliability of Water and Hydropower Supply from a Multipurpose Dam in South Korea. Journal of the American Water Resources Association, 2014, 50, 1273-1288.	1.0	35
1431	Water Management Trade-offs between Agriculture and the Environment: A Multiobjective Approach and Application. Journal of Irrigation and Drainage Engineering - ASCE, 2014, 140, 05014005.	0.6	12
1432	<scp>SWAT</scp> model: A Multiâ€Operating System, Multiâ€Platform <scp>SWAT</scp> Model Package in R. Journal of the American Water Resources Association, 2014, 50, 1349-1353.	1.0	17
1433	USDAâ€ARS Riesel Watersheds, Riesel, Texas, USA: Water quality research database. Water Resources Research, 2014, 50, 8374-8382.	1.7	20
1434	Impact of climate change on future stream flow in the Dakbla river basin. Journal of Hydroinformatics, 2014, 16, 231-244.	1.1	25
1435	A suggestion for computing objective function in model calibration. Ecological Informatics, 2014, 24, 107-111.	2.3	6
1436	Quantifying yield gaps in wheat production in Russia. Environmental Research Letters, 2014, 9, 084017.	2.2	55
1437	Global wheat production potentials and management flexibility under the representative concentration pathways. Global and Planetary Change, 2014, 122, 107-121.	1.6	110
1438	On comparison of peak flow reductions, flood inundation maps, and velocity maps in evaluating effects of restored wetlands on channel flooding. Ecological Engineering, 2014, 73, 132-145.	1.6	35
1439	A blue/green waterâ€based accounting framework for assessment of water security. Water Resources Research, 2014, 50, 7187-7205.	1.7	100
1440	Development of a farmer typology of agricultural conservation behavior in the American Corn Belt. Agricultural Systems, 2014, 129, 93-102.	3.2	87
1441	Evaluating the impact of climate change on groundwater resources in a small Mediterranean watershed. Science of the Total Environment, 2014, 499, 437-447.	3.9	65
1442	Parameter Uncertainty Analysis of Surface Flow and Sediment Yield in the Huolin Basin, China. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1224-1236.	0.8	37
1443	Vertical and horizontal distribution of soil parameters in intensive agricultural zone and effect on diffuse nitrogen pollution. Soil and Tillage Research, 2014, 144, 32-40.	2.6	17
1444	A comprehensive approach to evaluating watershed models for predicting river flow regimes critical to downstream ecosystem services. Environmental Modelling and Software, 2014, 61, 121-134.	1.9	64
1445	Comparison of Simulated Pesticide Concentrations in Surface Drinking Water with Monitoring Data: Explanations for Observed Differences and Proposals for a New Regulatory Modeling Approach. Journal of Agricultural and Food Chemistry, 2014, 62, 348-359.	2.4	5

#	Article	IF	CITATIONS
1446	SWAT-based hydrological modelling of tropical land-use scenarios. Hydrological Sciences Journal, 2014, 59, 1808-1829.	1.2	73
1447	Calibration of SWAT models using the cloud. Environmental Modelling and Software, 2014, 62, 188-196.	1.9	29
1448	Diagnosing Climate Change and Hydrological Responses in the Past Decades for a Minimally-disturbed Headwater Basin in South China. Water Resources Management, 2014, 28, 4385-4400.	1.9	16
1449	Precipitation type estimation and validation in China. Journal of Mountain Science, 2014, 11, 917-925.	0.8	21
1450	A new technique to map groundwater recharge in irrigated areas using a SWAT model under changing climate. Journal of Hydrology, 2014, 519, 1368-1382.	2.3	77
1451	Assessing the effect of watershed slopes on recharge/baseflow and soil erosion. Paddy and Water Environment, 2014, 12, 169-183.	1.0	14
1452	A universal Model-R Coupler to facilitate the use of R functions for model calibration and analysis. Environmental Modelling and Software, 2014, 62, 65-69.	1.9	16
1453	Sediment balances in the Blue Nile River Basin. International Journal of Sediment Research, 2014, 29, 316-328.	1.8	65
1454	SWAT modeling of best management practices for Chungju dam watershed in South Korea under future climate change scenarios. Paddy and Water Environment, 2014, 12, 65-75.	1.0	29
1455	Evaluation of MODIS NDVI and LST for indicating soil moisture of forest areas based on SWAT modeling. Paddy and Water Environment, 2014, 12, 77-88.	1.0	21
1456	Hydrologic impact of climate change with adaptation of vegetation community in a forest-dominant watershed. Paddy and Water Environment, 2014, 12, 51-63.	1.0	3
1457	Addressing sources of uncertainty in runoff projections for a data scarce catchment in the Ecuadorian Andes. Climatic Change, 2014, 125, 221-235.	1.7	18
1458	Assessing anthropogenic influence on the hydrology of small peri-urban catchments: Development of the object-oriented PUMMA model by integrating urban and rural hydrological models. Journal of Hydrology, 2014, 517, 1056-1071.	2.3	34
1459	Multi-objective calibration of a reservoir water quality model in aggregation and non-dominated sorting approaches. Journal of Hydrology, 2014, 510, 280-292.	2.3	20
1460	Water resources and land use planning systems in Portugalâ€"Exploring better synergies through Ria de Aveiro. Land Use Policy, 2014, 39, 84-95.	2.5	26
1461	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
1462	Estimating the optimal width of buffer strip for nonpoint source pollution control in the Three Gorges Reservoir Area, China. Ecological Modelling, 2014, 276, 51-63.	1.2	32
1463	Effects of future urban and biofuel crop expansions on the riverine export of phosphorus to the Laurentian Great Lakes. Ecological Modelling, 2014, 277, 27-37.	1.2	19

#	Article	IF	CITATIONS
1464	Water resources of the Black Sea Basin at high spatial and temporal resolution. Water Resources Research, 2014, 50, 5866-5885.	1.7	62
1465	A new MONERIS in-Stream Retention Module to Account Nutrient Budget of a Temporary River in Cyprus. Water Resources Management, 2014, 28, 2917-2935.	1.9	3
1466	A Holistic System Approach to Understanding Underground Water Dynamics in the Loess Tableland: A Case Study of the Dongzhi Loess Tableland in Northwest China. Water Resources Management, 2014, 28, 2937-2951.	1.9	21
1467	Effects of Different Retention Parameter Estimation Methods on the Prediction of Surface Runoff Using the SCS Curve Number Method. Water Resources Management, 2014, 28, 3241-3254.	1.9	27
1468	Assessing the Impacts of Climate Change on Hydrology of the Upper Reach of the Spree River: Germany. Water Resources Management, 2014, 28, 2731-2749.	1.9	39
1469	Spatial and Temporal Analysis of Hydrological Provision Ecosystem Services for Watershed Conservation Planning of Water Resources. Water Resources Management, 2014, 28, 3619-3636.	1.9	50
1470	Impact of no-tillage agricultural systems on sediment yield in two large catchments in Southern Brazil. Journal of Soils and Sediments, 2014, 14, 1287.	1.5	43
1471	Description of hydrological and erosion processes determined by applying the LISEM model in a rural catchment in southern Brazil. Journal of Soils and Sediments, 2014, 14, 1298-1310.	1.5	25
1472	Modeling sediment sources and yields in a Pyrenean catchment draining to a large reservoir (Ésera) Tj ETQq0 C	0 rgBT /C	verlock 10 T
1473	Hydrologic modelling of the effect of snowmelt and temperature on a mountainous watershed. Journal of Earth System Science, 2014, 123, 705-713.	0.6	16
1474	Modeling Differential Growth in Switchgrass Cultivars Across the Central and Southern Great Plains. Bioenergy Research, 2014, 7, 1165-1173.	2.2	21
1475	Spatial evaluation of phosphorus retention in riparian zones using remote sensing data. Environmental Earth Sciences, 2014, 72, 1643-1657.	1.3	13
1476	Reducing uncertainty in hydrological modelling in a data sparse region. Environmental Earth Sciences, 2014, 72, 4801-4816.	1.3	19
1477	Streamflow response to regional climate model output in the mountainous watershed: a case study from the Swiss Alps. Environmental Earth Sciences, 2014, 72, 4357-4369.	1.3	17
1478	Impact of climate change on diffuse pollutant fluxes at the watershed scale. Hydrological Processes, 2014, 28, 1962-1972.	1.1	31
1479	Reversing Property Rights: Practiceâ€Based Approaches for Controlling Agricultural Nonpointâ€source Water Pollution When Emissions Aggregate Nonlinearly. American Journal of Agricultural Economics, 2014, 96, 397-419.	2.4	34
1480	Hydrological services and the role of forests: Conceptualization and indicator-based analysis with an illustration at a regional scale. Ecological Complexity, 2014, 20, 69-80.	1.4	61
1481	Toward improved calibration of watershed models: Multisite multiobjective measures of information. Environmental Modelling and Software, 2014, 59, 135-145.	1.9	46

#	Article	IF	CITATIONS
1482	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
1483	Curative vs. preventive management of nitrogen transfers in rural areas: Lessons from the case of the Orgeval watershed (Seine River basin, France). Journal of Environmental Management, 2014, 144, 125-134.	3.8	41
1484	Impact of climate and land-use changes on hydrological processes and sediment yield—a case study of the Be River catchment, Vietnam. Hydrological Sciences Journal, 2014, 59, 1095-1108.	1.2	79
1485	Uncertainties in SWAT extreme flow simulation under climate change. Journal of Hydrology, 2014, 515, 205-222.	2.3	86
1486	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
1487	Development and evaluation of a paddy module for improving hydrological simulation in SWAT. Agricultural Water Management, 2014, 137, 116-122.	2.4	51
1488	New insight into pesticide partition coefficient Kd for modelling pesticide fluvial transport: Application to an agricultural catchment in south-western France. Chemosphere, 2014, 99, 134-142.	4.2	43
1489	SWAT-CS: Revision and testing of SWAT for Canadian Shield catchments. Journal of Hydrology, 2014, 511, 719-735.	2.3	46
1490	Modeling the hydrological significance of wetland restoration scenarios. Journal of Environmental Management, 2014, 133, 121-134.	3.8	61
1491	Pesticide transport simulation in a tropical catchment by SWAT. Environmental Pollution, 2014, 191, 70-79.	3.7	36
1492	Application date as a controlling factor of pesticide transfers to surface water during runoff events. Catena, 2014, 119, 97-103.	2.2	43
1493	A multi-scale method to assess pesticide contamination risks in agricultural watersheds. Ecological Indicators, 2014, 36, 624-639.	2.6	35
1494	Assessment of water resources availability and demand in the Mara River Basin. Catena, 2014, 115, 104-114.	2.2	76
1495	Using the SWAT model to assess impacts of land use changes on runoff generation in headwaters. Hydrological Processes, 2014, 28, 1032-1042.	1.1	90
1496	Assessing crop yield and crop water productivity and optimizing irrigation scheduling of winter wheat and summer maize in the Haihe plain using SWAT model. Hydrological Processes, 2014, 28, 2478-2498.	1.1	54
1497	Development of an integrated modeling approach for identifying multilevel non-point-source priority management areas at the watershed scale. Water Resources Research, 2014, 50, 4095-4109.	1.7	41
1498	Reviewing innovative Earth observation solutions for filling science-policy gaps in hydrology. Journal of Hydrology, 2014, 518, 267-277.	2.3	32
1499	Predicting the long-term 137Cs distribution in Fukushima after the Fukushima Dai-ichi nuclear power plant accident: a parameter sensitivity analysis. Journal of Environmental Radioactivity, 2014, 135, 135-146.	0.9	45

#	Article	IF	CITATIONS
1500	Modeling hydrological variability of fresh water resources in the Rio Cobre watershed, Jamaica. Catena, 2014, 120, 81-90.	2.2	34
1501	Hydrological and Water Quality Assessment in a Suburban Watershed with Mixed Land Uses Using the SWAT Model. Journal of Hydrologic Engineering - ASCE, 2014, 19, 816-827.	0.8	30
1502	Accommodating environmental thresholds and extreme events in hydrological models: A Bayesian approach. Journal of Great Lakes Research, 2014, 40, 102-116.	0.8	28
1503	Collaborative modelling and integrated decision support system analysis of a developed terminal lake basin. Journal of Hydrology, 2014, 517, 521-537.	2.3	30
1504	Potential evapotranspiration-related uncertainty in climate change impacts on river flow: An assessment for the Mekong River basin. Journal of Hydrology, 2014, 510, 259-279.	2.3	82
1505	Improvement of the R-SWAT-FME framework to support multiple variables and multi-objective functions. Science of the Total Environment, 2014, 466-467, 455-466.	3.9	29
1506	Estimating point and non-point source nutrient loads in the Saginaw Bay watersheds. Journal of Great Lakes Research, 2014, 40, 11-17.	0.8	9
1507	The SRI (system of rice intensification) water management evaluation by SWAPP (SWAT–APEX Program) modeling in an agricultural watershed of South Korea. Paddy and Water Environment, 2014, 12, 251-261.	1.0	10
1508	Comparative performance of soil water balance models in computing semi-arid aquifer recharge. Hydrological Sciences Journal, 2014, 59, 193-203.	1.2	14
1509	Nonâ€point source pollution modelling using Soil and Water Assessment Tool and its parameter sensitivity analysis in Xin'anjiang catchment, China. Hydrological Processes, 2014, 28, 1627-1640.	1.1	59
1510	Effect of Climate Change on Environmental Flow Indicators in the Narew Basin, Poland. Journal of Environmental Quality, 2014, 43, 155-167.	1.0	40
1511	Scalability of grid- and subbasin-based land surface modeling approaches for hydrologic simulations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3166-3184.	1.2	16
1512	Hydrologic Modeling in a Small Mediterranean Basin as a Tool to Assess the Feasibility of a Limno-Reservoir. Journal of Environmental Quality, 2014, 43, 121-131.	1.0	22
1513	Catchment dynamics and its impact on runoff generation: Coupling watershed modelling and statistical analysis to detect catchment responses. International Journal of Water Resources and Environmental Engineering, 2014, 6, 73-87.	0.2	32
1514	Simulating Landscape Sediment Transport Capacity by Using a Modified SWAT Model. Journal of Environmental Quality, 2014, 43, 55-66.	1.0	60
1515	Applications of the SWAT Model Special Section: Overview and Insights. Journal of Environmental Quality, 2014, 43, 1-8.	1.0	386
1516	Simulation Climate Change Impact on Runoff and Sediment Yield in a Small Watershed in the Basque Country, Northern Spain. Journal of Environmental Quality, 2014, 43, 235-245.	1.0	58
1517	Comparison of CANWET and HSPF for water budget and water quality modeling in rural Ontario. Water Quality Research Journal of Canada, 2014, 49, 53-71.	1.2	11

#	Article	IF	CITATIONS
1518	Forcing Hydrologic Models with GCM Output: Bias Correction vs. the "Delta Change" Method. , 2014, , .		5
1519	Simulating Land Management Options to Reduce Nitrate Pollution in an Agricultural Watershed Dominated by an Alluvial Aquifer. Journal of Environmental Quality, 2014, 43, 67-74.	1.0	46
1520	Effects of Agricultural Conservation Practices on N Loads in the Mississippi–Atchafalaya River Basin. Journal of Environmental Quality, 2014, 43, 1903-1915.	1.0	11
1521	Development and Testing of an Inâ€Stream Phosphorus Cycling Model for the Soil and Water Assessment Tool. Journal of Environmental Quality, 2014, 43, 215-223.	1.0	25
1523	IMPROVEMENT OF CASC2D MODEL FOR RAINFALL-RUNOFF SIMULATIONS IN A FORESTED CATCHMENT. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_157-I_162.	0.0	2
1524	Salinity modelling accuracy of a coastal lagoon: a comparative river flow analysis of basin model vs. traditional approaches. Journal of Coastal Research, 2014, 70, 586-591.	0.1	7
1525	Free internet datasets for streamflow modelling using SWAT in the Johor river basin, Malaysia. IOP Conference Series: Earth and Environmental Science, 2014, 18, 012193.	0.2	1
1526	Assessing SWAT's performance in the Kaskaskia River watershed as influenced by the number of calibration stations used. Hydrological Processes, 2014, 28, 676-687.	1.1	31
1527	Geologic and hydrologic settings for development of freshwater lenses in arid lands. Hydrological Processes, 2014, 28, 3185-3194.	1.1	13
1528	Influence of river channel geometry in stream flow modelling and guidelines for field investigation. Hydrological Processes, 2014, 28, 2630-2638.	1.1	1
1529	Response of streamflow to climate change and human activity in Xitiaoxi river basin in China. Hydrological Processes, 2014, 28, 43-50.	1.1	59
1530	Study of suspended sediment dynamics in a temperate coastal lagoon: Ria de Aveiro (Portugal). Journal of Coastal Research, 2014, 70, 604-609.	0.1	4
1531	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
1532	Sensitivity of Hydrological Outputs from SWAT to DEM Spatial Resolution. Photogrammetric Engineering and Remote Sensing, 2014, 80, 639-652.	0.3	9
1533	The potential of Russia to increase its wheat production through cropland expansion and intensification. Global Food Security, 2014, 3, 133-141.	4.0	71
1534	Twentieth century agricultural drainage creates more erosive rivers. Hydrological Processes, 2014, 28, 1951-1961.	1,1	120
1535	Modelling inorganic nitrogen leaching in nested mesoscale catchments in central Germany. Ecohydrology, 2014, 7, 1345-1362.	1.1	30
1536	Waveletâ€based multiscale performance analysis: An approach to assess and improve hydrological models. Water Resources Research, 2014, 50, 9721-9737.	1.7	67

#	Article	IF	CITATIONS
1537	Assessing the impact of climate change on water resources, crop production and land degradation in a semi-arid river basin. Hydrology Research, 2015, 46, 854-870.	1.1	34
1538	The NHDPlus dataset, watershed subdivision and SWAT model performance. Hydrological Sciences Journal, 2015, 60, 1690-1708.	1.2	19
1539	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
1540	Evaluating the Time-Invariance Hypothesis of Climate Model Bias Correction: Implications for Hydrological Impact Studies. Journal of Hydrometeorology, 2015, 16, 2013-2026.	0.7	31
1541	Phosphorus Transport in Agricultural Subsurface Drainage: A Review. Journal of Environmental Quality, 2015, 44, 467-485.	1.0	358
1542	A hydrometeorological approach for probabilistic simulation of monthly soil moisture under bare and crop land conditions. Water Resources Research, 2015, 51, 2336-2355.	1.7	14
1543	Impacts of climate change on nutrient losses from the Pike River watershed of southern Québec. Canadian Journal of Soil Science, 2015, 95, 337-358.	0.5	10
1544	Simulation of upper Kuantan River basin streamflow using SWAT model. AIP Conference Proceedings, 2015, , .	0.3	1
1545	ArcSWAT Modeling Analysis for Post-Wildfire Logging Impacts on Sediment and Water Yields at Salmon-Challis National Forest, Idaho, USA. , 2015 , , .		1
1547	Assessment of climate change impacts in a semi-arid watershed in Iran using regional climate models. Journal of Water and Climate Change, 2015, 6, 161-180.	1.2	17
1548	SWAT meta-modeling as support of the management scenario analysis in large watersheds. Water Science and Technology, 2015, 72, 2103-2111.	1.2	7
1549	Evaluation of hydrology, suspended sediment and Nickel loads in a small watershed in Basque Country (Northern Spain) using eco-hydrological SWAT model. Annales De Limnologie, 2015, 51, 59-70.	0.6	7
1550	An auto-adaptive optimization approach for targeting nonpoint source pollution control practices. Scientific Reports, 2015, 5, 15393.	1.6	9
1551	Dynamic Modelling of Land Use Change Impacts on Nitrate Loads in Rivers. Environmental Processes, 2015, 2, 575-592.	1.7	52
1552	Runoff and sediment yield modeling using ANN and support vector machines: a case study from Nepal watershed. Modeling Earth Systems and Environment, 2015 , 1 , 1 .	1.9	55
1553	Recharge variability and sensitivity to climate: The example of Gidabo River Basin, Main Ethiopian Rift. Journal of Hydrology: Regional Studies, 2015, 4, 644-660.	1.0	27
1554	A fuzzy rule based metamodel for monthly catchment nitrate fate simulations. Journal of Hydrology, 2015, 531, 863-876.	2.3	5
1555	Flood Level Mitigation Study Using 1-D Hydrodynamic Modeling. Aquatic Procedia, 2015, 4, 925-932.	0.9	1

#	Article	IF	CITATIONS
1556	Application of satellite-derived rainfall for hydrological modelling in the data-scarce Black Volta trans-boundary basin. Hydrology Research, 2015, 46, 777-791.	1.1	28
1557	Hydrological response to dynamical downscaling of climate model outputs: A case study for western and eastern snowmelt-dominated Canada catchments. Journal of Hydrology: Regional Studies, 2015, 4, 595-610.	1.0	18
1558	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
1559	Assessing uncertainties in surface water security: An empirical multimodel approach. Water Resources Research, 2015, 51, 9013-9028.	1.7	14
1560	Climate Change Impacts on Flow, Sediment and Nutrient Export in a Great Lakes Watershed Using SWAT. Clean - Soil, Air, Water, 2015, 43, 1464-1474.	0.7	50
1561	Development of a gridâ€based version of the SWAT landscape model. Hydrological Processes, 2015, 29, 900-914.	1.1	68
1562	Understanding the relative impacts of natural processes and human activities on the hydrology of the Central Rift Valley lakes, East Africa. Hydrological Processes, 2015, 29, 4312-4324.	1.1	51
1563	Assessing the transport of total phosphorus from a prairie river basin using SPARROW. Hydrological Processes, 2015, 29, 4144-4160.	1.1	11
1564	Adaptive Targeting: Engaging Farmers to Improve Targeting and Adoption of Agricultural Conservation Practices. Journal of the American Water Resources Association, 2015, 51, 973-991.	1.0	21
1565	Using SWAT to simulate streamflow in Huifa River basin with ground and Fengyun precipitation data. Journal of Hydroinformatics, 2015, 17, 834-844.	1.1	5
1566	Regional Blue and Green Water Balances and Use by Selected Crops in the scp> U.S. scp>. Journal of the American Water Resources Association, 2015, 51, 1626-1642.	1.0	16
1567	Development of Sediment and Nutrient Export Coefficients for U.S. Ecoregions. Journal of the American Water Resources Association, 2015, 51, 758-775.	1.0	33
1568	Costâ€Effectiveness of Soil and Water Conservation Measures on the Catchment Sediment Budget–The Laaba Watershed Case Study, Burkina Faso. Land Degradation and Development, 2015, 26, 737-747.	1.8	33
1569	The Conservation Effects Assessment Project (CEAP): a national scale natural resources and conservation needs assessment and decision support tool. IOP Conference Series: Earth and Environmental Science, 2015, 25, 012012.	0.2	14
1570	Assessing the performance of a semiâ€distributed hydrological model under various watershed discretization schemes. Hydrological Processes, 2015, 29, 4018-4031.	1.1	34
1571	Considering Climate Change in the Estimation of Longâ€Term Flood Risks of Devils Lake in North Dakota. Journal of the American Water Resources Association, 2015, 51, 1221-1234.	1.0	15
1572	Spatial Optimization of Six Conservation Practices Using Swat inÂTileâ€Drained Agricultural Watersheds. Journal of the American Water Resources Association, 2015, 51, 956-972.	1.0	42
1573	Integrating isolated and riparian wetland modules in the PHYSITEL/HYDROTEL modelling platform: model performance and diagnosis. Hydrological Processes, 2015, 29, 4683-4702.	1.1	31

#	Article	IF	CITATIONS
1574	Light Detection and Ranging for Implementing Waterâ€Oriented Forest Management in a Semiarid Subâ€Catchment (Valencia, Spain). Clean - Soil, Air, Water, 2015, 43, 1488-1494.	0.7	4
1575	Assessing the effects of precipitation and temperature changes on hydrological processes in a glacierâ€dominated catchment. Hydrological Processes, 2015, 29, 4830-4845.	1.1	28
1576	Investigations of uncertainty in SWAT hydrologic simulations: a case study of a Canadian Shield catchment. Hydrological Processes, 2015, 29, 4000-4017.	1.1	28
1577	Sensitivity-Based Calibration of the Soil and Water Assessment Tool for Hydrologic Cycle Simulation in the Cong Watershed, Vietnam. Water Environment Research, 2015, 87, 735-750.	1.3	4
1578	The AgroEcoSystem (AgES) Responseâ€Function Model Simulates Layered Soilâ€Water Dynamics in Semiarid Colorado: Sensitivity and Calibration. Vadose Zone Journal, 2015, 14, 1-16.	1.3	8
1579	On inclusion of water resource management in Earth system models – Part 2: Representation of water supply and allocation and opportunities for improved modeling. Hydrology and Earth System Sciences, 2015, 19, 63-90.	1.9	102
1580	Validation of a Locally Revised Topographic Index in Central New Jersey, USA. Water (Switzerland), 2015, 7, 6616-6633.	1.2	4
1581	Performance Evaluation of SWAT Model for Land Use and Land Cover Changes under different Climatic Conditions: A Review. Hydrology Current Research, 2015, 06, .	0.4	18
1582	Integrated assessment of the impact of climate and land use changes on groundwater quantity and quality in the Mancha Oriental system (Spain). Hydrology and Earth System Sciences, 2015, 19, 1677-1693.	1.9	77
1583	Modeling Wastewater Evolution and Management Options under Variable Land Use Scenarios. , 0, , .		0
1584	South Asia river-flow projections and their implications for water resources. Hydrology and Earth System Sciences, 2015, 19, 4783-4810.	1.9	14
1585	Effects of hydrologic conditions on SWAT model performance and parameter sensitivity for a small, mixed land use catchment in New Zealand. Hydrology and Earth System Sciences, 2015, 19, 4127-4147.	1.9	63
1586	Process verification of a hydrological model using a temporal parameter sensitivity analysis. Hydrology and Earth System Sciences, 2015, 19, 4365-4376.	1.9	42
1587	Hydrologic Modeling to Evaluate the Impact of Hydraulic Fracturing on Stream Low Flows: Challenges and Opportunities for a Simulation Study. American Journal of Environmental Sciences, 2015, 11, 199-215.	0.3	8
1588	Effects of Land Cover on Streamflow Variability in a Small Iowa Watershed: Assessing Future Vulnerabilities. American Journal of Environmental Sciences, 2015, 11, 186-198.	0.3	7
1589	Evaluating Effects of Poultry Waste Application on Phosphorus Loads to Lake Tenkiller. Sustainability, 2015, 7, 10115-10134.	1.6	7
1590	Modeling Water-Quality Loads to the Reservoirs of the Upper Trinity River Basin, Texas, USA. Water (Switzerland), 2015, 7, 5689-5704.	1.2	7
1591	Identifying Nutrient Contributors in North Carolina's Coastal Plain Blackwater Rivers. American Journal of Environmental Sciences, 2015, 11, 313-324.	0.3	3

#	Article	IF	CITATIONS
1592	Modelling of Best Management Practices in Agricultural Areas., 2015,,.		1
1593	Evaluation of Alternative Cropping and Nutrient Management Systems with Soil and Water Assessment Tool for the Raccoon River Watershed Master Plan. American Journal of Environmental Sciences, 2015, 11, 227-244.	0.3	6
1594	Improvement of Hydrological Simulations by Applying Daily Precipitation Interpolation Schemes in Meso-Scale Catchments. Water (Switzerland), 2015, 7, 747-779.	1.2	33
1595	Assessment of Agricultural Best Management Practices Using Models: Current Issues and Future Perspectives. Water (Switzerland), 2015, 7, 1088-1108.	1.2	58
1596	Spatial Quantification of Non-Point Source Pollution in a Meso-Scale Catchment for an Assessment of Buffer Zones Efficiency. Water (Switzerland), 2015, 7, 1889-1920.	1.2	19
1597	A Heuristic Dynamically Dimensioned Search with Sensitivity Information (HDDS-S) and Application to River Basin Management. Water (Switzerland), 2015, 7, 2214-2238.	1.2	6
1598	Large-Scale Hydrological Modeling and Decision-Making for Agricultural Water Consumption and Allocation in the Main Stem Tarim River, China. Water (Switzerland), 2015, 7, 2821-2839.	1.2	32
1599	A Multi-Criteria Model Selection Protocol for Practical Applications to Nutrient Transport at the Catchment Scale. Water (Switzerland), 2015, 7, 2851-2880.	1.2	15
1600	Application of the Entropy Method to Select Calibration Sites for Hydrological Modeling. Water (Switzerland), 2015, 7, 6719-6735.	1.2	7
1601	Comparative Studies of Different Imputation Methods for Recovering Streamflow Observation. Water (Switzerland), 2015, 7, 6847-6860.	1.2	35
1602	Towards ecosystem accounting: a comprehensive approach to modelling multiple hydrological ecosystem services. Hydrology and Earth System Sciences, 2015, 19, 4377-4396.	1.9	39
1603	Scenario Analysis for Water Resources in Response to Land Use Change in the Middle and Upper Reaches of the Heihe River Basin. Sustainability, 2015, 7, 3086-3108.	1.6	88
1604	Parametric Assessment of Water Use Vulnerability Variations Using SWAT and Fuzzy TOPSIS Coupled with Entropy. Sustainability, 2015, 7, 12052-12070.	1.6	11
1605	Modeling Spatiotemporal Precipitation: Effects of Density, Interpolation, and Land Use Distribution. Advances in Meteorology, 2015, 2015, 1-16.	0.6	28
1606	Comparing bias correction methods in downscaling meteorological variables for a hydrologic impact study in an arid area in China. Hydrology and Earth System Sciences, 2015, 19, 2547-2559.	1.9	347
1607	The Role of Latin America's Land and Water Resources for Global Food Security: Environmental Trade-Offs of Future Food Production Pathways. PLoS ONE, 2015, 10, e0116733.	1.1	41
1608	A Modelling Framework to Assess the Effect of Pressures on River Abiotic Habitat Conditions and Biota. PLoS ONE, 2015, 10, e0130228.	1.1	19
1609	Simulating Crop Evapotranspiration Response under Different Planting Scenarios by Modified SWAT Model in an Irrigation District, Northwest China. PLoS ONE, 2015, 10, e0139839.	1.1	8

#	Article	IF	CITATIONS
1610	Evaluation of the AnnAGNPS Model for Predicting Runoff and Nutrient Export in a Typical Small Watershed in the Hilly Region of Taihu Lake. International Journal of Environmental Research and Public Health, 2015, 12, 10955-10973.	1.2	11
1611	Modeling to Evaluate and Manage Water and Environmental Sustainability of Bioenergy Crops in the United States. Advances in Agricultural Systems Modeling, 2015, , 139-160.	0.3	1
1612	A conceptual socio-hydrological model of the co-evolution of humans and water: case study of the Tarim River basin, western China. Hydrology and Earth System Sciences, 2015, 19, 1035-1054.	1.9	63
1613	Estimating the impact of climate change on streamflow in Bagmati Watershed, Nepal. , 2015, , .		0
1614	Research on Nonpoint Source Pollution Assessment Method in Data Sparse Regions: A Case Study of Xichong River Basin, China. Advances in Meteorology, 2015, 2015, 1-10.	0.6	8
1615	Climate Change Impact on the Hydrology of a Typical Watershed in the Tianshan Mountains. Advances in Meteorology, 2015, 2015, 1-10.	0.6	17
1616	Hydrologic Responses to Land Use Change in the Loess Plateau: Case Study in the Upper Fenhe River Watershed. Advances in Meteorology, 2015, 2015, 1-10.	0.6	13
1617	A simplified algorithm for calculating benthic nutrient fluxes in river systems. Annales De Limnologie, 2015, 51, 37-47.	0.6	15
1618	Assessing the Impacts of Grazing Management Practices on Watershed Hydrology and Water Quality. , 2015, , .		0
1619	Linking regional climate simulations and hydrologic models for climate-change impact studies: a data processing framework. , 2015, , .		0
1620	Coupling the Short-Term Global Forecast System Weather Data With Disturbed Watershed Models: Implication for Landscape Management. , 2015, , .		0
1621	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
1622	Simulation of hydrological processes and effects of engineering projects on the Karkheh River Basin and its wetland using SWAT2009. Quaternary International, 2015, 374, 144-153.	0.7	12
1623	Simulation, quantification and comparison of in-channel and floodplain sediment processes in a lowland area – A case study of the Upper Stör catchment in northern Germany. Ecological Indicators, 2015, 57, 118-127.	2.6	9
1624	Assessment of the Water Resource of the Yodo River Basin in Japan Using a Distributed Hydrological Model Coupled with WRF Model. Springer Earth System Sciences, 2015, , 137-160.	0.1	4
1625	Divergence of actual and reference evapotranspiration observations for irrigated sugarcane with windy tropical conditions. Hydrology and Earth System Sciences, 2015, 19, 583-599.	1.9	15
1626	Analyses of landuse change impacts on catchment runoff using different time indicators based on SWAT model. Ecological Indicators, 2015, 58, 55-63.	2.6	152
1627	The Water We Eat. Springer Water, 2015, , .	0.2	11

#	Article	IF	CITATIONS
1628	Evaluation of reanalysis and satellite-based precipitation datasets in driving hydrological models in a humid region of Southern China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 2003-2020.	1.9	27
1629	Upscaling Nitrogen Removal Capacity from Local Hotspots to Low Stream Orders' Drainage Basins. Ecosystems, 2015, 18, 1101-1120.	1.6	104
1630	Identification and management of critical erosion watersheds for improving reservoir life using hydrological modeling. Sustainable Water Resources Management, 2015, 1, 57-70.	1.0	8
1631	The Quantitative Research of Impact of Climate Change and Reservoir Operation on the Runoff. Applied Mechanics and Materials, 0, 730, 203-207.	0.2	1
1632	Expanding sustainable land management in Ethiopia: Scenarios for improved agricultural water management in the Blue Nile. Agricultural Water Management, 2015, 158, 166-178.	2.4	30
1634	Farmers' responses to climate change impact on water availability: insights from the Indrawati Basin in Nepal. International Journal of Water Resources Development, 2015, 31, 269-283.	1.2	41
1635	Parameter uncertainty analysis for simulating streamflow in a river catchment of Vietnam. Global Ecology and Conservation, 2015, 4, 538-548.	1.0	80
1636	China's water for food under growing water scarcity. Food Security, 2015, 7, 933-949.	2.4	28
1637	Water quantity implications of regional-scale switchgrass production in the southeastern U.S Biomass and Bioenergy, 2015, 83, 50-59.	2.9	5
1638	Projecting streamflow in the Tangwang River basin (China) using a rainfall generator and two hydrological models. Climate Research, 2015, 62, 79-97.	0.4	13
1639	Statistical seasonal streamflow forecasting using probabilistic approach over West African Sahel. Natural Hazards, 2015, 79, 699-722.	1.6	7
1640	Assessment of hydropower potential using spatial technology and SWAT modelling in the Mat River, southern Mizoram, India. Hydrological Sciences Journal, 2015, 60, 1651-1665.	1.2	39
1641	Valuing water quality tradeoffs at different spatial scales: An integrated approach using bilevel optimization. Water Resources and Economics, 2015, 11, 1-12.	0.9	39
1642	The Quantitative Research of Impact of Climate Change and Reservoir Operation on the Runoff Based on Computer Simulation. , 2015, , .		0
1643	Assessment of three dimensionless measures of model performance. Environmental Modelling and Software, 2015, 73, 167-174.	1.9	59
1644	Rainfall-Runoff Modelling for Sustainable Water Resources Management: SWAT Model Review in Australia., 2015,, 563-578.		2
1645	Modeling the Effects of Land Use Change and Climate Change on Stream Flow Using GIS and a Hydrological Model. Springer Remote Sensing/photogrammetry, 2015, , 17-33.	0.4	1
1646	Hydrological modeling of the Simly Dam watershed (Pakistan) using GIS and SWAT model. AEJ - Alexandria Engineering Journal, 2015, 54, 583-594.	3.4	106

#	Article	IF	CITATIONS
1647	Application of species distribution models in stream ecosystems: the challenges of spatial and temporal scale, environmental predictors and species occurrence data. Fundamental and Applied Limnology, 2015, 186, 45-61.	0.4	76
1648	Modeling increased riverine nitrogen export: Source tracking and integrated watershed-coast management. Marine Pollution Bulletin, 2015, 101, 642-652.	2.3	29
1650	Dependence of the sediment delivery ratio on scale and its fractal characteristics. International Journal of Sediment Research, 2015, 30, 338-343.	1.8	13
1651	Assessing the impact of drought and forestry on streamflows in south-eastern Australia using a physically based hydrological model. Environmental Earth Sciences, 2015, 74, 6047-6063.	1.3	38
1652	Progress and Challenges in Quantifying Water Quality and Ecosystem Responses from Agricultural, Forestry, and Bioenergy Landscapes. Current Sustainable/Renewable Energy Reports, 2015, 2, 128-135.	1.2	1
1653	Overview of Ecohydrological Models and Systems at the Watershed Scale. IEEE Systems Journal, 2015, 9, 1091-1099.	2.9	22
1654	Spatial variability of saturated hydraulic conductivity at the hillslope scale: Understanding the role of land management and erosional effect. Geoderma, 2015, 243-244, 58-68.	2.3	69
1655	A computationally efficient approach for watershed scale spatial optimization. Environmental Modelling and Software, 2015, 66, 1-11.	1.9	40
1656	Hydrologic Modelling of Data Scarce Basin with SWAT Model: Capabilities and Limitations. Water Resources Management, 2015, 29, 81-94.	1.9	61
1657	Ecohydrological model parameter selection for stream health evaluation. Science of the Total Environment, 2015, 511, 341-353.	3.9	29
1658	Simulating coupled surface and subsurface water flow in a tile-drained agricultural catchment. Journal of Hydrology, 2015, 521, 374-388.	2.3	49
1659	Combined impacts of future climate and land use changes on discharge, nitrogen and phosphorus loads for a Canadian river basin. Journal of Environmental Management, 2015, 151, 76-86.	3.8	148
1660	Groundwater conceptualization and modeling using distributed SWAT-based recharge for the semi-arid agricultural Neishaboor plain, Iran. Hydrogeology Journal, 2015, 23, 47-68.	0.9	58
1661	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
1662	Calibration of SWAT model for woody plant encroachment using paired experimental watershed data. Journal of Hydrology, 2015, 523, 231-239.	2.3	38
1663	Estimating Sediment Yield from Upland and Channel Erosion at A Watershed Scale Using SWAT. Water Resources Management, 2015, 29, 1399-1412.	1.9	34
1664	Comparing statistical post-processing of regional and global climate scenarios for hydrological impacts assessment: A case study of two Canadian catchments. Journal of Hydrology, 2015, 520, 268-288.	2.3	29
1665	Impact of land cover and land use change on runoff characteristics. Journal of Environmental Management, 2015, 161, 460-468.	3.8	168

#	Article	IF	CITATIONS
1666	Organized variability of surface runoff responses across neighboring hillslopes in Iowa. Journal of Hydrology, 2015, 523, 1-13.	2.3	3
1667	Comprehensive hydrologic calibration of SWAT and water balance analysis in mountainous watersheds in northwest China. Physics and Chemistry of the Earth, 2015, 79-82, 76-85.	1.2	32
1668	Impacts of climate change under CMIP5 RCP scenarios on streamflow in the Huangnizhuang catchment. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1781-1795.	1.9	89
1669	Using SWAT to determine reference nutrient conditions for small and large streams. Journal of Great Lakes Research, 2015, 41, 123-135.	0.8	12
1670	Temporal variability of suspended sediment transport and rating curves in a Mediterranean river basin: The Celone (SE Italy). Catena, 2015, 128, 135-143.	2.2	86
1671	Assessing the significance of wetland restoration scenarios on sediment mitigation plan. Ecological Engineering, 2015, 77, 103-113.	1.6	18
1672	Integrating hydrological features and genetically validated occurrence data in occupancy modelling of an endemic and endangered semi-aquatic mammal, Galemys pyrenaicus, in a Pyrenean catchment. Biological Conservation, 2015, 184, 182-192.	1.9	19
1673	Accounting for Conceptual Soil Erosion and Sediment Yield Modeling Uncertainty in the APEX Model Using Bayesian Model Averaging. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	10
1674	Assessment of climate and land use change impacts with SWAT. Regional Environmental Change, 2015, 15, 431-434.	1.4	59
1675	Hydrological responses to climate change in Mt. Elgon watersheds. Journal of Hydrology: Regional Studies, 2015, 3, 233-246.	1.0	34
1676	Climate change and irrigation demand: Uncertainty and adaptation. Journal of Hydrology: Regional Studies, 2015, 3, 247-264.	1.0	65
1677	Using long time series of agricultural-derived nitrates for estimating catchment transit times. Journal of Hydrology, 2015, 522, 603-617.	2.3	35
1678	Modelling the impacts of spatial heterogeneity in soil hydraulic properties on hydrological process in the upper reach of the Heihe River in the Qilian Mountains, Northwest China. Hydrological Processes, 2015, 29, 3318-3327.	1.1	40
1679	SWAT Model Calibration and Uncertainty Analysis for Streamflow Prediction in the Kunwari River Basin, India, Using Sequential Uncertainty Fitting. Environmental Processes, 2015, 2, 79-95.	1.7	137
1680	Determining the importance of model calibration for forecasting absolute/relative changes in streamflow from LULC and climate changes. Journal of Hydrology, 2015, 522, 439-451.	2.3	96
1681	Development of semi-physically based model to predict erosion rate of kaolinite clay under different moisture content. Canadian Geotechnical Journal, 2015, 52, 577-586.	1.4	9
1682	Modeling of sediment yield in Maybar gauged watershed using SWAT, northeast Ethiopia. Catena, 2015, 127, 191-205.	2.2	125
1683	Assessment of streamflow and catchment water balance sensitivity to climate change for the Yass River catchment in southÂeastern Australia. Environmental Earth Sciences, 2015, 73, 6229-6242.	1.3	5

#	Article	IF	CITATIONS
1684	Influence of Hydropower Development on Flow Regime in the Zambezi River Basin for Different Scenarios of Environmental Flows. Water Resources Management, 2015, 29, 731-747.	1.9	31
1685	A method to reduce the computational requirement while assessing uncertainty of complex hydrological models. Stochastic Environmental Research and Risk Assessment, 2015, 29, 847-859.	1.9	9
1686	Strategic Planning for Drought Mitigation under Climate Change. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	45
1687	Assessment of future climate change impacts on snowmelt and stream water quality for a mountainous high-elevation watershed using SWAT. Paddy and Water Environment, 2015, 13, 557-569.	1.0	26
1688	Assessing the impacts of climate change on water quantity and quality modelling in small Slovenian Mediterranean catchment - lesson for policy and decision makers. Hydrological Processes, 2015, 29, 3124-3144.	1.1	36
1689	Projected impacts of climate change on farmers' extraction of groundwater from crystalline aquifers in South India. Scientific Reports, 2014, 4, 3697.	1.6	47
1690	Parameter identification and uncertainty analysis for simulating streamflow in a river basin of Eastern India. Hydrological Processes, 2015, 29, 3744-3766.	1.1	55
1691	Critical Erosion Area Identification Based on Hydrological Response Unit Level for Effective Sedimentation Control in a River Basin. Water Resources Management, 2015, 29, 1749-1765.	1.9	27
1692	Ensemble Climate Projection for Hydro-Meteorological Drought over a river basin in Central Highland, Vietnam. KSCE Journal of Civil Engineering, 2015, 19, 427-433.	0.9	34
1693	Changes to flow regime on the Niger River at Koulikoro under a changing climate. Hydrological Sciences Journal, 2015, 60, 1709-1723.	1.2	35
1694	Implementing contour bank farming practices into the J2000 model to improve hydrological and erosion modelling in semi-arid Western Cape Province of South Africa. Hydrology Research, 2015, 46, 192-211.	1.1	8
1695	Characteristic and Role ofÂGroundwater in the Critical Zone. Developments in Earth Surface Processes, 2015, 19, 295-318.	2.8	1
1696	Comparing calibrated parameter sets of the SWAT model for the Scandinavian and Iberian peninsulas. Hydrological Sciences Journal, 0, , 1-19.	1.2	27
1697	Assessing the impacts of sustainable agricultural practices for water quality improvements in the Vouga catchment (Portugal) using the SWAT model. Science of the Total Environment, 2015, 536, 48-58.	3.9	47
1698	Determination of spatially differentiated water balance components including groundwater recharge on the Federal State level – A case study using the mGROWA model in North Rhine-Westphalia (Germany). Journal of Hydrology: Regional Studies, 2015, 4, 294-312.	1.0	33
1699	Is the governance of the Thau coastal lagoon ready to face climate change impacts?. Ocean and Coastal Management, 2015, 118, 234-246.	2.0	13
1700	Simulated impacts of climate change and agricultural land use change on surface water quality with and without adaptation management strategies. Agriculture, Ecosystems and Environment, 2015, 213, 47-60.	2.5	48
1701	Application of BMP to urban runoff control using SUSTAIN model: Case study in an industrial area. Ecological Modelling, 2015, 318, 177-183.	1.2	41

#	Article	IF	CITATIONS
1702	Watershed Management Practices in the Tropics. , 2015, , 1-16.		0
1703	21st century increases in the likelihood of extreme hydrologic conditions for the mountainous basins of the Southwestern United States. Journal of Hydrology, 2015, 529, 340-353.	2.3	30
1704	Predicting characteristics of rainfall driven estrogen runoff and transport from swine AFO spray fields. Science of the Total Environment, 2015, 532, 571-580.	3.9	23
1705	Spatial variation of crop rotations and their impacts on provisioning ecosystem services on the river Drava alluvial plain. Sustainability of Water Quality and Ecology, 2015, 5, 31-48.	2.0	20
1706	Impacts of DEM resolution, source, and resampling technique on SWAT-simulated streamflow. Applied Geography, 2015, 63, 357-368.	1.7	113
1707	Modeling the effects of climate change on water, sediment, and nutrient yields from the Maumee River watershed. Journal of Hydrology: Regional Studies, 2015, 4, 762-775.	1.0	66
1708	Assessment of the AnnAGNPS model in simulating runoff and nutrients in a typical small watershed in the Taihu Lake basin, China. Catena, 2015, 133, 349-361.	2.2	41
1709	Potential of Probabilistic Hydrometeorological Approach for Precipitation-Based Soil Moisture Estimation. Journal of Hydrologic Engineering - ASCE, 2015, 20, 04014056.	0.8	6
1710	Sediment Yield Simulation Using SWAT Model for Water Environmental Protection in an Agricultural Watershed. Applied Mechanics and Materials, 0, 713-715, 1894-1898.	0.2	4
1711	Hydrological modelling of urbanized catchments: A review and future directions. Journal of Hydrology, 2015, 529, 62-81.	2.3	293
1712	Eco-hydrologic model cascades: Simulating land use and climate change impacts on hydrology, hydraulics and habitats for fish and macroinvertebrates. Science of the Total Environment, 2015, 533, 542-556.	3.9	77
1713	Evaluation of a GIS-Based Watershed Model for Streamflow and Sediment-Yield Simulation in the Upper Baitarani River Basin of Eastern India. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	13
1714	Streamflow Response to Land Use–Land Cover Change over the Nethravathi River Basin, India. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	38
1715	Correlation of trace contaminants to wastewater management practices in small watersheds. Environmental Sciences: Processes and Impacts, 2015, 17, 956-964.	1.7	9
1716	Response of hydrological processes to land use change and climate variability in the upper Naoli River watershed, northeast China. Water Resources, 2015, 42, 438-447.	0.3	9
1717	Evaluating the impacts of climate change and crop land use change on streamflow, nitrates and phosphorus: A modeling study in Bavaria. Journal of Hydrology: Regional Studies, 2015, 4, 60-90.	1.0	74
1718	Second-Order Autoregressive Model-Based Likelihood Function for Calibration and Uncertainty Analysis of SWAT Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, 04014045.	0.8	5
1719	Multisite Assessment of Hydrologic Processes in Snow-Dominated Mountainous River Basins in Colorado Using a Watershed Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	10

#	Article	IF	CITATIONS
1720	Assessment of impact of climate change on water resources in a hilly river basin. Arabian Journal of Geosciences, 2015, 8, 10625-10646.	0.6	28
1721	Agricultural Policy Environmental eXtender model simulation of climate change impacts on runoff from a small no-till watershed. Journal of Soils and Water Conservation, 2015, 70, 101-109.	0.8	12
1722	Hydrological Effects on Relationships Between $\hat{l}' < \sup > 15 < \sup > N$ of River Nitrate and Land Use in a Rural River Basin, Western Japan. River Research and Applications, 2015, 31, 639-649.	0.7	4
1723	An attack on two fronts: predicting how changes in land use and climate affect the distribution of stream macroinvertebrates. Freshwater Biology, 2015, 60, 1443-1458.	1.2	66
1724	A refined regional modeling approach for the Corn Belt \hat{a} Experiences and recommendations for large-scale integrated modeling. Journal of Hydrology, 2015, 524, 348-366.	2.3	48
1725	Integrating statistical and hydrological models to identify implementation sites for agricultural conservation practices. Environmental Modelling and Software, 2015, 72, 327-340.	1.9	16
1726	Evaluation of SWAT models performance to simulate streamflow spatial origin. The case of a small forested watershed. Journal of Hydrology, 2015, 525, 326-334.	2.3	66
1727	Glacier changes and their impacts on the discharge in the past half-century in Tekes watershed, Central Asia. Physics and Chemistry of the Earth, 2015, 89-90, 96-103.	1.2	12
1728	Chance-constrained overland flow modeling for improving conceptual distributed hydrologic simulations based on scaling representation of sub-daily rainfall variability. Science of the Total Environment, 2015, 524-525, 8-22.	3.9	4
1729	Hydrologic and water-quality impacts of agricultural land use changes incurred from bioenergy policies. Journal of Hydrology, 2015, 525, 429-440.	2.3	24
1730	Watershed water circle dynamics during long term farmland conversion in freeze-thawing area. Journal of Hydrology, 2015, 523, 555-562.	2.3	18
1731	Integrated SWAT model and statistical downscaling for estimating streamflow response to climate change in the Lake Dianchi watershed, China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1193-1210.	1.9	38
1732	Spatio-temporal assessment of vulnerability to drought. Natural Hazards, 2015, 76, 443-469.	1.6	51
1733	Flood hazard assessment in the Kujukuri Plain of Chiba Prefecture, Japan, based on GIS and multicriteria decision analysis. Natural Hazards, 2015, 78, 105-120.	1.6	69
1734	Geospatial and hydrological modeling to assess hydropower potential zones and site location over rainfall dependent Inland catchment. Water Resources Management, 2015, 29, 2875-2894.	1.9	18
1735	Comparison of Semi-Distributed, GIS-Based Hydrological Models for the Prediction of Streamflow in a Large Catchment. Water Resources Management, 2015, 29, 3095-3110.	1.9	30
1736	Modelling the effects of land-use change on runoff and sediment yield in the Weicheng River watershed, Southwest China. Journal of Mountain Science, 2015, 12, 434-445.	0.8	10
1737	Contribution of meteorological input in calibrating a distributed hydrologic model in a watershed in the Tianshan Mountains, China. Environmental Earth Sciences, 2015, 74, 2413-2424.	1.3	17

#	Article	IF	CITATIONS
1738	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
1739	Projected hydrologic changes in monsoon-dominated Himalaya Mountain basins with changing climate and deforestation. Journal of Hydrology, 2015, 525, 216-230.	2.3	44
1740	Evaluation of stream water quality data generated from MODIS images in modeling total suspended solid emission to a freshwater lake. Science of the Total Environment, 2015, 523, 170-177.	3.9	29
1741	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
1742	A modeling approach to evaluate the impact of conservation practices on water and sediment yield in Sasumua Watershed, Kenya. Journal of Soils and Water Conservation, 2015, 70, 75-90.	0.8	20
1743	Resource assessment and strategic planning for improvement of water supply to Shimla city in India using geo-spatial techniques. Egyptian Journal of Remote Sensing and Space Science, 2015, 18, 85-97.	1.1	7
1744	Water and nonpoint source pollution estimation in the watershed with limited data availability based on hydrological simulation and regression model. Environmental Science and Pollution Research, 2015, 22, 14095-14103.	2.7	20
1745	Orders of magnitude increase in soil erosion associated with land use change from native to cultivated vegetation in a Brazilian savannah environment. Earth Surface Processes and Landforms, 2015, 40, 1524-1532.	1.2	70
1746	The precipitation driven correlation based mapping method (PCM) for identifying the critical source areas of non-point source pollution. Journal of Hydrology, 2015, 524, 100-110.	2.3	67
1747	Hybrid modelling approach to prairie hydrology: fusing data-driven and process-based hydrological models. Hydrological Sciences Journal, 2015, 60, 1473-1489.	1.2	37
1748	Response of runoff to climate change in the Wei River basin, China. Hydrological Sciences Journal, 2015, 60, 508-522.	1.2	36
1749	Assessment of the different sources of uncertainty in a SWAT model ofÂthe River Senne (Belgium). Environmental Modelling and Software, 2015, 68, 129-146.	1.9	69
1750	Numerical Modeling of Rainfall-Generated Overland Flow Using Nonlinear Shallow-Water Equations. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	35
1751	Complex Adaptive Modeling Framework for Evaluating Adaptive Demand Management for Urban Water Resources Sustainability. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	30
1752	Entropy theory based multi-criteria resampling of rain gauge networks for hydrological modelling – A case study of humid area in southern China. Journal of Hydrology, 2015, 525, 138-151.	2.3	67
1753	Optimizing water resources management in large river basins with integrated surface waterâ€groundwater modeling: A surrogateâ€based approach. Water Resources Research, 2015, 51, 2153-2173.	1.7	76
1754	Large-Scale Hydrological Modeling for Calculating Water Stress Indices: Implications of Improved Spatiotemporal Resolution, Surface-Groundwater Differentiation, and Uncertainty Characterization. Environmental Science & Env	4.6	30
1755	Factors controlling the long-term temporal and spatial patterns of nitrate-nitrogen export in a dairy farming watershed. Environmental Monitoring and Assessment, 2015, 187, 206.	1.3	6

#	Article	IF	CITATIONS
1756	Sensitivity analysis of SWAT nitrogen simulations with and without in-stream processes. Archives of Agronomy and Soil Science, 2015, 61, 969-987.	1.3	11
1757	Advances in water resources assessment with SWATâ€"an overview. Hydrological Sciences Journal, 0, , 1-13.	1.2	76
1758	Identification of the best multi-model combination for simulating river discharge. Journal of Hydrology, 2015, 525, 313-325.	2.3	43
1759	A continental-scale hydrology and water quality model for Europe: Calibration and uncertainty of a high-resolution large-scale SWAT model. Journal of Hydrology, 2015, 524, 733-752.	2.3	1,136
1760	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
1761	Modeling suspended sediment transport and assessing the impacts of climate change in a karstic Mediterranean watershed. Science of the Total Environment, 2015, 538, 288-297.	3.9	63
1762	Watershed derived nutrients for Lake Ontario inflows: Model calibration considering typical land operations in Southern Ontario. Journal of Great Lakes Research, 2015, 41, 1037-1051.	0.8	10
1763	A model integration framework for linking SWAT and MODFLOW. Environmental Modelling and Software, 2015, 73, 103-116.	1.9	123
1764	Setting up a hydrological model of Alberta: Data discrimination analyses prior to calibration. Environmental Modelling and Software, 2015, 74, 48-65.	1.9	71
1765	Detection of dominant nitrate processes in ecohydrological modeling with temporal parameter sensitivity analysis. Ecological Modelling, 2015, 314, 62-72.	1.2	21
1766	Evaluating the influence of spatial resolutions of DEM on watershed runoff and sediment yield using SWAT. Journal of Earth System Science, 2015, 124, 1517-1529.	0.6	38
1767	Water-Related Ecosystem Services – The Case Study of Regulating Ecosystem Services in the Kielstau Basin, Germany. , 2015, , 215-232.		1
1768	Assessing the Impact of Land-Use Changes on Providing Hydrological Ecosystem Functions (ESF) and Services (ESS) – A Case-Study Experience Based Conceptual Framework. , 2015, , 181-200.		0
1769	Estimating the effects of potential climate and land use changes on hydrologic processes of a large agriculture dominated watershed. Journal of Hydrology, 2015, 529, 418-429.	2.3	108
1770	Costâ€Effective Placement of Best Management Practices in a Watershed: Lessons Learned from Conservation Effects Assessment Project. Journal of the American Water Resources Association, 2015, 51, 359-372.	1.0	30
1771	Assessing BMP Effectiveness and Guiding BMP Planning Using Processâ€Based Modeling. Journal of the American Water Resources Association, 2015, 51, 343-358.	1.0	16
1772	Impacts of climate change on hydrological regime and water resources management of the Koshi River Basin, Nepal. Journal of Hydrology: Regional Studies, 2015, 4, 502-515.	1.0	112
1773	Utilizing intensive monitoring and simulations for identifying sources of phosphorus and sediment and for directing, siting, and assessing BMPs: The Genesee River example. Journal of Great Lakes Research, 2015, 41, 743-759.	0.8	11

#	Article	IF	CITATIONS
1774	Assessing the long-term impact of urbanization on run-off using a remote-sensing-supported hydrological model. International Journal of Remote Sensing, 2015, 36, 5336-5352.	1.3	11
1775	The Water Metabolism of Socioâ€Ecological Systems: Reflections and a Conceptual Framework. Journal of Industrial Ecology, 2015, 19, 853-865.	2.8	30
1776	Estimation of groundwater recharge and its relation to land degradation: case study of a semi-arid river basin in Iran. Environmental Earth Sciences, 2015, 74, 6791-6803.	1.3	16
1777	Assessing flow regime alterations in a temporary river – the River Celone case study. Journal of Hydrology and Hydromechanics, 2015, 63, 263-272.	0.7	14
1778	Ranking of conceptualized groundwater models based on model information criteria. Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 670-687.	0.6	2
1779	Modelling climate change impacts on the hydrology of an agricultural watershed in southern Québec. Canadian Water Resources Journal, 2015, 40, 71-86.	0.5	13
1780	Land use/land cover water quality nexus: quantifying anthropogenic influences on surface water quality. Environmental Monitoring and Assessment, 2015, 187, 424.	1.3	58
1781	Improved Simulation of Peak Flows under Climate Change: Postprocessing or Composite Objective Calibration?. Journal of Hydrometeorology, 2015, 16, 2187-2208.	0.7	20
1782	Impacts of climate and land use changes on the hydrological and erosion processes of two contrasting Mediterranean catchments. Science of the Total Environment, 2015, 538, 64-77.	3.9	166
1783	Improved SCS-CN Method Based on Storage and Depletion of Antecedent Daily Precipitation. Water Resources Management, 2015, 29, 4753-4765.	1.9	24
1784	Effect of land use change on runoff and sediment yield in Da River Basin of Hoa Binh province, Northwest Vietnam. Journal of Mountain Science, 2015, 12, 1051-1064.	0.8	43
1785	The role of water nitrogen retention in integrated nutrient management: assessment in a large basin using different modelling approaches. Environmental Research Letters, 2015, 10, 065008.	2.2	58
1786	Design and integration of a GIS-based data model for the regional hydrologic simulation in Meijiang watershed, China. Environmental Earth Sciences, 2015, 74, 7147-7158.	1.3	8
1787	Hydrological Stream Flow Modelling for Calibration and Uncertainty Analysis Using SWAT Model in the Xedone River Basin, Lao PDR. Procedia Environmental Sciences, 2015, 28, 380-390.	1.3	81
1788	An independent and combined effect analysis of land use and climate change in the upper Rhone River watershed, Switzerland. Applied Geography, 2015, 63, 264-272.	1.7	37
1789	Characterization of trends in reservoir storage, streamflow, and precipitation in the Canadian River watershed in New Mexico and Texas. Lake and Reservoir Management, 2015, 31, 64-79.	0.4	7
1790	Hydrological and pesticide transfer modeling in a tropical volcanic watershed with the WATPPASS model. Journal of Hydrology, 2015, 529, 909-927.	2.3	17
1791	Simulating soil conservation measures to control soil and nutrient losses in a small, vineyard dominated, basin. Agriculture, Ecosystems and Environment, 2015, 213, 194-208.	2.5	51

#	Article	IF	CITATIONS
1792	Whole-farm phosphorus loss from grazing-based dairy farms. Agricultural Systems, 2015, 140, 40-47.	3.2	6
1793	Multi-site identification of a distributed hydrological nitrogen model using Bayesian uncertainty analysis. Journal of Hydrology, 2015, 529, 940-950.	2.3	28
1794	Increasing dissolved nitrogen and phosphorus export by the Pearl River (Zhujiang): a modeling approach at the sub-basin scale to assess effective nutrient management. Biogeochemistry, 2015, 125, 221-242.	1.7	52
1795	Daily disaggregation of simulated monthly flows using different rainfall datasets in southern Africa. Journal of Hydrology: Regional Studies, 2015, 4, 153-171.	1.0	18
1796	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
1797	Exploring, exploiting and evolving diversity of aquatic ecosystem models: a community perspective. Aquatic Ecology, 2015, 49, 513-548.	0.7	97
1798	Hydrological impacts of climate and landâ€use changes in a mountain watershed: uncertainty estimation based on model comparison. Ecohydrology, 2015, 8, 1396-1416.	1.1	70
1799	Scarcity and environmental quality in river hydrological basins. Desalination and Water Treatment, 2015, 55, 2364-2368.	1.0	2
1800	Identification of Critical Erosion Watersheds for Control Management in Data Scarce Condition Using the SWAT Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	14
1801	Hydrologic Modeling of Flow through Sinkholes Located in Streambeds of Cane Run Stream, Kentucky. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	24
1802	A new parallel framework of distributed SWAT calibration. Journal of Arid Land, 2015, 7, 122-131.	0.9	7
1803	The comparative study of multiâ€site uncertainty evaluation method based on SWAT model. Hydrological Processes, 2015, 29, 2994-3009.	1.1	30
1804	Water and sediment transport modeling of a large temporary river basin in Greece. Science of the Total Environment, 2015, 508, 354-365.	3.9	44
1805	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. Water Resources Management, 2015, 29, 1467-1487.	1.9	18
1806	How well can we model stream phosphorus concentrations in agricultural catchments?. Environmental Modelling and Software, 2015, 64, 31-46.	1.9	31
1807	Integration of hydrologic and water allocation models in basin-scale water resources management considering crop pattern and climate change: Karkheh River Basin in Iran. Regional Environmental Change, 2015, 15, 475-484.	1.4	61
1808	Evaluating the impacts of climate change and switchgrass production on a semiarid basin. Hydrological Processes, 2015, 29, 724-738.	1.1	13
1809	Development of a new downscaling method for hydrologic assessment of climate change impacts in data scarce regions and its application in the Western Ghats, India. Regional Environmental Change, 2015, 15, 435-447.	1.4	18

#	Article	IF	CITATIONS
1810	The effects of climate and changing land use on the discharge regime of a small catchment in Tanzania. Regional Environmental Change, 2015, 15, 1269-1280.	1.4	38
1811	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
1812	Simulation of stream flow components in a mountainous catchment in northern Thailand with SWAT, using the ANSELM calibration approach. Hydrological Processes, 2015, 29, 1340-1352.	1.1	19
1813	Modelling sediment and total phosphorus export from a lowland catchment: comparing sediment routing methods. Hydrological Processes, 2015, 29, 280-294.	1.1	18
1814	The Hydrological Status Concept: Application at a Temporary River (Candelaro, Italy). River Research and Applications, 2015, 31, 892-903.	0.7	39
1815	Impact of landscape pattern at multiple spatial scales on water quality: A case study in a typical urbanised watershed in China. Ecological Indicators, 2015, 48, 417-427.	2.6	181
1816	Impacts of land use changes on hydrological components and macroinvertebrate distributions in the Poyang lake area. Ecohydrology, 2015, 8, 1119-1136.	1.1	31
1817	Human-Induced Runoff Change in Northeast China. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	17
1818	Impacts of land-use and climate variability on hydrological components in the Johor River basin, Malaysia. Hydrological Sciences Journal, 2015, , 1-17.	1.2	60
1819	Using SWAT for sub-field identification of phosphorus critical source areas in a saturation excess runoff region. Hydrological Sciences Journal, 0, , 1-19.	1.2	19
1820	Perennial rhizomatous grasses as bioenergy feedstock in SWAT: parameter development and model improvement. GCB Bioenergy, 2015, 7, 1185-1202.	2.5	56
1821	Application of the SWAT hydrologic model to a tropical watershed at Brazil. Catena, 2015, 125, 206-213.	2.2	84
1822	Drivers influencing streamflow changes in the Upper Turia basin, Spain. Science of the Total Environment, 2015, 503-504, 258-268.	3.9	37
1823	Simulating the impacts of bio-fuel crop production on nonpoint source pollution in the Upper Mississippi River Basin. Ecological Engineering, 2015, 74, 223-229.	1.6	10
1824	Modeling surface water-groundwater interaction in arid and semi-arid regions with intensive agriculture. Environmental Modelling and Software, 2015, 63, 170-184.	1.9	141
1825	Regional scale cropland carbon budgets: Evaluating a geospatial agricultural modeling system using inventory data. Environmental Modelling and Software, 2015, 63, 199-216.	1.9	55
1826	Identifying non-point source priority management areas in watersheds with multiple functional zones. Water Research, 2015, 68, 563-571.	5.3	99
1827	Application of Multicriteria Decision Analysis with A Priori Knowledge to Identify Optimal Nonpoint Source Pollution Control Plans. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	12

#	Article	IF	CITATIONS
1828	Simulating spatiotemporal variability of blue and green water resources availability with uncertainty analysis. Hydrological Processes, 2015, 29, 1942-1955.	1,1	58
1829	Modelling spatial distribution of surface runoff and sediment yield in a Chinese river basin without continuous sediment monitoring. Hydrological Sciences Journal, 0, , 1-24.	1.2	7
1830	Evaluating uncertainty estimates in distributed hydrological modeling for the Wenjing River watershed in China by GLUE, SUFI-2, and ParaSol methods. Ecological Engineering, 2015, 76, 110-121.	1.6	121
1831	Application of SVM and SWAT models for monthly streamflow prediction, a case study in South of Iran. KSCE Journal of Civil Engineering, 2015, 19, 345-357.	0.9	46
1832	Impacts of climate change on water resources in the Mediterranean Basin: a case study in Catalonia, Spain. Hydrological Sciences Journal, 2015, 60, 2132-2147.	1.2	42
1833	Assessing the impact of agricultural pressures on N and P loads and eutrophication risk. Ecological Indicators, 2015, 48, 396-407.	2.6	165
1834	Application of the SWAT model to assess the impact of changes in agricultural management practices on water quality. Hydrological Sciences Journal, 0, , 1-19.	1.2	21
1835	Modelâ€Based Characterization and Monitoring of Runoff and Soil Erosion in Response to Land Use/land Cover Changes in the Modjo Watershed, Ethiopia. Land Degradation and Development, 2015, 26, 711-724.	1.8	190
1836	Monitoring runoff from cattle-grazed pastures for a phosphorus loss quantification tool. Agriculture, Ecosystems and Environment, 2015, 199, 124-131.	2.5	36
1837	The effect of subarctic conditions on water resources: initial results and limitations of the SWAT model applied to the Kharaa River Basin in Northern Mongolia. Environmental Earth Sciences, 2015, 73, 581-592.	1.3	28
1838	Regional changes in nitrate loadings in the Upper Mississippi River Basin under predicted mid-century climate. Regional Environmental Change, 2015, 15, 449-460.	1.4	33
1839	Projections of climate change impacts on floods and droughts in Germany using an ensemble of climate change scenarios. Regional Environmental Change, 2015, 15, 461-473.	1.4	62
1840	Hybrid ACO–ANN-Based Multi-objective Simulation–Optimization Model for Pollutant Load Control at Basin Scale. Environmental Modeling and Assessment, 2015, 20, 29-39.	1.2	26
1841	Soil and Water Assessment Tool Soil Loss Simulation at the Subâ€Basin Scale in the Alt Penedès–Anoia Vineyard Region (Ne Spain) in the ⟨scp⟩2000s⟨/scp⟩. Land Degradation and Development, 2016, 27, 160-170.	1.8	36
1842	Identifying Efficient Nitrate Reduction Strategies in the Upper Danube. Water (Switzerland), 2016, 8, 371.	1.2	10
1843	Case Study: Effect of Climatic Characterization on River Discharge in an Alpine-Prealpine Catchment of the Spanish Pyrenees Using the SWAT Model. Water (Switzerland), 2016, 8, 471.	1.2	6
1844	Probabilistic approach to modeling under changing scenarios. , 2016, , .		0
1845	Modelling the Contribution of Land Use to Nitrate Yield from a Rural Catchment. , 0, , .		2

#	Article	IF	CITATIONS
1846	Evaluation of the effect of climate and land use changes on hydrologic processes in the Salt River Basin, Missouri, United States. , 2016 , , .		0
1847	Potential Impact of Climate Change on Suspended Sediment Yield in NW Spain: A Case Study on the Corbeira Catchment. Water (Switzerland), 2016, 8, 444.	1.2	25
1848	Impacts of climate change under CMIP5 RCP scenarios on the streamflow in the Dinder River and ecosystem habitats in Dinder National Park, Sudan. Hydrology and Earth System Sciences, 2016, 20, 1331-1353.	1.9	47
1849	Comparing CFSR and conventional weather data for discharge and soil loss modelling with SWAT in small catchments in the Ethiopian Highlands. Hydrology and Earth System Sciences, 2016, 20, 921-934.	1.9	59
1850	Assessment of impacts of agricultural and climate change scenarios on watershed water quantity and quality, and crop production. Hydrology and Earth System Sciences, 2016, 20, 3325-3342.	1.9	34
1851	Water erosion vulnerability and sediment delivery rate in upper Iguaçu river basin – Paraná. Revista Brasileira De Recursos Hidricos, 2016, 21, 728-741.	0.5	5
1852	A Watershed Level Economic Analysis of Cellulosic Biofuel Feedstock Production with Consideration of Water Quality. Sustainable Agriculture Research, 2016, 5, 56.	0.2	2
1853	Impact of Climate Change on Hydrologic Extremes in the Upper Basin of the Yellow River Basin of China. Advances in Meteorology, 2016, 2016, 1-13.	0.6	12
1854	Sediment concentration rating curves for a monsoonal climate: upper Blue Nile. Soil, 2016, 2, 337-349.	2.2	23
1855	Soil Erosion Assessment of the Poyang Lake Basin, China: Using USLE, GIS and Remote Sensing. Journal of Remote Sensing & GIS, 2016, 5, .	0.3	5
1856	Sensitivity and uncertainty analysis on water quality modelling of Aguamilpa reservoir. Journal of Limnology, 2016, 75, .	0.3	5
1857	Dominant climatic factors driving annual runoff changes at the catchment scale across China. Hydrology and Earth System Sciences, 2016, 20, 2573-2587.	1.9	34
1858	Integrated water system simulation by considering hydrological and biogeochemical processes: model development, with parameter sensitivity and autocalibration. Hydrology and Earth System Sciences, 2016, 20, 529-553.	1.9	42
1859	INFLUENCE OF LAND USE CHANGE ON SEDIMENT YIELD: A CASE STUDY OF THE SUB-MIDDLE OF THE SÃfO Francisco River Basin. Engenharia Agricola, 2016, 36, 1005-1015.	0.2	23
1860	A pre-calibration approach to select optimum inputs for hydrological models in data-scarce regions. Hydrology and Earth System Sciences, 2016, 20, 4391-4407.	1.9	12
1861	Multi-Criteria Framework to Assess Large Scale Water Resources Policy Measures. Water (Switzerland), 2016, 8, 370.	1.2	5
1862	Investigating Alternative Climate Data Sources for Hydrological Simulations in the Upstream of the Amu Darya River. Water (Switzerland), 2016, 8, 441.	1.2	28
1863	Assessment of the Impacts of Global Climate Change and Regional Water Projects on Streamflow Characteristics in the Geum River Basin in Korea. Water (Switzerland), 2016, 8, 91.	1.2	17

#	Article	IF	CITATIONS
1864	Technical Note: The impact of spatial scale in bias correction of climate model output for hydrologic impact studies. Hydrology and Earth System Sciences, 2016, 20, 685-696.	1.9	7
1865	Development of Ecogeomorphological (EGM) Stream Design and Assessment Tools for the Piedmont of Alabama, USA. Water (Switzerland), 2016, 8, 161.	1.2	2
1866	Hydrological simulation as subside for management of surface water resources at the Mortes River Basin. Ciencia E Agrotecnologia, 2016, 40, 390-404.	1.5	6
1867	Hydrological Modeling of Tributaries of Cantareira System, Southeast Brazil, with the Swat Model. Engenharia Agricola, 2016, 36, 1037-1049.	0.2	13
1868	DEM Resolution Impact on the Estimation of the Physical Characteristics of Watersheds by Using SWAT. Advances in Civil Engineering, 2016, 2016, 1-9.	0.4	28
1869	Long-Term Simulation of Daily Streamflow Using Radar Rainfall and the SWAT Model: A Case Study of the Gamcheon Basin of the Nakdong River, Korea. Advances in Meteorology, 2016, 2016, 1-12.	0.6	9
1870	Agricultural watershed modeling: a review for hydrology and soil erosion processes. Ciencia E Agrotecnologia, 2016, 40, 7-25.	1.5	38
1871	A New Temperature-Vegetation Triangle Algorithm with Variable Edges (TAVE) for Satellite-Based Actual Evapotranspiration Estimation. Remote Sensing, 2016, 8, 735.	1.8	14
1872	Impacts of Climate and Land Use/Cover Change on Streamflow Using SWAT and a Separation Method for the Xiying River Basin in Northwestern China. Water (Switzerland), 2016, 8, 192.	1.2	36
1873	Respuesta hidrol \tilde{A}^3 gica de una cuenca de meso escala frente a futuros escenarios de expansi \tilde{A}^3 n forestal. Revista De Geografia Norte Grande, 2016, , 197-214.	0.1	13
1874	Multi-Site Validation of the SWAT Model on the Bani Catchment: Model Performance and Predictive Uncertainty. Water (Switzerland), 2016, 8, 178.	1.2	59
1875	Rationalization of Altitudinal Precipitation Profiles in a Data-Scarce Glacierized Watershed Simulation in the Karakoram. Water (Switzerland), 2016, 8, 186.	1.2	8
1876	Development of Dynamic Ground Water Data Assimilation for Quantifying Soil Hydraulic Properties from Remotely Sensed Soil Moisture. Water (Switzerland), 2016, 8, 311.	1.2	4
1877	Quantitative Detection and Attribution of Runoff Variations in the Aksu River Basin. Water (Switzerland), 2016, 8, 338.	1.2	16
1878	Water Age Responses to Weather Conditions in a Hyper-Eutrophic Channel Reservoir in Southern China. Water (Switzerland), 2016, 8, 372.	1.2	6
1879	Assessment of Climate Change Impact on Reservoir Inflows Using Multi Climate-Models under RCPsâ€"The Case of Mangla Dam in Pakistan. Water (Switzerland), 2016, 8, 389.	1.2	42
1880	Runoff Simulation in the Upper Reaches of Heihe River Basin Based on the RIEMS–SWAT Model. Water (Switzerland), 2016, 8, 455.	1.2	9
1881	Assessing Variation in Water Balance Components in Mountainous Inland River Basin Experiencing Climate Change. Water (Switzerland), 2016, 8, 472.	1.2	30

#	Article	IF	CITATIONS
1882	The Mitigation Potential of Buffer Strips for Reservoir Sediment Yields: The Itumbiara Hydroelectric Power Plant in Brazil. Water (Switzerland), 2016, 8, 489.	1.2	7
1883	Hydrological Responses to Land Use/Cover Changes in the Olifants Basin, South Africa. Water (Switzerland), 2016, 8, 588.	1.2	92
1884	A Review and Discussion on Modeling and Assessing Agricultural Best Management Practices under Global Climate Change. Journal of Sustainable Development, 2016, 9, 245.	0.1	7
1885	Mapping of Primary Soil Properties Using Optical Visible and Near Infrared (Vis-NIR) Remote Sensing. , 2016, , 1-35.		10
1886	Climate Change Impacts on the Hydrological Processes of a Small Agricultural Watershed. Climate, 2016, 4, 56.	1.2	29
1887	Internal Stress Monitoring of In-Service Structural Steel Members with Ultrasonic Method. Materials, 2016, 9, 223.	1.3	36
1888	Simulation of Sediment Yield in a Semi-Arid River Basin under Changing Land Use: An Integrated Approach of Hydrologic Modelling and Principal Component Analysis. Sustainability, 2016, 8, 1133.	1.6	17
1889	Environmental Systems Simulations for Carbon, Energy, Nitrogen, Water, and Watersheds: Design Principles and Pilot Testing. Journal of Geoscience Education, 2016, 64, 115-124.	0.8	6
1890	Uncertainty assessment of a dominant-process catchment model of dissolved phosphorus transfer. Hydrology and Earth System Sciences, 2016, 20, 4819-4835.	1.9	15
1891	Combined assimilation of streamflow and snow water equivalent for mid-term ensemble streamflow forecasts in snow-dominated regions. Hydrology and Earth System Sciences, 2016, 20, 4375-4389.	1.9	21
1892	Sediment Yield at Catchment Scale Using the SWAT (Soil and Water Assessment Tool) Model. Soil Science, 2016, 181, 326-334.	0.9	9
1893	Estimating Evapotranspiration for Dryland Cropping Systems in the Semiarid Texas High Plains Using		

#	Article	IF	CITATIONS
1900	Estimating irrigation inputs for distributed hydrological modelling: a case study from an irrigated catchment in southeast Australia. Hydrological Processes, 2016, 30, 1824-1835.	1.1	13
1901	Incorporating landscape depression heterogeneity into the Soil and Water Assessment Tool (SWAT) using a probability distribution. Hydrological Processes, 2016, 30, 2373-2389.	1.1	40
1902	Spatio-temporal patterns of soil erosion and suspended sediment dynamics in the Mekong River Basin. Science of the Total Environment, 2016, 568, 933-945.	3.9	37
1903	Comparison of CMIP3 and CMIP5 projected hydrologic conditions over the Upper Colorado River Basin. International Journal of Climatology, 2016, 36, 3807-3818.	1.5	25
1904	A comparative performance analysis of three standardized climatic drought indices in the Chi River basin, Thailand. Agriculture and Natural Resources, 2016, 50, 211-219.	0.4	64
1905	Design and implementation of a general software library for using NSGA-II with SWAT for multi-objective model calibration. Environmental Modelling and Software, 2016, 84, 112-120.	1.9	44
1906	Discrete principalâ€monotonicity inference for hydroâ€system analysis under irregular nonlinearities, data uncertainties, and multivariate dependencies. Part I: methodology development. Hydrological Processes, 2016, 30, 4255-4272.	1.1	25
1907	Identifying model consistency through stepwise calibration to capture streamflow variability. Environmental Modelling and Software, 2016, 84, 1-17.	1.9	9
1908	On characterizing the temporal dominance patterns of model parameters and processes. Hydrological Processes, 2016, 30, 2255-2270.	1.1	43
1909	Delineating floodplain and upland areas for hydrologic models: a comparison of methods. Hydrological Processes, 2016, 30, 4367-4383.	1.1	17
1910	Using conservation auctions informed by environmental performance models to reduce agricultural nutrient flows into Lake Erie. Journal of Great Lakes Research, 2016, 42, 1357-1371.	0.8	29
1911	Utilization of Historical Maps in the Land Use Change Impact Studies: A Case Study from Myjava River Basin. Slovak Journal of Civil Engineering, 2016, 24, 15-26.	0.2	17
1912	Simulation of non-point source pollution load in the Xiangtan Stream basin through swat model. , 2016, , .		0
1913	Calibration and validation of SWAT model for estimating water balance and nitrogen losses in a small agricultural watershed in central Poland. Journal of Water and Land Development, 2016, 29, 31-47.	0.9	16
1914	Assessing differences in snowmelt-dependent hydrologic projections using CMIP3 and CMIP5 climate forcing data for the western United States. Hydrology Research, 2016, 47, 483-500.	1.1	25
1915	Trade-offs and Synergies Between Provisioning and Regulating Ecosystem Services in a Mountain Area in Portugal Affected by Landscape Change. Mountain Research and Development, 2016, 36, 452-464.	0.4	51
1916	A sod-based cropping system for irrigation reductions. Renewable Agriculture and Food Systems, 2016, 31, 485-494.	0.8	6
1917	A SWAT modeling approach to assess the impact of climate change on consumptive water use in Lower Chenab Canal area of Indus basin. Hydrology Research, 2016, 47, 1025-1037.	1.1	37

#	Article	IF	Citations
1918	The <i>Cladophora </i> resurgence in Lake Ontario: characterization and implications for management. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 999-1013.	0.7	28
1919	Modeling future changes in the North-Estonian hydropower production by using SWAT. Hydrology Research, 2016, 47, 835-846.	1.1	18
1920	Uncertainty analysis for an effluent trading system in a typical nonpoint-sources-polluted watershed. Scientific Reports, 2016, 6, 29398.	1.6	3
1921	Assessing the Impact of Climate Change on Sediment Loads in a Large Mediterranean Watershed. Soil Science, 2016, 181, 306-314.	0.9	9
1922	Integrated water management plan for Shimla City in India using geospatial techniques. Water Science and Technology: Water Supply, 2016, 16, 641-652.	1.0	6
1923	Modeling of river flow rate as a function of rainfall and temperature using response surface methodology based on historical time series. Journal of Hydroinformatics, 2016, 18, 651-665.	1.1	11
1924	Making the leap from science to implementation: Strategic agricultural conservation in Michigan's Saginaw Bay watershed. Journal of Great Lakes Research, 2016, 42, 1372-1385.	0.8	30
1925	How much conservation is enough? Defining implementation goals for healthy fish communities in agricultural rivers. Journal of Great Lakes Research, 2016, 42, 1302-1321.	0.8	28
1926	Integration of soil hydraulic characteristics derived from pedotransfer functions into hydrological models: evaluation of its effects on simulation uncertainty. Hydrology Research, 2016, 47, 964-978.	1.1	9
1927	Model analysis of check dam impacts on long-term sediment and water budgets in Southeast Arizona, USA. Ecohydrology and Hydrobiology, 2016, 16, 125-137.	1.0	36
1928	Evaluation of potential evapotranspiration assessment methods for hydrological modelling with SWAT—Application in data-scarce rural Tunisia. Agricultural Water Management, 2016, 174, 39-51.	2.4	68
1929	Identification and prioritization of subwatersheds for land and water management in Tekeze dam watershed, Northern Ethiopia. International Soil and Water Conservation Research, 2016, 4, 30-38.	3.0	45
1930	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
1931	Using SWAT for Strategic Planning of Basin Scale Irrigation Control Policies: a Case Study from a Humid Region in Northern Germany. Water Resources Management, 2016, 30, 3285-3298.	1.9	26
1932	Forecasting streamflow response to increased imperviousness in an urbanizing Midwestern watershed using a coupled modeling approach. Applied Geography, 2016, 72, 14-25.	1.7	21
1933	Spatial patterns of sediment dynamics within a medium-sized watershed over an extreme storm event. Geomorphology, 2016, 267, 25-36.	1.1	3
1934	The Utilization of Satellite Imagery Data to Predict Hydrology Characteristics in Dodokan Watershed. Procedia Environmental Sciences, 2016, 33, 36-43.	1.3	7
1935	Managing forest ecosystem services for hydropower production. Environmental Science and Policy, 2016, 61, 221-229.	2.4	23

#	Article	IF	Citations
1936	Comparing two tools for ecosystem service assessments regarding water resources decisions. Journal of Environmental Management, 2016, 177, 331-340.	3.8	88
1937	Sediment yield assessment and identification of check dam sites for Rawal Dam catchment. Arabian Journal of Geosciences, $2016, 9, 1$.	0.6	17
1938	A new soil-temperature module for SWAT application in regions with seasonal snow cover. Journal of Hydrology, 2016, 538, 863-877.	2.3	55
1939	Apportioning riverine DIN load to export coefficients of land uses in an urbanized watershed. Science of the Total Environment, 2016, 560-561, 1-11.	3.9	21
1940	Land Use and Climate Change Impacts on the Hydrology of the Bago River Basin, Myanmar. Environmental Modeling and Assessment, 2016, 21, 819-833.	1.2	25
1941	Badlands: An open-source, flexible and parallel framework to study landscape dynamics. Computers and Geosciences, 2016, 91, 77-89.	2.0	51
1942	Sensitivity of DEM, slope, aspect and watershed attributes to LiDAR measurement uncertainty. Remote Sensing of Environment, 2016, 179, 23-35.	4.6	35
1943	Methods to estimate plant available water for simulation models. Agricultural Water Management, 2016, 175, 72-77.	2.4	5
1944	Hydrological responses of land use change from cotton (<i>GossypiumÂhirsutum L</i> .) to cellulosic bioenergy crops in the Southern High Plains of Texas, <scp>USA</scp> . GCB Bioenergy, 2016, 8, 981-999.	2.5	23
1945	Assessing drought threats to agricultural water supplies under climate change by combining the SWAT and MODSIM models for the Geum River basin, South Korea. Hydrological Sciences Journal, 2016, 61, 2740-2753.	1.2	45
1946	Modification of SWAT auto-calibration for accurate flow estimation at all flow regimes. Paddy and Water Environment, 2016, 14, 499-508.	1.0	4
1947	A balanced calibration of water quantity and quality by multi-objective optimization for integrated water system model. Journal of Hydrology, 2016, 538, 802-816.	2.3	23
1948	Streamflow prediction uncertainty analysis and verification of SWAT model in a tropical watershed. Environmental Earth Sciences, 2016, 75, 1.	1.3	34
1949	Evaluating the impacts of soil data on hydrological and nonpoint source pollution prediction. Science of the Total Environment, 2016, 563-564, 19-28.	3.9	21
1950	Grass and Forest Potential Evapotranspiration Comparison Using Five Methods in the Atlantic Coastal Plain. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	18
1951	Conservation Reserve Program (CRP) lands provide ecosystem service benefits that exceed land rental payment costs. Ecosystem Services, 2016, 18, 175-185.	2.3	62
1952	Impacts of climate change on streamflows under RCP scenarios: A case study in Xin River Basin, China. Atmospheric Research, 2016, 178-179, 521-534.	1.8	152
1953	Land use can offset climate change induced increases in erosion in Mediterranean watersheds. Catena, 2016, 143, 244-255.	2.2	34

#	Article	IF	Citations
1954	Application of Integrated Hydrologic and River Basin Management Modeling for the Optimal Development of a Multi-Purpose Reservoir Project. Water Resources Management, 2016, 30, 3143-3157.	1.9	18
1955	Agent-based modelling of cholera diffusion. Stochastic Environmental Research and Risk Assessment, 2016, 30, 2079-2095.	1.9	11
1956	Hydrologic evaluation of the curve number and Green and Ampt infiltration methods by applying Hooghoudt and Kirkham tile drain equations using SWAT. Journal of Hydrology, 2016, 537, 311-321.	2.3	28
1957	Evaluation of climate modeling factors impacting the variance of streamflow. Journal of Hydrology, 2016, 542, 125-142.	2.3	21
1958	Curve number estimation from Brazilian Cerrado rainfall and runoff data. Journal of Soils and Water Conservation, 2016, 71, 420-429.	0.8	40
1959	Assessing an Enhanced Version of SWAT on Water Quantity and Quality Simulation in Regions with Seasonal Snow Cover. Water Resources Management, 2016, 30, 5021-5037.	1.9	26
1960	Where are the limits of model predictive capabilities?. Hydrological Processes, 2016, 30, 4956-4965.	1.1	13
1961	Assessment of changes in riverine nitrate in the Sesan, Srepok and Sekong tributaries of the Lower Mekong River Basin. Journal of Hydrology: Regional Studies, 2016, 8, 95-111.	1.0	26
1962	Thinking outside of the lake: Can controls on nutrient inputs into Lake Erie benefit stream conservation in its watershed?. Journal of Great Lakes Research, 2016, 42, 1322-1331.	0.8	34
1963	Exploring the potential role of public drain managers in motivating agricultural conservation practices. Journal of Great Lakes Research, 2016, 42, 1386-1394.	0.8	6
1964	Flood Risk and Vulnerability of Addis Ababa City Due to Climate Change and Urbanization. Procedia Engineering, 2016, 154, 696-702.	1.2	48
1965	Badlands: A parallel basin and landscape dynamics model. SoftwareX, 2016, 5, 195-202.	1.2	34
1966	Spatial and temporal changes in flood hazard potential at coastal lowland area: a case study in the Kujukuri Plain, Japan. Natural Hazards, 2016, 84, 1513-1527.	1.6	7
1967	Water Quality Changes Associated with Cassava Production: Case Study of White Volta Basin. Heliyon, 2016, 2, e00149.	1.4	3
1968	Estimating groundwater recharge in the humid and semi-arid African regions: review. Geosciences Journal, 2016, 20, 731-744.	0.6	26
1969	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
1970	Fertilizer placement and application timing as strategies to reduce phosphorus loading to Lake Erie. Journal of Great Lakes Research, 2016, 42, 1281-1288.	0.8	28
1971	SWAT-DayCent coupler: An integration tool for simultaneous hydro-biogeochemical modeling using SWAT and DayCent. Environmental Modelling and Software, 2016, 86, 81-90.	1.9	34

#	Article	IF	CITATIONS
1973	A Sub-Catchment Based Approach for Modelling Nutrient Dynamics and Transport at a River Basin Scale. Water Resources Management, 2016, 30, 5455-5478.	1.9	3
1974	Estimating groundwater dynamics at a Colorado River floodplain site using historical hydrological data and climate information. Water Resources Research, 2016, 52, 1881-1898.	1.7	1
1975	Climate change in the Blue Nile Basin Ethiopia: implications for water resources and sediment transport. Climatic Change, 2016, 139, 229-243.	1.7	45
1976	The Relationship between Soil Moisture and LAI in Different Types of Soil in Central Eastern China. Journal of Hydrometeorology, 2016, 17, 2733-2742.	0.7	22
1977	Coupling the short-term global forecast system weather data with a variable source area hydrologic model. Environmental Modelling and Software, 2016, 86, 68-80.	1.9	15
1978	Collaborative Geodesign to advance multifunctional landscapes. Landscape and Urban Planning, 2016, 156, 71-80.	3.4	38
1979	Evaluation of the Impact of Land Use Change and Climate Change on Watershed Ecosystem Services in the Chenyulan Watershed. , $2016, , .$		0
1980	Evaluation of Land Use, Land Management and Soil Conservation Strategies to Reduce Non-Point Source Pollution Loads in the Three Gorges Region, China. Environmental Management, 2016, 58, 906-921.	1.2	52
1981	Regulators' and stakeholders' perspectives in a framework for bioenergy development. Land Use Policy, 2016, 59, 143-153.	2.5	14
1982	Multispectral satellite mapping of crop residue cover and tillage intensity in Iowa. Journal of Soils and Water Conservation, 2016, 71, 385-395.	0.8	19
1983	GIS-based analysis for hotspot identification of tradeoff between ecosystem services: A case study in Yanhe Basin, China. Chinese Geographical Science, 2016, 26, 466-477.	1.2	36
1984	Determination of unit nutrient loads for different land uses in wet periods through modelling and optimization for a semi-arid region. Journal of Hydrology, 2016, 540, 40-49.	2.3	17
1985	Runoff and sediment yield modeling using SWAT model: case of Wadi Hatab basin, central Tunisia. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	9
1986	An enhanced SWAT wetland module to quantify hydraulic interactions between riparian depressional wetlands, rivers and aquifers. Environmental Modelling and Software, 2016, 84, 263-289.	1.9	38
1987	A spatially distributed model for assessment of the effects of changing land use and climate on urban stream quality. Hydrological Processes, 2016, 30, 4779-4798.	1.1	34
1988	Modeling the effects of controlled drainage at a watershed scale using SWATDRAIN. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	3
1989	Analysing the impact of multiple stressors in aquatic biomonitoring data: A  cookbook' with applications in R. Science of the Total Environment, 2016, 573, 1320-1339.	3.9	153
1990	Regional scale groundwater modelling study for Ganga River basin. Journal of Hydrology, 2016, 541, 727-741.	2.3	38

#	Article	IF	CITATIONS
1991	Spatioâ€temporal variability of water and energy fluxes – a case study for a mesoscale catchment in preâ€alpine environment. Hydrological Processes, 2016, 30, 3804-3823.	1.1	20
1992	A <scp>GIS</scp> Framework for Regional Modeling of Riverine Nitrogen Transport: Case Study, San Antonio and Guadalupe Basins. Journal of the American Water Resources Association, 2016, 52, 1-15.	1.0	17
1993	Dry season streamflow persistence in seasonal climates. Water Resources Research, 2016, 52, 90-107.	1.7	21
1994	Incorporating water quality responses into the framework of best management practices optimization. Journal of Hydrology, 2016, 541, 1363-1374.	2.3	24
1995	Evaluation of precipitation input for SWAT modeling in Alpine catchment: A case study in the Adige river basin (Italy). Science of the Total Environment, 2016, 573, 66-82.	3.9	212
1996	Hydrological Assessment of the 1973 Treaty on the Transboundary Helmand River, Using the SWAT Model and a Global Climate Database. Water Resources Management, 2016, 30, 4681-4694.	1.9	17
1997	Investigation of the Curve Number Method For Surface Runoff Estimation In Tropical Regions. Journal of the American Water Resources Association, 2016, 52, 1155-1169.	1.0	14
1998	Introducing a new open source GIS user interface for the SWAT model. Environmental Modelling and Software, 2016, 85, 129-138.	1.9	149
1999	Resilient Provision of Ecosystem Services from Agricultural Landscapes: Tradeâ€offs Involving Means and Variances of Water Quality Improvements. American Journal of Agricultural Economics, 2016, 98, 1295-1313.	2.4	7
2000	SWAT: Agricultural water and nonpoint source pollution management at a watershed scale. Agricultural Water Management, 2016, 175, 1-3.	2.4	29
2001	Water-related ecosystem services in Western Siberian lowland basinsâ€"Analysing and mapping spatial and seasonal effects on regulating services based on ecohydrological modelling results. Ecological Indicators, 2016, 71, 55-65.	2.6	56
2002	Determining the Adequacy of CFSR Data for Rainfall-Runoff Modeling Using SWAT. Procedia Technology, 2016, 24, 309-316.	1.1	19
2003	Examining runoff generation processes in the Selke catchment in central Germany: Insights from data and semi-distributed numerical model. Journal of Hydrology: Regional Studies, 2016, 7, 38-54.	1.0	15
2005	Large-scale climate change vulnerability assessment of stream health. Ecological Indicators, 2016, 69, 578-594.	2.6	43
2006	Physically based soil erosion and sediment yield models revisited. Catena, 2016, 147, 595-620.	2.2	182
2007	Estimating spatiotemporal variability and sustainability of shallow groundwater in a well-irrigated plain of the Haihe River basin using SWAT model. Journal of Hydrology, 2016, 541, 1221-1240.	2.3	33
2008	An Integrated Approach for Targeting Critical Source Areas to Control Nonpoint Source Pollution in Watersheds. Water Resources Management, 2016, 30, 5087-5100.	1.9	41
2009	Applying a statistical method to streamflow reduction caused by underground mining for coal in the Kuye River basin. Science China Technological Sciences, 2016, 59, 1911-1920.	2.0	8

#	Article	IF	CITATIONS
2010	Assessing sediment yield in Kalaya gauged watershed (Northern Morocco) using GIS and SWAT model. International Soil and Water Conservation Research, 2016, 4, 177-185.	3.0	73
2011	Evaluating potential water quality drivers of a fish regime shift in the Wabash River using the SWAT model. Ecological Modelling, 2016, 340, 116-125.	1.2	13
2012	The impact of land use change on runoff generation in an urbanizing watershed in the north of Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	31
2013	Similarity and difference of global reanalysis datasets (WFD and APHRODITE) in driving lumped and distributed hydrological models in a humid region of China. Journal of Hydrology, 2016, 542, 343-356.	2.3	39
2014	Water security assessment using blue and green water footprint concepts. Journal of Hydrology, 2016, 542, 589-602.	2.3	143
2016	Evaluation of Surface Runoff Estimation in Ungauged Watersheds Using SWAT and GIUH. Procedia Technology, 2016, 24, 109-115.	1.1	9
2017	Combining catchment modelling and sediment fingerprinting to assess sediment dynamics in a Spanish Pyrenean river system. Science of the Total Environment, 2016, 569-570, 1136-1148.	3.9	28
2018	Optimum Multicrop-Pattern Planning by Coupling SWAT and the Harmony Search Algorithm. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, 04016063.	0.6	13
2019	Engaging Stakeholders To Define Feasible and Desirable Agricultural Conservation in Western Lake Erie Watersheds. Environmental Science & Erie Watersheds. Environmental Science & Erie Watersheds. Environmental Science & Erie Watersheds.	4.6	61
2020	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
2021	Impacts of Climate Change on Water Resources in Malawi. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	18
2022	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
2023	Modelling the effect of soil and water conservation on discharge and sediment yield in the upper Blue Nile basin, Ethiopia. Applied Geography, 2016, 73, 89-101.	1.7	30
2024	Moving SWAT model calibration and uncertainty analysis to an enterprise Hadoop-based cloud. Environmental Modelling and Software, 2016, 84, 140-148.	1.9	36
2025	Climate change impacts on irrigated rice and wheat production in Gomti River basin of India: a case study. SpringerPlus, 2016, 5, 1250.	1,2	27
2026	Uncertainty analysis of a spatially-distributed hydrological model with rainfall multipliers. Canadian Journal of Civil Engineering, 2016, 43, 1062-1074.	0.7	7
2027	Demasking the integrated information of discharge: Advancing sensitivity analysis to consider different hydrological components and their rates of change. Water Resources Research, 2016, 52, 8724-8743.	1.7	26
2028	Accounting for the influence of vegetation and landscape improves model transferability in a tropical savannah region. Water Resources Research, 2016, 52, 7999-8022.	1.7	25

#	Article	IF	CITATIONS
2029	Diffuse nutrient losses and the impact factors determining their regional differences in four catchments from North to South China. Journal of Hydrology, 2016, 543, 577-594.	2.3	22
2030	A modeling approach to assess the greenhouse gas risk in Koteshwar hydropower reservoir, India. Human and Ecological Risk Assessment (HERA), 2016, 22, 1651-1664.	1.7	29
2031	Assessment of climate change impacts on water balance components of Heeia watershed in Hawaii. Journal of Hydrology: Regional Studies, 2016, 8, 182-197.	1.0	58
2032	Response of macroinvertebrate communities to temporal dynamics of pesticide mixtures: A case study from the Sacramento River watershed, California. Environmental Pollution, 2016, 219, 89-98.	3.7	31
2033	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
2034	IMPACT ASSESSMENT OF GORKHA EARTHQUAKE 2015 ON PORTABLE WATER SUPPLY IN KATHMANDU VALLEY: PRELIMINARY ANALYSIS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_61-I_66.	0.0	9
2035	Hydrological modelling of wadi Ressoul watershed, Algeria, by HEC-HMS model. Journal of Water and Land Development, 2016, 31, 139-147.	0.9	24
2036	The Optimality of Using Marginal Land for Bioenergy Crops: Tradeoffs between Food, Fuel, and Environmental Services. Agricultural and Resource Economics Review, 2016, 45, 217-245.	0.6	14
2037	Modelling spatially distributed surface runoff generation using SWAT-VSA: a case study in a watershed of the north-west Himalayan landscape. Modeling Earth Systems and Environment, 2016, 2, 1-11.	1.9	42
2038	Evaluation of Alternative Management Practices With the AnnAGNPS Model in the Carapelle Watershed. Soil Science, 2016, 181, 293-305.	0.9	25
2039	Evaluation of Soil Erosion and Sediment Yield From Ridge Watersheds Leading to Guánica Bay, Puerto Rico, Using the Soil and Water Assessment Tool Model. Soil Science, 2016, 181, 315-325.	0.9	9
2040	Simulated future changes of extreme nutrient loads in a mesoscale agricultural watershed in Bavaria / Simulierte zukünftige Änderungen der Extremwerte für NÃĦrstofffrachten in einem mesoskaligen landwirtschaftlichen Einzugsgebiet in Bayern. Bodenkultur, 2016, 67, 77-90.	0.1	1
2041	Hydrological stream flow modeling in the Talar catchment (central section of the Alborz Mountains,) Tj ETQq0 0 0 Development, 2016, 30, 57-69.	0 rgBT /Ov€ 0.9	erlock 10 Tf : 12
2042	Modeling Pesticide Runoff from Small Watersheds through Field-Scale Management Practices: Minnesota Watershed Case Study with Chlorpyrifos. Air, Soil and Water Research, 2016, 9, ASWR.S32777.	1.2	7
2043	Transit timesâ€"the link between hydrology and water quality at the catchment scale. Wiley Interdisciplinary Reviews: Water, 2016, 3, 629-657.	2.8	184
2044	Use of a fluxâ€based field capacity criterion to identify effective hydraulic parameters of layered soil profiles subjected to synthetic drainage experiments. Water Resources Research, 2016, 52, 566-584.	1.7	24
2045	Improved simulation of river water and groundwater exchange in an alluvial plain using the SWAT model. Hydrological Processes, 2016, 30, 187-202.	1.1	53
2046	Modelling the impact of agroforestry on hydrology of Mara River Basin in East Africa. Hydrological Processes, 2016, 30, 3139-3155.	1.1	57

#	Article	IF	CITATIONS
2047	Evaluating weather observations and the Climate Forecast System Reanalysis as inputs for hydrologic modelling in the tropics. Hydrological Processes, 2016, 30, 3466-3477.	1.1	33
2048	Woodland expansion in central Oklahoma will significantly reduce streamflows – a modelling analysis. Ecohydrology, 2016, 9, 807-816.	1.1	21
2049	Numerical investigation of the spatial scale and time dependency of tile drainage contribution to stream flow. Journal of Hydrology, 2016, 538, 651-666.	2.3	22
2050	Modelling the effect of different agricultural practices on stream nitrogen load in central Germany. Energy, Sustainability and Society, 2016, 6, .	1.7	15
2051	Water balance analysis of the Morava River floodplain in the Kostice-Lanžhot transect using the WBCM-7 model. Environmental Monitoring and Assessment, 2016, 188, 74.	1.3	2
2052	Impact of land use changes on water quality in headwaters of the Three Gorges Reservoir. Environmental Science and Pollution Research, 2016, 23, 11448-11460.	2.7	48
2053	Using site-specific soil samples as a substitution for improved hydrological and nonpoint source predictions. Environmental Science and Pollution Research, 2016, 23, 16037-16046.	2.7	3
2054	Evaluating the Impact of Legacy P and Agricultural Conservation Practices on Nutrient Loads from the Maumee River Watershed. Environmental Science & E	4.6	93
2055	Reviving the Ganges Water Machine: Accelerating surface water and groundwater interactions in the Ramganga sub-basin. Journal of Hydrology, 2016, 540, 207-219.	2.3	20
2056	Methodology and Application of the Combined SWAT-HSPF Model. Environmental Processes, 2016, 3, 645-661.	1.7	7
2057	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
2058	Importance of spatially distributed hydrologic variables for land use change modeling. Environmental Modelling and Software, 2016, 83, 245-254.	1.9	26
2059	Different modelling approaches to evaluate nitrogen transport and turnover at the watershed scale. Journal of Hydrology, 2016, 539, 478-494.	2.3	20
2060	Can land-use change mitigate long-term flood risks in the Prairie Pothole Region? The case of Devils Lake, North Dakota, USA. Regional Environmental Change, 2016, 16, 2443-2456.	1.4	24
2061	Integrated Economic-Hydrologic Modeling for Examining Cost-Effectiveness of Wetland Restoration Scenarios in a Canadian Prairie Watershed. Wetlands, 2016, 36, 577-589.	0.7	7
2062	Impacts of biofuel-based land-use change on water quality and sustainability in a Kansas watershed. Agricultural Water Management, 2016, 175, 4-14.	2.4	13
2063	Trade-offs among ecosystem services in a typical Karst watershed, SW China. Science of the Total Environment, 2016, 566-567, 1297-1308.	3.9	119
2064	Regional scale hydrologic modeling of a karst-dominant geomorphology: The case study of the Island of Crete. Journal of Hydrology, 2016, 540, 64-81.	2.3	72

#	Article	IF	CITATIONS
2065	Late Quaternary climatic influences on megalake Jilantai–Hetao, North China, inferred from a water balance model. Journal of Paleolimnology, 2016, 55, 223-240.	0.8	7
2066	Response of Soil Moisture to Hydro-meteorological Variables Under Different Precipitation Gradients in the Yellow River Basin. Water Resources Management, 2016, 30, 1867-1884.	1.9	21
2067	Hydrological simulation in a basin of typical tropical climate and soil using the SWAT model part I: Calibration and validation tests. Journal of Hydrology: Regional Studies, 2016, 7, 14-37.	1.0	48
2068	Modelling the effect of riparian vegetation restoration on sediment transport in a humanâ€impacted Brazilian catchment. Ecohydrology, 2016, 9, 1289-1303.	1.1	29
2069	Assessing the effects of land cover and future climate conditions on the provision of hydrological services in a medium-sized watershed of Portugal. Hydrological Processes, 2016, 30, 720-738.	1.1	69
2070	Evaluation and hydrological application of precipitation estimates derived from PERSIANNâ€CDR, TRMM 3B42V7, and NCEPâ€CFSR over humid regions in China. Hydrological Processes, 2016, 30, 3061-3083.	1.1	115
2071	Dynamic Land Use Change as Challenge for IWRM: A Case Study in Central Brazil., 2016, , 541-566.		1
2072	Assessment of the Influences of Different Potential Evapotranspiration Inputs on the Performance of Monthly Hydrological Models under Different Climatic Conditions. Journal of Hydrometeorology, 2016, 17, 2259-2274.	0.7	52
2073	Hydrological drivers of recordâ€setting water level rise on Earth's largest lake system. Water Resources Research, 2016, 52, 4026-4042.	1.7	40
2074	Largeâ€Scale Fineâ€Resolution Hydrological Modeling Using Parameter Regionalization in the Missouri River Basin. Journal of the American Water Resources Association, 2016, 52, 648-666.	1.0	28
2075	Hydrological response due to projected climate variability in Haw River watershed, North Carolina, USA. Hydrological Sciences Journal, 2016, 61, 495-506.	1,2	24
2076	Comparison of the Penmanâ€Monteith method and regional calibration of the Hargreaves equation for actual evapotranspiration using SWAT-simulated results in the Seolma-cheon basin, South Korea. Hydrological Sciences Journal, 2016, 61, 793-800.	1.2	21
2077	Climate change impact and potential adaptation strategies under alternate climate scenarios for yam production in the sub-humid savannah zone of West Africa. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 955-968.	1.0	17
2078	Assessing the impact of climate variability on runoff using a new linear runoff generation model. Hydrological Sciences Journal, 2016, 61, 1040-1053.	1.2	1
2079	Investigating the uncertainty and transferability of parameters in SWAT model under climate change. Hydrological Sciences Journal, 2016, , 1-17.	1,2	9
2080	Evaluation of the Best Management Practices at the Watershed Scale to Attenuate Peak Streamflow Under Climate Change Scenarios. Water Resources Management, 2016, 30, 963-982.	1.9	34
2081	One-day offset in daily hydrologic modeling: An exploration of the issue in automatic model calibration. Journal of Hydrology, 2016, 534, 164-177.	2.3	13
2082	Water Variability and the Economic Impacts on Small-Scale Farmers. A Farm Risk-Based Integrated Modelling Approach. Water Resources Management, 2016, 30, 1357-1373.	1.9	15

#	Article	IF	CITATIONS
2083	Ecosystem services and biodiversity conservation under forestation scenarios: options to improve management in the Vez watershed, NW Portugal. Regional Environmental Change, 2016, 16, 1557-1570.	1.4	23
2084	Effects of ecological engineering on water balance under two different vegetation scenarios in the Qilian Mountain, northwestern China. Journal of Hydrology: Regional Studies, 2016, 5, 324-335.	1.0	9
2085	Potential of the LASH model for water resources management in data-scarce basins: a case study of the Fragata River basin, southern Brazil. Hydrological Sciences Journal, 2016, 61, 2567-2578.	1.2	38
2086	Implications of projected climate change for groundwater recharge in the western United States. Journal of Hydrology, 2016, 534, 124-138.	2.3	299
2087	SWATDRAIN, a new model to simulate the hydrology of agricultural Lands, model development and evaluation. Biosystems Engineering, 2016, 141, 31-47.	1.9	13
2088	Using the SWAT model to assess the impacts of changing irrigation from surface to pressurized systems on water productivity and water saving in the Zarrineh Rud catchment. Agricultural Water Management, 2016, 175, 15-28.	2.4	72
2089	Land use sediment production response under different climatic conditions in an alpine–prealpine catchment. Catena, 2016, 137, 244-255.	2.2	18
2090	Water quality modelling in the San Antonio River Basin driven by radar rainfall data. Geomatics, Natural Hazards and Risk, 2016, 7, 953-970.	2.0	9
2091	Assessing the effects of changes in land use and climate on runoff and sediment yields from a watershed in the Loess Plateau of China. Science of the Total Environment, 2016, 544, 238-250.	3.9	245
2092	An integrated statistical and data-driven framework for supporting flood risk analysis under climate change. Journal of Hydrology, 2016, 533, 28-39.	2.3	28
2093	Simulating streamflow variability and aquatic states in temporary streams using a coupled groundwater-surface water model. Hydrological Sciences Journal, 2016, 61, 146-161.	1.2	12
2094	Assessing climate change impacts on the stability of small tidal inlet systems: Why and how?. Earth-Science Reviews, 2016, 154, 369-380.	4.0	49
2095	Green-Ampt approximations: A comprehensive analysis. Journal of Hydrology, 2016, 535, 340-355.	2.3	28
2096	Modeling Agricultural Watersheds with the Soil and Water Assessment Tool (SWAT): Calibration and Validation with a Novel Procedure for Spatially Explicit HRUs. Environmental Management, 2016, 57, 894-911.	1.2	73
2097	MATLAB Hydrological Index Tool (MHIT): A high performance library to calculate 171 ecologically relevant hydrological indices. Ecological Informatics, 2016, 33, 17-23.	2.3	9
2098	Predictions in ungauged basins: an approach for regionalization of hydrological models considering the probability distribution of model parameters. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1131-1149.	1.9	38
2099	Watershedâ€scale impacts of bioenergy crops on hydrology and water quality using improved <scp>SWAT</scp> model. GCB Bioenergy, 2016, 8, 837-848.	2.5	76
2100	Climate change effects on lowland stream flood regimes and riparian rich fen vegetation communities in Denmark. Hydrological Sciences Journal, 2016, 61, 344-358.	1.2	6

#	Article	IF	CITATIONS
2101	Longâ€Term Trends in Streamflow and Precipitation in Northwest California and Southwest Oregon, 1953â€2012. Journal of the American Water Resources Association, 2016, 52, 241-261.	1.0	24
2102	How Will Climate Change Affect the Water Availability in the Heihe River Basin, Northwest China?. Journal of Hydrometeorology, 2016, 17, 1517-1542.	0.7	53
2103	Assessing the impacts of climate change and tillage practices on stream flow, crop and sediment yields from the Mississippi River Basin. Agricultural Water Management, 2016, 168, 112-124.	2.4	44
2104	Combined effects of climate models, hydrological model structures and land use scenarios on hydrological impacts of climate change. Journal of Hydrology, 2016, 535, 301-317.	2.3	156
2105	Using climate change scenarios to evaluate future effectiveness of potential wetlands in mitigating high flows in a Midwestern U.S. watershed. Ecological Engineering, 2016, 89, 80-102.	1.6	27
2106	Comparison of SWAT and DLBRM for Hydrological Modeling of a Mountainous Watershed in Arid Northwest China. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	31
2107	Sediment Export Modeling in Cold-Climate Prairie Watersheds. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	12
2108	Spatial and temporal estimation of soil loss for the sustainable management of a wet semi-arid watershed cluster. Environmental Monitoring and Assessment, 2016, 188, 143.	1.3	23
2109	Driving a lumped hydrological model with precipitation output from weather generators of different complexity. Hydrological Sciences Journal, 2016, 61, 1395-1414.	1.2	23
2110	SWAT-CS enm : Enhancing SWAT nitrate module for a Canadian Shield catchment. Science of the Total Environment, 2016, 550, 598-610.	3.9	15
2111	Extended SWAT model for dissolved reactive phosphorus transport in tile-drained fields and catchments. Agricultural Water Management, 2016, 175, 78-90.	2.4	16
2112	Using SWAT to enhance watershed-based plans to meet numeric water quality standards. Sustainability of Water Quality and Ecology, 2016, 7, 5-21.	2.0	11
2113	Past and future variability in the hydrological regime of the Koshi Basin, Nepal. Hydrological Sciences Journal, 2016, 61, 79-93.	1.2	32
2114	Assessing SWAT models based on single and multi-site calibration for the simulation of flow and nutrient loads in the semi-arid Onkaparinga catchment in South Australia. Agricultural Water Management, 2016, 175, 61-71.	2.4	91
2115	The effects of climate change and extreme wildfire events on runoff erosion over a mountain watershed. Journal of Hydrology, 2016, 536, 74-91.	2.3	35
2116	Estimating the Impact of Climate Change on Water Availability in Bagmati Basin, Nepal. Environmental Processes, 2016, 3, 1-17.	1.7	63
2117	Multiple-response Bayesian calibration of watershed water quality models with significant input and model structure errors. Advances in Water Resources, 2016, 88, 109-123.	1.7	27
2118	Comparison of an artificial neural network and a conceptual rainfall–runoff model in the simulation of ephemeral streamflow. Hydrological Sciences Journal, 2016, 61, 2763-2774.	1.2	53

#	Article	IF	CITATIONS
2119	Modeling total particulate organic carbon (POC) flows in the Baltic Sea catchment. Biogeochemistry, 2016, 128, 51-65.	1.7	4
2120	A joined multi-metric calibration of river discharge and nitrate loads with different performance measures. Journal of Hydrology, 2016, 536, 534-545.	2.3	34
2121	The importance of uncertainties in scenario analyses – A study on future ecosystem service delivery in Flanders. Science of the Total Environment, 2016, 553, 504-518.	3.9	34
2122	SWAT hydrological model as a DaaS cloud service. Earth Science Informatics, 2016, 9, 401-407.	1.6	7
2123	Assessment of Different Modelling Studies on the Spatial Hydrological Processes in an Arid Alpine Catchment. Water Resources Management, 2016, 30, 1757-1770.	1.9	27
2124	Evaluation of Estimation of Distribution Algorithm to Calibrate Computationally Intensive Hydrologic Model. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	19
2125	Assessing potassium environmental losses from a dairy farming watershed with the modified SWAT model. Agricultural Water Management, 2016, 175, 91-104.	2.4	8
2126	Global Sensitivity Analysis of environmental models: Convergence and validation. Environmental Modelling and Software, 2016, 79, 135-152.	1.9	227
2127	Assessing the Accuracy of GIS-Based Analytical Hierarchy Process for Watershed Prioritization; Gorganrood River Basin, Iran. Water Resources Management, 2016, 30, 1131-1150.	1.9	61
2128	A review on evapotranspiration data assimilation based on hydrological models. Journal of Chinese Geography, 2016, 26, 230-242.	1.5	18
2129	The influence of watershed subdivision level on model assessment and identification of non-point source priority management areas. Ecological Engineering, 2016, 87, 110-119.	1.6	22
2130	Coupling SWAT and ANN models for enhanced daily streamflow prediction. Journal of Hydrology, 2016, 533, 141-151.	2.3	176
2131	Multicriteria Evaluation Approach for Assessing Parametric Uncertainty during Extreme Peak and Low Flow Conditions over Snow Glaciated and Inland Catchments. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	12
2132	Identifying non-point source critical source areas based on multi-factors at a basin scale with SWAT. Journal of Hydrology, 2016, 533, 379-388.	2.3	115
2133	Long-term monitoring data meet freshwater species distribution models: Lessons from an LTER-site. Ecological Indicators, 2016, 65, 122-132.	2.6	19
2134	Service-oriented model-encapsulation strategy for sharing and integrating heterogeneous geo-analysis models in an open web environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 258-273.	4.9	51
2135	Evaluating CFSR and WATCH Data as Input to SWAT for the Estimation of the Potential Evapotranspiration in a Data-Scarce Eastern-African Catchment. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	29
2136	Assessing the effectiveness of split fertilization and cover crop cultivation in order to conserve soil and water resources and improve crop productivity. Agricultural Water Management, 2016, 163, 305-318.	2.4	22

#	Article	IF	CITATIONS
2137	Pasture BMP effectiveness using an HRU-based subarea approach in SWAT. Journal of Environmental Management, 2016, 166, 276-284.	3.8	22
2138	Hydrological modeling and climate change impacts in an agricultural semiarid region. Case study: Guadalupe River basin, Mexico. Agricultural Water Management, 2016, 175, 29-42.	2.4	59
2139	Estimation of the effects of climate variability on crop yield in the Midwest USA. Agricultural and Forest Meteorology, 2016, 216, 141-156.	1.9	78
2140	Applying the Triangle Method for the parameterization of irrigated areas as input for spatially distributed hydrological modeling — Assessing future drought risk in the Gaza Strip (Palestine). Science of the Total Environment, 2016, 543, 877-888.	3.9	27
2141	Pesticide fate modeling in soils with the crop model STICS: Feasibility for assessment of agricultural practices. Science of the Total Environment, 2016, 542, 787-802.	3.9	40
2142	Ecohydrological modeling for large-scale environmental impact assessment. Science of the Total Environment, 2016, 543, 274-286.	3.9	26
2143	Climate change impacts on streamflow and sediment yield in the North of Iran. Hydrological Sciences Journal, 2016, 61, 123-133.	1,2	77
2144	Runoff Estimation and Water Demand Analysis for Holetta River, Awash Subbasin, Ethiopia Using SWAT and CropWat Models. Springer Geography, 2016, , 113-140.	0.3	3
2145	Combining digital soil mapping and hydrological modeling in a data scarce watershed in north-central Portugal. Geoderma, 2016, 264, 350-362.	2.3	40
2146	Non-hazardous pesticide concentrations in surface waters: An integrated approach simulating application thresholds and resulting farm income effects. Journal of Environmental Management, 2016, 165, 298-312.	3.8	12
2147	Dynamic integration of land use changes in a hydrologic assessment of a rapidly developing Indian catchment. Science of the Total Environment, 2016, 539, 153-164.	3.9	88
2148	Impact assessment of agricultural driven stressors on benthic macroinvertebrates using simulated data. Science of the Total Environment, 2016, 540, 32-42.	3.9	23
2149	Mapping water provisioning services to support the ecosystem–water–food–energy nexus in the Danube river basin. Ecosystem Services, 2016, 17, 278-292.	2.3	174
2150	Climate models and hydrological parameter uncertainties in climate change impacts on monthly runoff and daily flow duration curve of a Mediterranean catchment. Hydrological Sciences Journal, 2016, 61, 1415-1429.	1.2	23
2151	A complete hydro-climate model chain to investigate the influence of sea surface temperature on recent hydroclimatic variability in subtropical South America (Laguna Mar Chiquita, Argentina). Climate Dynamics, 2016, 46, 1783-1798.	1.7	6
2152	Comparison of SWAT streamflow and water quality in an agricultural watershed using KOMPSAT-2 and Landsat land use information. KSCE Journal of Civil Engineering, 2016, 20, 367-375.	0.9	1
2153	Climate change and consequences on the water cycle in the humid Xiangjiang River Basin, China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 225-235.	1.9	19
2154	Spatial targeting of agri-environmental policy using bilevel evolutionary optimization. Omega, 2017, 66, 15-27.	3.6	46

#	Article	IF	CITATIONS
2155	A Review on Reservoir System and Its Ecology in Indian Perspective. Proceedings of the Zoological Society, 2017, 70, 5-20.	0.4	6
2156	Evaluation of executable best management practices in Haean highland agricultural catchment of South Korea using SWAT. Agricultural Water Management, 2017, 180, 224-234.	2.4	50
2157	Links between the spatial structure of weather generator and hydrological modeling. Theoretical and Applied Climatology, 2017, 128, 103-111.	1.3	16
2158	Adjustment of global precipitation data for enhanced hydrologic modeling of tropical Andean watersheds. Climatic Change, 2017, 141, 547-560.	1.7	23
2159	Integrated environmental modelling: achieving the vision. Geological Society Special Publication, 2017, 408, 17-34.	0.8	8
2160	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
2161	A joint modelling framework for daily extremes of river discharge and precipitation in urban areas. Journal of Flood Risk Management, 2017, 10, 97-114.	1.6	13
2162	Evaluation of Sediment Deposition in a Mediterranean Reservoir: Comparison of Long Term Bathymetric Measurements and SWAT Estimations. Land Degradation and Development, 2017, 28, 566-578.	1.8	16
2163	Glacier mass balance simulation using SWAT distributed snow algorithm. Hydrological Sciences Journal, 2017, 62, 546-560.	1.2	28
2164	Modeling sediment concentration and discharge variations in a small Ethiopian watershed with contributions from an unpaved road. Journal of Hydrology and Hydromechanics, 2017, 65, 1-17.	0.7	16
2165	Climate change impacts under CMIP5 RCP scenarios on water resources of the Kelantan River Basin, Malaysia. Atmospheric Research, 2017, 189, 1-10.	1.8	147
2166	Development of RWQM1-based integrated water quality model in OpenMI with application to the River Zenne, Belgium. Hydrological Sciences Journal, 2017, 62, 774-799.	1.2	12
2167	Effects of soil moisture content on upland nitrogen loss. Journal of Hydrology, 2017, 546, 71-80.	2.3	35
2168	Application of SWAT in an Indian river basin for modeling runoff, sediment and water balance. Environmental Earth Sciences, 2017, 76, 1.	1.3	51
2169	Development of a nitrous oxide routine for the SWAT model to assess greenhouse gas emissions from agroecosystems. Environmental Modelling and Software, 2017, 89, 131-143.	1.9	28
2170	A Bayesian approach for estimating phosphorus export and delivery rates with the SPAtially Referenced Regression On Watershed attributes (SPARROW) model. Ecological Informatics, 2017, 37, 77-91.	2.3	36
2171	Urbanization impacts on surface runoff of the contiguous United States. Journal of Environmental Management, 2017, 187, 470-481.	3.8	109
2172	Developing empirical monthly groundwater recharge equations based on modeling and remote sensing data – Modeling future groundwater recharge to predict potential climate change impacts. Journal of Hydrology, 2017, 546, 1-13.	2.3	49

#	Article	IF	CITATIONS
2173	Scenario analysis for assessing the impact of hydraulic fracturing on stream low flows using the SWAT model. Hydrological Sciences Journal, 2017, 62, 849-861.	1.2	8
2174	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
2175	Identifying separate impacts of climate and land use/cover change on hydrological processes in upper stream of Heihe River, Northwest China. Hydrological Processes, 2017, 31, 1100-1112.	1,1	127
2176	Future water availability in the largest freshwater Mediterranean lake is at great risk as evidenced from simulations with the SWAT model. Science of the Total Environment, 2017, 581-582, 413-425.	3.9	62
2177	The Watershed Flow and Allocation Model: An NHDPlusâ€Based Watershed Modeling Approach for Multiple Scales and Conditions. Journal of the American Water Resources Association, 2017, 53, 6-29.	1.0	14
2178	Climate-change influences on the response of macroinvertebrate communities to pesticide contamination in the Sacramento River, California watershed. Science of the Total Environment, 2017, 581-582, 741-749.	3.9	22
2179	The long-term effect of climate change on productivity of winter wheat in Denmark: a scenario analysis using three crop models. Journal of Agricultural Science, 2017, 155, 733-750.	0.6	17
2180	Assessment of future climate change impacts on the hydrological regime of selected Greek areas with different climate conditions. Hydrology Research, 2017, 48, 1327-1342.	1.1	10
2181	Factors Controlling Sediment Load in The Central Anatolia Region of Turkey: Ankara River Basin. Environmental Management, 2017, 59, 826-841.	1.2	9
2182	Uncertainty assessment in ecosystem services analyses: Seven challenges and practical responses. Ecosystem Services, 2017, 24, 1-15.	2.3	123
2183	Assessment of water availability for competing uses using SWAT and WEAP in South Phuthiatsana catchment, Lesotho. Physics and Chemistry of the Earth, 2017, 100, 305-316.	1.2	29
2184	Breaking walls towards fully open source hydrological modeling. Water Resources, 2017, 44, 23-30.	0.3	8
2185	Simulating past severe flood events to evaluate the effectiveness of nonstructural flood countermeasures in the upper Chao Phraya River Basin, Thailand. Journal of Hydrology: Regional Studies, 2017, 10, 82-94.	1.0	24
2186	Assessing the hydrological response from an ensemble of CMIP5 climate projections in the transition zone of the Atlantic region (Bay of Biscay). Journal of Hydrology, 2017, 548, 46-62.	2.3	45
2187	Challenge of vegetation greening on water resources sustainability: Insights from a modelingâ€based analysis in Northwest China. Hydrological Processes, 2017, 31, 1469-1478.	1.1	22
2188	Analysis of streamflow responses to climate variability and land use change in the Loess Plateau region of China. Catena, 2017, 154, 1-11.	2.2	84
2189	Understanding watershed hydrogeochemistry: 1. Development of RTâ€Fluxâ€PIHM. Water Resources Research, 2017, 53, 2328-2345.	1.7	58
2190	Evaluating the performance of remotely sensed and reanalysed precipitation data over West Africa using HBV light. Journal of Hydrology, 2017, 547, 222-235.	2.3	7 5

#	Article	IF	CITATIONS
2191	Integrating downscaled CMIP5 data with a physically based hydrologic model to estimate potential climate change impacts on streamflow processes in a mixed-use watershed. Hydrological Processes, 2017, 31, 1790-1803.	1.1	44
2192	Comparison of variance-based and moment-independent global sensitivity analysis approaches by application to the SWAT model. Environmental Modelling and Software, 2017, 91, 210-222.	1.9	105
2193	Simulating hydrologic responses to alternate grazing management practices at the ranch and watershed scales. Journal of Soils and Water Conservation, 2017, 72, 102-121.	0.8	32
2194	Is the use of no-till continuous or rotational? Quantifying tillage dynamics from time-ordered spatially aggregated data. Journal of Soils and Water Conservation, 2017, 72, 131-138.	0.8	10
2195	Enhancing the soil and water assessment tool model for simulating N $<$ sub $>$ 2 $<$ /sub $>$ 0 emissions of three agricultural systems. Ecosystem Health and Sustainability, 2017, 3, .	1.5	27
2196	Comparing Two Multi-Criteria Methods for Prioritizing Wetland Restoration and Creation Sites Based on Ecological, Biophysical and Socio-Economic Factors. Water Resources Management, 2017, 31, 1227-1241.	1.9	10
2197	Quantifying the effects of conservation practice implementation on predicted runoff and chemical losses under climate change. Agricultural Water Management, 2017, 186, 51-65.	2.4	35
2198	Runoff reduction from extensive green roofs having different substrate depth and plant cover. Ecological Engineering, 2017, 102, 80-89.	1.6	89
2199	Estimating Sediment Delivery Ratios for Grassed Waterways using WEPP. Land Degradation and Development, 2017, 28, 2051-2061.	1.8	8
2200	Inter-model comparison of hydrological impacts of climate change on the Upper Blue Nile basin using ensemble of hydrological models and global climate models. Climatic Change, 2017, 141, 517-532.	1.7	45
2201	Impacts of climate and land use changes on the water quality of a small Mediterranean catchment with intensive viticulture. Environmental Pollution, 2017, 224, 454-465.	3.7	62
2202	Farmland shift due to climate warming and impacts on temporal-spatial distributions of water resources in a middle-high latitude agricultural watershed. Journal of Hydrology, 2017, 547, 156-167.	2.3	22
2203	Model-based assessment of groundwater vulnerability for the Dalyan Region of southwestern Mediterranean Turkey. Regional Environmental Change, 2017, 17, 1193-1203.	1.4	7
2204	Evaluating the significance of wetland restoration scenarios on phosphorus removal. Journal of Environmental Management, 2017, 192, 184-196.	3.8	22
2205	A comparison of simple and complex versions of the Xinanjiang hydrological model in predicting runoff in ungauged basins. Hydrology Research, 2017, 48, 1282-1295.	1.1	12
2206	GOSAC: global optimization with surrogate approximation of constraints. Journal of Global Optimization, 2017, 69, 117-136.	1.1	28
2207	Quantifying geomorphic change at ephemeral stream restoration sites using a coupled-model approach. Geomorphology, 2017, 283, 1-16.	1.1	25
2208	Predicting the temporal variation of flow contributing areas using SWAT. Journal of Hydrology, 2017, 547, 375-386.	2.3	45

#	Article	IF	CITATIONS
2209	Detecting the quantitative hydrological response to changes in climate and human activities. Science of the Total Environment, 2017, 586, 328-337.	3.9	163
2210	Attribution of changes in the water balance of a tropical catchment to land use change using the SWAT model. Hydrological Processes, 2017, 31, 2029-2040.	1.1	85
2211	Analysis of climate trend and effect of land use land cover change on Harangi streamflow, South India: a case study. Sustainable Water Resources Management, 2017, 3, 257-267.	1.0	11
2212	Distributional impacts of climate change on basin communities: an integrated modeling approach. Regional Environmental Change, 2017, 17, 1811-1821.	1.4	6
2213	Improved modelling of the freshwater provisioning ecosystem service in water scarce river basins. Environmental Modelling and Software, 2017, 94, 87-99.	1.9	19
2214	Estimating hydrologic budgets for six Persian Gulf watersheds, Iran. Applied Water Science, 2017, 7, 3323-3332.	2.8	2
2215	Impacts of land-use and land-cover changes on river runoff in Yellow River basin for period of 1956–2012. Chinese Geographical Science, 2017, 27, 13-24.	1.2	40
2216	Hydrological modeling of Fecal Indicator Bacteria in a tropical mountain catchment. Water Research, 2017, 119, 102-113.	5.3	43
2217	Modelling of Recent Erosion Rates in a Lake Catchment in the North-Western Siwalik Himalayas. Environmental Processes, 2017, 4, 355-374.	1.7	9
2218	Usability of the BLRP model for hydrological applications in arid and semi-arid regions with limited precipitation data. Modeling Earth Systems and Environment, 2017, 3, 539-555.	1.9	7
2219	Hydrological modeling of urban catchment using semi-distributed model. Modeling Earth Systems and Environment, 2017, 3, 683-692.	1.9	27
2220	Comparison of soil erosion models used to study the Chinese Loess Plateau. Earth-Science Reviews, 2017, 170, 17-30.	4.0	134
2221	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
2223	Hydrological stream flow modelling using soil and water assessment tool (SWAT) and neural networks (NNs) for the Limkheda watershed, Gujarat, India. Modeling Earth Systems and Environment, 2017, 3, 635-645.	1.9	20
2224	Hydrological modelling of the Vistula and Odra river basins using SWAT. Hydrological Sciences Journal, 2017, 62, 1266-1289.	1.2	43
2225	Comparative Assessment of Environmental Flow Estimation Methods in a Mediterranean Mountain River. Environmental Management, 2017, 60, 280-292.	1.2	28
2226	Climate Change Impacts on Water Resources and Reservoir Management: Uncertainty and Adaptation for a Mountain Catchment in Northeast Portugal. Water Resources Management, 2017, 31, 3355-3370.	1.9	43
2227	Evaluating the impact of management scenarios and land use changes on annual surface runoff and sediment yield using the GeoWEPP: a case study from the Lighvanchai watershed, Iran. Environmental Earth Sciences, 2017, 76, 1.	1.3	13

#	Article	IF	CITATIONS
2228	Time-varying sensitivity analysis of hydrologic and sediment parameters at multiple timescales: Implications for conservation practices. Science of the Total Environment, 2017, 598, 353-364.	3.9	25
2229	Cost-effective Land Use Planning: Optimizing Land Use and Land Management Patterns to Maximize Social Benefits. Ecological Economics, 2017, 139, 75-90.	2.9	57
2230	Mapping soil erosion hotspots and assessing the potential impacts of land management practices in the highlands of Ethiopia. Geomorphology, 2017, 292, 153-163.	1.1	42
2231	Cost-effectiveness of reverse auctions for watershed nutrient reductions in the presence of climate variability: An empirical approach for the Boone River watershed. Journal of Soils and Water Conservation, 2017, 72, 280-295.	0.8	12
2232	Hierarchical approach to hydrological model calibration. Environmental Earth Sciences, 2017, 76, 1.	1.3	7
2233	The value of remotely sensed surface soil moisture for model calibration using <scp>SWAT</scp> . Hydrological Processes, 2017, 31, 2764-2780.	1.1	43
2234	A discontinuous finite element suspended sediment transport model for water quality assessments in river networks. Hydrological Processes, 2017, 31, 1804-1816.	1.1	4
2235	Bridging rigorous assessment of water availability from field to catchment scale with a parsimonious agro-hydrological model. Environmental Modelling and Software, 2017, 94, 140-156.	1.9	10
2236	Assessment of the SWAT model to simulate a watershed with limited available data in the Pampas region, Argentina. Science of the Total Environment, 2017, 596-597, 437-450.	3.9	44
2237	Determination of Monthly Hydrological Erosion Severity and Runoff in Torogh Dam Watershed Basin Using SWAT and WEPP Models. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 221-228.	1.0	13
2238	Integrated approach of hydrological and water quality dynamic simulation for anthropogenic disturbance assessment in the Huai River Basin, China. Science of the Total Environment, 2017, 598, 749-764.	3.9	37
2239	Assessing and selecting interventions for river water quality improvement within the context of population growth and urbanization: a case study of the Cau River basin in Vietnam. Environment, Development and Sustainability, 2017, 19, 1701-1729.	2.7	10
2240	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
2241	Upscaling Surface Runoff Routing Processes in Large-Scale Hydrologic Models: Application to the Ohio River Basin. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	4
2242	Spatiotemporal change and trend analysis of potential evapotranspiration over the Loess Plateau of China during 2011–2100. Agricultural and Forest Meteorology, 2017, 233, 183-194.	1.9	179
2243	Introduction to <scp>SWAT</scp> +, 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
2244	Improving hydrological model optimization for riverine species. Ecological Indicators, 2017, 80, 376-385.	2.6	26
2245	Assessing the impacts of climate change on water resources in the Srepok watershed, Central Highland of Vietnam. Journal of Water and Climate Change, 2017, 8, 524-534.	1,2	25

#	Article	IF	CITATIONS
2246	Effectiveness of Soil and Water Conservation Practices Under Climate Change in the Gorganroud Basin, Iran. Clean - Soil, Air, Water, 2017, 45, 1700288.	0.7	7
2247	Development of a hydrological model for simulation of runoff from catchments unbounded by ridge lines. Journal of Hydrology, 2017, 551, 423-439.	2.3	11
2248	Evaluation of a new satelliteâ€based precipitation data set for climate studies in the Xiang River basin, southern China. International Journal of Climatology, 2017, 37, 4561-4575.	1.5	23
2249	Soil erosion susceptibility assessment through geo-statistical multivariate approach in Panchkula district of Haryana, India. Modeling Earth Systems and Environment, 2017, 3, 733-753.	1.9	11
2250	A comparison of single- and multi-site calibration and validation: a case study of SWAT in the Miyun Reservoir watershed, China. Frontiers of Earth Science, 2017, 11, 592-600.	0.9	34
2251	Hydrological simulation of a small ungauged agricultural watershed Semrakalwana of Northern India. Applied Water Science, 2017, 7, 2803-2815.	2.8	17
2252	Hydrological modelling of ungauged urban watershed using SWAT model. Modeling Earth Systems and Environment, 2017, 3, 693-702.	1.9	72
2253	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
2254	Modelling water and nutrient fluxes in the Danube River Basin with SWAT. Science of the Total Environment, 2017, 603-604, 196-218.	3.9	132
2255	Proportional coefficient method applied to TRMM rainfall data: case study of hydrological simulations of the Hotan River Basin (China). Journal of Water and Climate Change, 2017, 8, 627-640.	1.2	7
2256	Assessing climate change-induced flooding mitigation for adaptation in Boston's Charles River watershed, USA. Landscape and Urban Planning, 2017, 167, 25-36.	3.4	51
2257	Impacts of alternative climate information on hydrologic processes with SWAT: A comparison of NCDC, PRISM and NEXRAD datasets. Catena, 2017, 156, 353-364.	2.2	36
2258	Are our dynamic water quality models too complex? A comparison of a new parsimonious phosphorus model, <scp>S</scp> imply <scp>P</scp> , and <scp>INCAâ€P</scp> . Water Resources Research, 2017, 53, 5382-5399.	1.7	44
2259	Assessing climate change impacts on fresh water resources of the Athabasca River Basin, Canada. Science of the Total Environment, 2017, 601-602, 425-440.	3.9	117
2260	The Use of Ensemble Modeling of Suspended Sediment to Characterize Uncertainty., 2017,,.		1
2261	Changes in low and high flows in the Vistula and the Odra basins: Model projections in the Europeanâ€scale context. Hydrological Processes, 2017, 31, 2210-2225.	1.1	34
2262	Predicting saturationâ€excess runoff distribution with a lumped hillslope model: SWATâ€HS. Hydrological Processes, 2017, 31, 2226-2243.	1.1	33
2263	Multiple models guide strategies for agricultural nutrient reductions. Frontiers in Ecology and the Environment, 2017, 15, 126-132.	1.9	118

#	Article	IF	CITATIONS
2264	Integrated Economic and Environmental Assessment of Cellulosic Biofuel Production in an Agricultural Watershed. Bioenergy Research, 2017, 10, 509-524.	2.2	16
2265	Cost-effectiveness analysis of different watershed management scenarios developed by simulation–optimization model. Water Science and Technology: Water Supply, 2017, 17, 1316-1324.	1.0	6
2266	Interactive Reservoir-Watershed Modeling Framework for Integrated Water Quality Management. Water Resources Management, 2017, 31, 2105-2125.	1.9	34
2267	Integrated Assessment Models of the Food, Energy, and Water Nexus: A Review and an Outline of Research Needs. Annual Review of Resource Economics, 2017, 9, 143-163.	1.5	49
2268	Land management strategies for improving water quality in biomass production under changing climate. Environmental Research Letters, 2017, 12, 034015.	2.2	13
2269	Identification and prioritization of critical erosion areas based on onsite and offsite effects. Catena, 2017, 156, 1-9.	2.2	14
2270	Modifying SWAT with an energy balance module to simulate snowmelt for maritime regions. Environmental Modelling and Software, 2017, 93, 146-160.	1.9	49
2271	Enhancing the SWAT model for simulating denitrification in riparian zones at the river basin scale. Environmental Modelling and Software, 2017, 93, 163-179.	1.9	17
2272	Intercomparison of climate change impacts in 12 large river basins: overview of methods and summary of results. Climatic Change, 2017, 141, 363-379.	1.7	68
2273	Future climate and land uses effects on flow and nutrient loads of a Mediterranean catchment in South Australia. Science of the Total Environment, 2017, 590-591, 186-193.	3.9	47
2274	Effect of land use land cover dynamics on hydrological response of watershed: Case study of Tekeze Dam watershed, northern Ethiopia. International Soil and Water Conservation Research, 2017, 5, 1-16.	3.0	160
2275	Estimating the water budget components and their variability in a pre-alpine basin with JGrass-NewAGE. Advances in Water Resources, 2017, 104, 37-54.	1.7	21
2276	Evaluating the ranch and watershed scale impacts of using traditional and adaptive multi-paddock grazing on runoff, sediment and nutrient losses in North Texas, USA. Agriculture, Ecosystems and Environment, 2017, 240, 32-44.	2.5	25
2277	Effects of Spatial Distribution of Prairie Vegetation in an Agricultural Landscape on Curve Number Values. Journal of the American Water Resources Association, 2017, 53, 365-381.	1.0	3
2278	An economic inquisition of water quality trading programs, with a case study of Jordan Lake, NC. Journal of Environmental Management, 2017, 193, 483-490.	3.8	20
2279	Assessing the impacts of Best Management Practices on nitrate pollution in an agricultural dominated lowland catchment considering environmental protection versus economic development. Journal of Environmental Management, 2017, 196, 347-364.	3.8	66
2280	Ecological and economic impacts of different irrigation and fertilization practices: case study of a watershed in the southern Iran. Environment, Development and Sustainability, 2017, 19, 2499-2515.	2.7	8
2281	Reconstructing the historical water regime of the contributing basins to the Hawizeh marsh: Implications of water control structures. Science of the Total Environment, 2017, 580, 832-845.	3.9	7

#	Article	IF	CITATIONS
2282	Hydrological simulation of the Betwa River basin (India) using the SWAT model. Hydrological Sciences Journal, 2017, 62, 960-978.	1.2	36
2283	A multi-model approach for analyzing water balance dynamics in Kathmandu Valley, Nepal. Journal of Hydrology: Regional Studies, 2017, 9, 149-162.	1.0	49
2284	Integrative analysis of the Lake Simcoe watershed (Ontario, Canada) as a socio-ecological system. Journal of Environmental Management, 2017, 188, 308-321.	3.8	12
2285	Evaluation of hydrological response to extreme climate variability using SWAT model: application to the Fuhe basin of Poyang Lake watershed, China. Hydrology Research, 2017, 48, 1730-1744.	1.1	5
2286	Impact of Eastern redcedar encroachment on stream discharge in the North Canadian River basin. Journal of Soils and Water Conservation, 2017, 72, 12-25.	0.8	15
2287	Uncertainty based assessment of dynamic freshwater scarcity in semi-arid watersheds of Alberta, Canada. Journal of Hydrology: Regional Studies, 2017, 9, 48-68.	1.0	47
2288	Parameterization of the Effect of Bench Terraces on Runoff and Sediment Yield by Swat Modeling in a Small Semiâ€arid Watershed in Northern Tunisia. Land Degradation and Development, 2017, 28, 1568-1578.	1.8	46
2289	Reducing current and future risks: Using climate change scenarios to test an agricultural conservation framework. Journal of Great Lakes Research, 2017, 43, 59-68.	0.8	12
2290	Integrated assessment of the impacts of climate variability and anthropogenic activities on river runoff: a case study in the Hutuo River Basin, China. Hydrology Research, 2017, 48, 416-430.	1.1	26
2291	Hydrology and phosphorus transport simulation in a lowland polder by a coupled modeling system. Environmental Pollution, 2017, 227, 613-625.	3.7	21
2292	Long-term diffuse phosphorus pollution dynamics under the combined influence of land use and soil property variations. Science of the Total Environment, 2017, 579, 1894-1903.	3.9	18
2293	Projecting the potential evapotranspiration by coupling different formulations and input data reliabilities: The possible uncertainty source for climate change impacts on hydrological regime. Journal of Hydrology, 2017, 555, 298-313.	2.3	22
2294	SWAT modeling of hydrology, sediment and nutrients from the Grand River, Ontario. Water Quality Research Journal of Canada, 2017, 52, 243-257.	1,2	13
2295	Handling practicalities in agricultural policy optimization for water quality improvements., 2017,,.		3
2296	Modeling Changes to Streamflow, Sediment, and Nutrient Loading from Land Use Changes Due to Potential Natural Gas Development. Journal of the American Water Resources Association, 2017, 53, 1293-1312.	1.0	5
2297	Extreme flows and water availability of the Brahmaputra River under 1.5 and 2°C global warming scenarios. Climatic Change, 2017, 145, 159-175.	1.7	43
2298	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
2299	Application of SWAT99.2 to sensitivity analysis of water balance components in unique plots in a hilly region. Water Science and Engineering, 2017, 10, 209-216.	1.4	5

#	Article	IF	CITATIONS
2300	Intercomparison of regional-scale hydrological models and climate change impacts projected for 12 large river basins worldwide—a synthesis. Environmental Research Letters, 2017, 12, 105002.	2.2	109
2301	Optimizing Agricultural Best Management Practices in a Lake Erie Watershed. Journal of the American Water Resources Association, 2017, 53, 1281-1292.	1.0	14
2302	Evaluation of Existing and Modified Wetland Equations in the <scp>SWAT</scp> Model. Journal of the American Water Resources Association, 2017, 53, 1267-1280.	1.0	16
2303	Evaluation of the best management practices in a semi-arid region with high agricultural activity. Agricultural Water Management, 2017, 194, 160-171.	2.4	24
2304	Does the Temporal Resolution of Precipitation Input Influence the Simulated Hydrological Components Employing the SWAT Model?. Journal of the American Water Resources Association, 2017, 53, 997-1007.	1.0	21
2305	Impacts of manure application on SWAT model outputs in the Xiangxi River watershed. Journal of Hydrology, 2017, 555, 479-488.	2.3	36
2306	Agricultural nutrient loadings to the freshwater environment: the role of climate change and socioeconomic change. Environmental Research Letters, 2017, 12, 104008.	2.2	26
2307	Assessing uncertainty of climate change impacts on long-term hydropower generation using the CMIP5 ensembleâ€"the case of Ecuador. Climatic Change, 2017, 144, 611-624.	1.7	57
2308	Modeling runoff $\hat{a}\in ``sediment response to land use/land cover changes using integrated GIS and SWAT model in the Beressa watershed. Environmental Earth Sciences, 2017, 76, 1.$	1.3	94
2309	Implications of Climate Change on Water Budgets and Reservoir Water Harvesting of Nuuanu Area Watersheds, Oahu, Hawaii. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	14
2310	Flood risk assessment in a coastal lagoon under present and future scenarios: Ria de Aveiro case study. Natural Hazards, 2017, 89, 1307-1325.	1.6	20
2311	Assessment of soil erosion risk in Komering watershed, South Sumatera, using SWAT model. AIP Conference Proceedings, 2017, , .	0.3	8
2312	A modelling framework to simulate fieldâ€scale nitrate response and transport during snowmelt: The WINTRA model. Hydrological Processes, 2017, 31, 4250-4268.	1.1	28
2313	Assessment of climate change impacts on streamflows in Satluj river basin, India using SWAT model. International Journal of Hydrology Science and Technology, 2017, 7, 134.	0.2	8
2314	SWAT based hydrological assessment and characterization of Lake Ziway sub-watersheds, Ethiopia. Journal of Hydrology: Regional Studies, 2017, 13, 122-137.	1.0	41
2315	Robust approach for optimal positioning and ranking potential rainwater harvesting structure (RWH): a case study of Iraq. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	24
2316	Invest in small-scale irrigated agriculture: A national assessment on potential to expand small-scale irrigation in Nigeria. Agricultural Water Management, 2017, 193, 251-264.	2.4	23
2317	Impact of climate change on water resources of upper Kharun catchment in Chhattisgarh, India. Journal of Hydrology: Regional Studies, 2017, 13, 189-207.	1.0	39

#	Article	IF	Citations
2318	Integrated Hydrologic-Hydrodynamic Modeling of Estuarine-Riverine Flooding: 2008 Tropical Storm Fay. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	31
2319	Increasing drought in Jordan: Climate change and cascading Syrian land-use impacts on reducing transboundary flow. Science Advances, 2017, 3, e1700581.	4.7	93
2320	The contribution of human agricultural activities to increasing evapotranspiration is significantly greater than climate change effect over Heihe agricultural region. Scientific Reports, 2017, 7, 8805.	1.6	39
2321	Assessing the long-term effects of land use changes on runoff patterns and food production in a large lake watershed with policy implications. Journal of Environmental Management, 2017, 204, 92-101.	3.8	36
2322	Streamflow estimation in ungauged catchments using regionalization techniques. Journal of Hydrology, 2017, 554, 420-433.	2.3	82
2323	Evaluating the Use of Nash-Sutcliffe Efficiency Coefficient in Goodness-of-Fit Measures for Daily Runoff Simulation with SWAT. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	45
2324	Estimating sediment and nutrient delivery ratios in the Big Sunflower Watershed using a multiple linear regression model. Journal of Soils and Water Conservation, 2017, 72, 438-451.	0.8	2
2325	Impacts of climate change on the hydro-climatology of the upper Ishikari river basin, Japan. Environmental Earth Sciences, 2017, 76, 1.	1.3	31
2326	Impact of High-End Climate Change on Floods and Low Flows of the Brahmaputra River. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	34
2327	Impact of land-use change on the water resources of the Upper Kharun Catchment, Chhattisgarh, India. Regional Environmental Change, 2017, 17, 2373-2385.	1.4	24
2328	Description of future drought indices in Virginia. Data in Brief, 2017, 14, 278-290.	0.5	7
2329	Comprehensive study on parameter sensitivity for flow and nutrient modeling in the Hydrological Simulation Program Fortran model. Environmental Science and Pollution Research, 2017, 24, 20982-20994.	2.7	11
2330	Combined statistical and spatially distributed hydrological model for evaluating future drought indices in Virginia. Journal of Hydrology: Regional Studies, 2017, 12, 253-272.	1.0	41
2331	Projected hydrological changes in the North Carolina piedmont using bias-corrected North American Regional Climate Change Assessment Program (NARCCAP) data. Journal of Hydrology: Regional Studies, 2017, 12, 273-288.	1.0	3
2332	A new framework for modeling decentralized low impact developments using Soil and Water Assessment Tool. Environmental Modelling and Software, 2017, 96, 305-322.	1.9	35
2333	Determining the Optimal BMP Arrangement under Current and Future Climate Regimes: Case Study. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	9
2334	Use of SWAT to Estimate Spatial Scaling of Phosphorus Export Coefficients and Load Reductions Due to Agricultural BMPS. Journal of the American Water Resources Association, 2017, 53, 547-561.	1.0	19
2335	A new unconditionally stable and consistent quasiâ€analytical inâ€stream water quality solution scheme for <scp>C</scp> STRâ€based water quality simulators. Water Resources Research, 2017, 53, 4668-4690.	1.7	5

#	Article	IF	Citations
2336	Modelling the impacts of altered management practices, land use and climate changes on the water quality of the Millbrook catchment-reservoir system in South Australia. Journal of Environmental Management, 2017, 202, 1-11.	3.8	40
2337	Simulation of targeted pollutant-mitigation-strategies to reduce nitrate and sediment hotspots in agricultural watershed. Science of the Total Environment, 2017, 607-608, 1188-1200.	3.9	50
2338	Long-Term Spatio-Temporal Variation in Runoff Curve Number under Consistent Cover Conditions: a Southeastern US Case Study. Water Resources Management, 2017, 31, 3491-3505.	1.9	3
2339	Development of a soil moistureâ€based distributed hydrologic model for determining hydrologically based critical source areas. Hydrological Processes, 2017, 31, 3543-3557.	1.1	7
2340	OpenMP parallelization of a gridded SWAT (SWATG). Computers and Geosciences, 2017, 109, 228-237.	2.0	8
2341	Towards systematic analyses of ecosystem service trade-offs and synergies: Main concepts, methods and the road ahead. Ecosystem Services, 2017, 28, 264-272.	2.3	306
2342	Diffuse nitrogen loss simulation and impact assessment of stereoscopic agriculture pattern by integrated water system model and consideration of multiple existence forms. Journal of Hydrology, 2017, 552, 660-673.	2.3	8
2343	Evaluating the risk of phosphorus loss with a distributed watershed model featuring zero-order mobilization and first-order delivery. Science of the Total Environment, 2017, 609, 563-576.	3.9	11
2344	Gridded climate data products are an alternative to instrumental measurements as inputs to rainfall–runoff models. Hydrological Processes, 2017, 31, 3283-3293.	1.1	29
2345	Modeling the effects of land use change from cotton (Gossypium hirsutum L.) to perennial bioenergy grasses on watershed hydrology and water quality under changing climate. Agricultural Water Management, 2017, 192, 198-208.	2.4	24
2346	Testing of the Modified Streambank Erosion and Instream Phosphorus Routines for the SWAT Model. Journal of the American Water Resources Association, 2017, 53, 101-114.	1.0	11
2347	Assessing the hydrologic and water quality impacts of biofuelâ€induced changes in land use and management. GCB Bioenergy, 2017, 9, 1461-1475.	2.5	25
2348	Future projections of streamflow magnitude and timing differ across coastal watersheds of the western United States. International Journal of Climatology, 2017, 37, 4493-4508.	1.5	8
2349	SWAT Setup with Long-Term Detailed Landuse and Management Records and Modification for a Micro-Watershed Influenced by Freeze-Thaw Cycles. Water Resources Management, 2017, 31, 3953-3974.	1.9	28
2350	What can we learn from the projections of changes of flow patterns? Results from Polish case studies. Acta Geophysica, 2017, 65, 809-827.	1.0	12
2351	Simulating the impact of land use/land cover change and climate variability on watershed hydrology in the Upper Brantas basin, Indonesia. Applied Geomatics, 2017, 9, 191-204.	1.2	32
2352	Evaluating the Uncertainties in the SWAT Model Outputs due to DEM Grid Size and Resampling Techniques in a Large Himalayan River Basin. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	22
2353	Evaluation of SWAT simulated soil moisture at catchment scale by field measurements and Landsat derived indices. Agricultural Water Management, 2017, 193, 55-70.	2.4	33

#	Article	IF	Citations
2354	A management-oriented water quality model for data scarce catchments. Environmental Modelling and Software, 2017, 97, 93-111.	1.9	32
2355	Optimisation of fuel reduction burning regimes for carbon, water and vegetation outcomes. Journal of Environmental Management, 2017, 203, 157-170.	3.8	11
2356	The Potential Impacts of Climate Change on Biodiversity in Flowing Freshwater Systems. Annual Review of Ecology, Evolution, and Systematics, 2017, 48, 111-133.	3.8	104
2357	Streamflow response to potential land use and climate changes in the James River watershed, Upper Midwest United States. Journal of Hydrology: Regional Studies, 2017, 14, 150-166.	1.0	46
2358	21st century engineering for on-farm food–energy–water systems. Current Opinion in Chemical Engineering, 2017, 18, 69-76.	3.8	17
2359	Impacts of future land cover and climate change on the water balance in northern Iran. Hydrological Sciences Journal, 2017, 62, 2655-2673.	1.2	33
2360	Comparative analysis of sediment yield estimations using different empirical soil erosion models. Hydrological Sciences Journal, 2017, 62, 2674-2694.	1.2	29
2361	Hydrological modeling of the pipestone creek watershed using the Soil Water Assessment Tool (SWAT): Assessing impacts of wetland drainage on hydrology. Journal of Hydrology: Regional Studies, 2017, 14, 109-129.	1.0	21
2362	Comparison of hydrological models for the assessment of water resources in a data-scarce region, the Upper Blue Nile River Basin. Journal of Hydrology: Regional Studies, 2017, 14, 49-66.	1.0	125
2363	Influence of watershed topographic and socio-economic attributes on the climate sensitivity of global river water quality. Environmental Research Letters, 2017, 12, 104012.	2.2	20
2364	Integration of geospatial technologies with RUSLE for analysis of land use/cover change impact on soil erosion: case study in Rib watershed, north-western highland Ethiopia. Environmental Earth Sciences, 2017, 76, 1.	1.3	64
2365	Influence of Bioenergy Crop Production and Climate Change on Ecosystem Services. Journal of the American Water Resources Association, 2017, 53, 1323-1335.	1.0	6
2366	Evaluation of wetland implementation strategies on phosphorus reduction at a watershed scale. Journal of Hydrology, 2017, 552, 105-120.	2.3	10
2367	Determinants and impact of sustainable land management (SLM) investments: A systems evaluation in the Blue Nile Basin, Ethiopia. Agricultural Economics (United Kingdom), 2017, 48, 613-627.	2.0	13
2368	A toolkit for climate change analysis and pattern recognition for extreme weather conditions – Case study: California-Baja California Peninsula. Environmental Modelling and Software, 2017, 96, 181-198.	1.9	70
2369	Simulated water quality effects of alternate grazing management practices at the ranch and watershed scales. Ecological Modelling, 2017, 360, 1-13.	1.2	27
2370	Responses of streamflow to climate variability and human activities in the Yanhe watershed, China. Human and Ecological Risk Assessment (HERA), 2017, 23, 1955-1967.	1.7	1
2371	Tools for spatially modeling ecosystem services: Publication trends, conceptual reflections and future challenges. Ecosystem Services, 2017, 26, 155-169.	2.3	85

#	Article	IF	CITATIONS
2372	Development of a distributed hydrological model to facilitate watershed management. Hydrological Sciences Journal, 2017, 62, 1755-1771.	1.2	4
2373	Nitrate concentrations and source identification in a Mediterranean river system. Rendiconti Lincei, 2017, 28, 291-301.	1.0	10
2374	Discharge permit market and farm management nexus: an approach for eutrophication control in small basins with low-income farmers. Environmental Monitoring and Assessment, 2017, 189, 346.	1.3	22
2375	Modeling nutrient removal using watershed-scale implementation of the two-stage ditch. Ecological Engineering, 2017, 108, 358-369.	1.6	34
2376	An open source QGIS-based workflow for model application and experimentation with aquatic ecosystems. Environmental Modelling and Software, 2017, 95, 358-364.	1.9	36
2377	Modeling Water Quantity and Sulfate Concentrations in the Devils Lake Watershed Using Coupled SWAT and CEâ€QUALâ€W2. Journal of the American Water Resources Association, 2017, 53, 748-760.	1.0	16
2378	Impacts of Rainfall, Soil Type, and Land-Use Change on Soil Erosion in the Liusha River Watershed. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	10
2379	Modeling surface water-groundwater interaction in New Zealand: Model development and application. Hydrological Processes, 2017, 31, 925-934.	1.1	17
2380	Evapotranspiration, irrigation water requirement, and water productivity of rice (Oryza sativa L.) in the Sahelian environment. Paddy and Water Environment, 2017, 15, 469-482.	1.0	16
2381	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.	2.4	55
2382	Towards a new generation of agricultural system data, models and knowledge products: Design and improvement. Agricultural Systems, 2017, 155, 255-268.	3.2	99
2383	Fostering integrated land and water management approaches: Evaluating the water footprint of a Mediterranean basin under different agricultural land use scenarios. Land Use Policy, 2017, 61, 24-39.	2.5	40
2384	Suitability of Watershed Models to Predict Distributed Hydrologic Response in the Awramba Watershed in Lake Tana Basin. Land Degradation and Development, 2017, 28, 1386-1397.	1.8	28
2385	Ecological risk assessment for Pacific salmon exposed to dimethoate in California. Environmental Toxicology and Chemistry, 2017, 36, 532-543.	2.2	12
2386	Sâ€World: A Global Soil Map for Environmental Modelling. Land Degradation and Development, 2017, 28, 22-33.	1.8	56
2387	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
2388	Development and evaluation of a comprehensive drought index. Journal of Environmental Management, 2017, 185, 31-43.	3.8	90
2389	Drought Monitoring and Assessment Using Remote Sensing. Springer Remote Sensing/photogrammetry, 2017, , 151-172.	0.4	14

#	Article	IF	Citations
2390	Field-scale calibration of crop-yield parameters in the Soil and Water Assessment Tool (SWAT). Agricultural Water Management, 2017, 180, 61-69.	2.4	56
2391	Valuing investments in sustainable land management in the Upper Tana River basin, Kenya. Journal of Environmental Management, 2017, 195, 78-91.	3.8	41
2392	Simulating ecologically relevant hydrological indicators in a temporary river system. Agricultural Water Management, 2017, 180, 194-204.	2.4	43
2393	Multiscale Assessment of the Impacts of Climate Change on Water Resources in Tanzania. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	16
2394	The influence of changes in land use and landscape patterns on soil erosion in a watershed. Science of the Total Environment, 2017, 574, 34-45.	3.9	106
2395	A new concept of irrigation response units for effective management of surface and groundwater resources: a case study from the multi-country Fergana Valley, Central Asia. Irrigation Science, 2017, 35, 55-68.	1.3	7
2396	Integrated modeling of agricultural scenarios (IMAS) to support pesticide action plans: the case of the Coulonge drinking water catchment area (SW France). Environmental Science and Pollution Research, 2017, 24, 6923-6950.	2.7	8
2397	Biophysical and hydrological effects of future climate change including trends in CO2, in the St. Joseph River watershed, Eastern Corn Belt. Agricultural Water Management, 2017, 180, 280-296.	2.4	44
2398	Hydrological responses to land use/cover changes in the source region of the Upper Blue Nile Basin, Ethiopia. Science of the Total Environment, 2017, 575, 724-741.	3.9	210
2399	Effect of Single and Multisite Calibration Techniques on the Parameter Estimation, Performance, and Output of a SWAT Model of a Spatially Heterogeneous Catchment. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	39
2400	Multifractal and joint multifractal analysis of water and soil losses from erosion plots: A case study under subtropical conditions in Santa Catarina highlands, Brazil. Geoderma, 2017, 287, 116-125.	2.3	19
2401	Data Assimilation for Streamflow Forecasting: State–Parameter Assimilation versus Output Assimilation. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	9
2402	Assessment of the denitrification process in alluvial wetlands at floodplain scale using the SWAT model. Ecological Engineering, 2017, 103, 344-358.	1.6	14
2403	Modeling of nutrient export and effects of management practices in a cold-climate prairie watershed: Assiniboine River watershed, Canada. Agricultural Water Management, 2017, 180, 235-251.	2.4	21
2404	A scientometrics review on nonpoint source pollution research. Ecological Engineering, 2017, 99, 400-408.	1.6	121
2405	Review: Current and emerging methods for catchment-scale modelling of recharge and evapotranspiration from shallow groundwater. Hydrogeology Journal, 2017, 25, 3-23.	0.9	67
2406	Event Runoff and Sediment-Yield Neural Network Models for Assessment and Design of Management Practices for Small Agricultural Watersheds. Journal of Hydrologic Engineering - ASCE, 2017, 22, 04016056.	0.8	5
2407	Model application niche analysis: assessing the transferability and generalizability of ecological models. Ecosphere, 2017, 8, e01974.	1.0	10

#	Article	IF	CITATIONS
2408	Assessing Parameter Uncertainty of a Semiâ€Distributed Hydrology Model for a Shallow Aquifer Dominated Environmental System. Journal of the American Water Resources Association, 2017, 53, 1368-1389.	1.0	17
2409	SWAT model calibration over Cloud infrastructures using the BigEarth platform. , 2017, , .		1
2410	Assessing the impacts of climate and land use lane cover changes on hydrological droughts in the Yellow River Basin using SWAT model with time-varying parameters., 2017,,.		4
2411	SWATâ€Based Hydrological Data Assimilation System (SWATâ€HDAS): Description and Case Application to River Basinâ€Scale Hydrological Predictions. Journal of Advances in Modeling Earth Systems, 2017, 9, 2863-2882.	1.3	28
2412	Incorporating Dynamic Land Use Change into Hydrologic Model to Assess Urbanization Effects on Hydrologic Flow Regime. , $2017, \ldots$		0
2413	Policy Implications from Multiâ€scale Watershed Models of Biofuel Crop Adoption across the Corn Belt. Journal of the American Water Resources Association, 2017, 53, 1313-1322.	1.0	10
2414	Assessment of Bioenergy Cropping Scenarios for the Boone River Watershed in North Central Iowa, United States. Journal of the American Water Resources Association, 2017, 53, 1336-1354.	1.0	17
2415	Process refinements improve a hydrological model concept applied to the Niger River basin. Hydrological Processes, 2017, 31, 4540-4554.	1.1	33
2416	The potential for land use change to reduce flood risk in mid-sized catchments in the Myjava region of Slovakia. Contributions To Geophysics and Geodesy, 2017, 47, 95-112.	0.2	5
2417	Assessment of small hydropower potential in the Ciwidey subwatershed, Indonesia: a GIS and hydrological modeling approach. Hydrological Research Letters, 2017, 11, 6-11.	0.3	9
2418	A Multialgorithm Approach to Land Surface Modeling of Suspended Sediment in the Colorado Front Range. Journal of Advances in Modeling Earth Systems, 2017, 9, 2526-2544.	1.3	5
2419	Development of a Hydrologic Connectivity Dataset for SWAT Assessments in the US. Water (Switzerland), 2017, 9, 892.	1.2	5
2420	Modelling Impact of Adjusted Agricultural Practices on Nitrogen Leaching to Groundwater., 0,,.		1
2421	Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey. , 2017, , .		1
2422	What Do Users Really Need? Participatory Development of Decision Support Tools for Environmental Management Based on Outcomes. Environments - MDPI, 2017, 4, 88.	1.5	25
2423	Precision Conservation: Geospatial Techniques for Agricultural and Natural Resources Conservation. Agronomy, 2017, , .	0.2	3
2424	Comparison of water regimes of two dump catchments in the Krušné hory Mts. (Czech Republic) in dry years using a hydrological balance. Soil and Water Research, 2017, 12, 137-143.	0.7	0
2425	Effects of land use/land cover and climate changes on surface runoff in a semi-humid and semi-arid transition zone in northwest China. Hydrology and Earth System Sciences, 2017, 21, 183-196.	1.9	154

#	Article	IF	CITATIONS
2426	Assessment of integrated watershed health based on the natural environment, hydrology, water quality, and aquatic ecology. Hydrology and Earth System Sciences, 2017, 21, 5583-5602.	1.9	33
2427	Soil Erosion Modeling and Conservation Planning. Agronomy, 2017, , .	0.2	2
2428	Adapting HYDRUSâ€1D to Simulate Overland Flow and Reactive Transport during Sheet Flow Deviations. Vadose Zone Journal, 2017, 16, 1-18.	1.3	3
2429	Detection of Irrigated Crops from Sentinel-1 and Sentinel-2 Data to Estimate Seasonal Groundwater Use in South India. Remote Sensing, 2017, 9, 1119.	1.8	74
2430	Hydrological Effects of Vegetation Cover Degradation and Environmental Implications in a Semiarid Temperate Steppe, China. Sustainability, 2017, 9, 281.	1.6	16
2431	Long Term Quantification of Climate and Land Cover Change Impacts on Streamflow in an Alpine River Catchment, Northwestern China. Sustainability, 2017, 9, 1278.	1.6	19
2432	Sustainability in the Food-Water-Ecosystem Nexus: The Role of Land Use and Land Cover Change for Water Resources and Ecosystems in the Kilombero Wetland, Tanzania. Sustainability, 2017, 9, 1513.	1.6	47
2433	Development of an Evapotranspiration Data Assimilation Technique for Streamflow Estimates: A Case Study in a Semi-Arid Region. Sustainability, 2017, 9, 1658.	1.6	10
2434	The Impact of Para Rubber Expansion on Streamflow and Other Water Balance Components of the Nam Loei River Basin, Thailand. Water (Switzerland), 2017, 9, 1.	1.2	108
2435	Hydrological Modeling of the Upper Indus Basin: A Case Study from a High-Altitude Glacierized Catchment Hunza. Water (Switzerland), 2017, 9, 17.	1.2	65
2436	Analysing the Effects of Forest Cover and Irrigation Farm Dams on Streamflows of Water-Scarce Catchments in South Australia through the SWAT Model. Water (Switzerland), 2017, 9, 33.	1.2	5
2437	Testing the SWAT Model with Gridded Weather Data of Different Spatial Resolutions. Water (Switzerland), 2017, 9, 54.	1.2	29
2438	SWAT Modeling for Depression-Dominated Areas: How Do Depressions Manipulate Hydrologic Modeling?. Water (Switzerland), 2017, 9, 58.	1.2	28
2439	Hydrological Modeling of Highly Glacierized Basins (Andes, Alps, and Central Asia). Water (Switzerland), 2017, 9, 111.	1.2	19
2440	Increasing the Accuracy of Runoff and Streamflow Simulation in the Nzoia Basin, Western Kenya, through the Incorporation of Satellite-Derived CHIRPS Data. Water (Switzerland), 2017, 9, 114.	1.2	32
2441	Using SWAT and Fuzzy TOPSIS to Assess the Impact of Climate Change in the Headwaters of the Segura River Basin (SE Spain). Water (Switzerland), 2017, 9, 149.	1.2	50
2442	Modeling Crop Water Productivity Using a Coupled SWAT–MODSIM Model. Water (Switzerland), 2017, 9, 157.	1.2	32
2443	The Spatial and Temporal Contribution of Glacier Runoff to Watershed Discharge in the Yarkant River Basin, Northwest China. Water (Switzerland), 2017, 9, 159.	1.2	19

#	Article	IF	Citations
2444	Simulation of Hydrology and Nutrient Transport in the Hetao Irrigation District, Inner Mongolia, China. Water (Switzerland), 2017, 9, 169.	1.2	29
2445	Modelling Hydrology and Sediment Transport in a Semi-Arid and Anthropized Catchment Using the SWAT Model: The Case of the Tafna River (Northwest Algeria). Water (Switzerland), 2017, 9, 216.	1.2	60
2446	Assessment of Three Long-Term Gridded Climate Products for Hydro-Climatic Simulations in Tropical River Basins. Water (Switzerland), 2017, 9, 229.	1.2	56
2447	Modeling of Regionalized Emissions (MoRE) into Water Bodies: An Open-Source River Basin Management System. Water (Switzerland), 2017, 9, 239.	1.2	19
2448	Multilevel Drought Hazard Assessment under Climate Change Scenarios in Semi-Arid Regions—A Case Study of the Karkheh River Basin in Iran. Water (Switzerland), 2017, 9, 241.	1.2	47
2449	Characterization of Droughts in Humid Subtropical Region, Upper Kafue River Basin (Southern Africa). Water (Switzerland), 2017, 9, 242.	1.2	23
2450	Sensitivity of Calibrated Parameters and Water Resource Estimates on Different Objective Functions and Optimization Algorithms. Water (Switzerland), 2017, 9, 384.	1.2	102
2451	Using Modeling Tools to Better Understand Permafrost Hydrology. Water (Switzerland), 2017, 9, 418.	1.2	18
2452	Development of a Station Based Climate Database for SWAT and APEX Assessments in the US. Water (Switzerland), 2017, 9, 437.	1.2	15
2453	Runoff Responses to Climate and Land Use/Cover Changes under Future Scenarios. Water (Switzerland), 2017, 9, 475.	1.2	43
2454	Assessing the Efficacy of the SWAT Auto-Irrigation Function to Simulate Irrigation, Evapotranspiration, and Crop Response to Management Strategies of the Texas High Plains. Water (Switzerland), 2017, 9, 509.	1.2	35
2455	Comparison of SWAT and GWLF Model Simulation Performance in Humid South and Semi-Arid North of China. Water (Switzerland), 2017, 9, 567.	1.2	29
2456	Multi–Model Ensemble Approaches to Assessment of Effects of Local Climate Change on Water Resources of the Hotan River Basin in Xinjiang, China. Water (Switzerland), 2017, 9, 584.	1.2	25
2457	A Web Based Interface for Distributed Short-Term Soil Moisture Forecasts. Water (Switzerland), 2017, 9, 604.	1.2	1
2458	Assessing Thermally Stressful Events in a Rhode Island Coldwater Fish Habitat Using the SWAT Model. Water (Switzerland), 2017, 9, 667.	1.2	7
2459	Estimation of Sediment Yield Change in a Loess Plateau Basin, China. Water (Switzerland), 2017, 9, 683.	1.2	3
2460	Assessing the Uncertainty of Multiple Input Datasets in the Prediction of Water Resource Components. Water (Switzerland), 2017, 9, 709.	1.2	23
2461	Simulating Climate Change Induced Thermal Stress in Coldwater Fish Habitat Using SWAT Model. Water (Switzerland), 2017, 9, 732.	1.2	10

#	Article	IF	CITATIONS
2462	Streamflow and Sediment Yield Prediction for Watershed Prioritization in the Upper Blue Nile River Basin, Ethiopia. Water (Switzerland), 2017, 9, 782.	1.2	98
2463	Aquifer Vulnerability Assessment for Sustainable Groundwater Management Using DRASTIC. Water (Switzerland), 2017, 9, 792.	1.2	51
2464	Impacts of Climate Change and Human Activities on the Three Gorges Reservoir Inflow. Water (Switzerland), 2017, 9, 957.	1.2	15
2465	Simulating Flash Floods at Hourly Time-Step Using the SWAT Model. Water (Switzerland), 2017, 9, 929.	1.2	55
2466	Comparative Analysis of HRU and Grid-Based SWAT Models. Water (Switzerland), 2017, 9, 272.	1.2	36
2467	An improved SWAT vegetation growth module and its evaluation for four tropical ecosystems. Hydrology and Earth System Sciences, 2017, 21, 4449-4467.	1.9	65
2468	Adapting Agricultural Production Systems to Climate Change—What's the Use of Models?. Agriculture (Switzerland), 2017, 7, 86.	1.4	38
2469	Hydrologic Alterations Predicted by Seasonally-Consistent Subset Ensembles of General Circulation Models. Climate, 2017, 5, 44.	1.2	2
2470	Entropy Applications to Water Monitoring Network Design: A Review. Entropy, 2017, 19, 613.	1.1	46
2471	Satellite Soil Moisture Validation Using Hydrological SWAT Model: A Case Study of Puerto Rico, USA. Hydrology, 2017, 4, 45.	1.3	15
2472	Evaluation of Drought Implications on Ecosystem Services: Freshwater Provisioning and Food Provisioning in the Upper Mississippi River Basin. International Journal of Environmental Research and Public Health, 2017, 14, 496.	1.2	29
2473	Separation of the Climatic and Land Cover Impacts on the Flow Regime Changes in Two Watersheds of Northeastern Tibetan Plateau. Advances in Meteorology, 2017, 2017, 1-15.	0.6	11
2474	Impact of LUCC on streamflow based on the SWAT model over the Wei River basin on the Loess Plateau in China. Hydrology and Earth System Sciences, 2017, 21, 1929-1945.	1.9	54
2475	Rainfall-runoff relation and runoff estimation for Holetta River, Awash subbasin, Ethiopia using SWAT model. International Journal of Water Resources and Environmental Engineering, 2017, 9, 102-112.	0.2	6
2476	Hydrological Modeling and Runoff Mitigation in an Ungauged Basin of Central Vietnam Using SWAT Model. Hydrology, 2017, 4, 16.	1.3	29
2477	Quantifying the Effects of Future Climate Conditions on Runoff, Sediment, and Chemical Losses at Different Watershed Sizes. Transactions of the ASABE, 2017, 60, 915-929.	1.1	11
2478	Physically based distributed hydrological model calibration based on a short period of streamflow data: case studies in four Chinese basins. Hydrology and Earth System Sciences, 2017, 21, 251-265.	1.9	37
2479	Evaluating climate change impacts on streamflow variability based on a multisite multivariate GCM downscaling method in the Jing River of China. Hydrology and Earth System Sciences, 2017, 21, 5531-5546.	1.9	27

#	Article	IF	Citations
2480	Pay-for-Performance Conservation Using SWAT Highlights Need for Field-Level Agricultural Conservation. Transactions of the ASABE, 2017, 60, 1925-1937.	1.1	12
2481	VIC–CropSyst-v2: A regional-scale modeling platform to simulate the nexus of climate, hydrology, cropping systems, and human decisions. Geoscientific Model Development, 2017, 10, 3059-3084.	1.3	26
2482	Hydrological modeling in the Manas River Basin using soil and water assessment tool driven by CMADS. Tehnicki Vjesnik, 2017, 24, .	0.3	14
2483	Simulated hydrologic response to projected changes in precipitation and temperature in the Congo River basin. Hydrology and Earth System Sciences, 2017, 21, 4115-4130.	1.9	34
2484	Development of a Coupled Water Quality Model. Transactions of the ASABE, 2017, 60, 1153-1170.	1.1	4
2485	Modeling Streambank Erosion on Composite Streambanks on a Watershed Scale. Transactions of the ASABE, 2017, 60, 753-767.	1.1	6
2486	Modelling Nutrient Load Changes from Fertilizer Application Scenarios in Six Catchments around the Baltic Sea. Agriculture (Switzerland), 2017, 7, 41.	1.4	15
2487	CHASE-PL—Future Hydrology Data Set: Projections of Water Balance and Streamflow for the Vistula and Odra Basins, Poland. Data, 2017, 2, 14.	1.2	8
2488	Spatiotemporal response of the water cycle to land use conversions in a typical hilly–gully basin on the Loess Plateau, China. Hydrology and Earth System Sciences, 2017, 21, 6485-6499.	1.9	37
2489	Water Resources of the Black Sea Catchment under Future Climate and Landuse Change Projections. Water (Switzerland), 2017, 9, 598.	1.2	20
2490	Spatial and Temporal Responses of Soil Erosion to Climate Change Impacts in a Transnational Watershed in Southeast Asia. Climate, 2017, 5, 22.	1.2	17
2491	Climate Change Impact on the Tuul River Flow in a Semiarid Region in Mongolia. Water Environment Research, 2017, 89, 527-538.	1.3	6
2492	Scientometric overview regarding water nanopurification., 2017,, 693-716.		3
2493	HESS Opinions: The complementary merits of competing modelling philosophies in hydrology. Hydrology and Earth System Sciences, 2017, 21, 3953-3973.	1.9	134
2494	Assessing River Low-Flow Uncertainties Related to Hydrological Model Calibration and Structure under Climate Change Conditions. Climate, 2017, 5, 19.	1.2	20
2495	Growing â€~Smart'? Urbanization Processes in the Pune Urban Agglomeration. Sustainability, 2017, 9, 2335.	1.6	47
2496	Assessing the Water-Resources Potential of Istanbul by Using a Soil and Water Assessment Tool (SWAT) Hydrological Model. Water (Switzerland), 2017, 9, 814.	1.2	41
2497	Assessing the Impacts of Future Climate Conditions on the Effectiveness of Winter Cover Crops in Reducing Nitrate Loads into the Chesapeake Bay Watersheds Using the SWAT Model. Transactions of the ASABE, 2017, 60, 1939-1955.	1.1	13

#	Article	IF	CITATIONS
2498	Phosphorus transfer at a small catchment in southeastern Brazil: distributed modelling in different land use scenarios. Ciencia E Agrotecnologia, 2017, 41, 565-579.	1.5	7
2499	The importance of parameterization when simulating the hydrologic response of vegetative land-cover change. Hydrology and Earth System Sciences, 2017, 21, 3975-3989.	1.9	10
2500	Identifying the connective strength between model parameters and performance criteria. Hydrology and Earth System Sciences, 2017, 21, 5663-5679.	1.9	24
2501	Reviving the "Ganges Water Machine― where and how much?. Hydrology and Earth System Sciences, 2017, 21, 2545-2557.	1.9	7
2502	Parameter uncertainty analysis for simulating streamflow in the upper Dong Nai river basin. Houille Blanche, 2017, 103, 14-23.	0.3	9
2503	Planting Waterscapes: Green Infrastructures, Landscape and Hydrological Modeling for the Future of Santa Cruz de la Sierra, Bolivia. Forests, 2017, 8, 437.	0.9	19
2504	Prediction of Stream Flow and Sediment Yield of Lolab Watershed Using SWAT Model. Hydrology Current Research, 2017, 08, .	0.4	15
2505	A coupled modeling framework for sustainable watershed management in transboundary river basins. Hydrology and Earth System Sciences, 2017, 21, 6275-6288.	1.9	67
2506	A multi-objective approach to improve SWAT model calibration in alpine catchments. Journal of Hydrology, 2018, 559, 347-360.	2.3	63
2507	Simulating streamflow in an ungauged catchment of Tonlesap Lake Basin in Cambodia using Soil and Water Assessment Tool (SWAT) model. Water Science, 2018, 32, 89-101.	0.5	40
2508	Improving Streamflow Prediction Using Uncertainty Analysis and Bayesian Model Averaging. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	21
2509	Designing landscapes for sustainable outcomes – The case of advanced biofuels. Land Use Policy, 2018, 73, 434-446.	2.5	10
2510	Modelling climate change impacts on nutrients and primary production in coastal waters. Science of the Total Environment, 2018, 628-629, 919-937.	3.9	41
2511	Identification and classification of critical soil and water conservation areas in the Muskingum River basin in Ohio. Journal of Soils and Water Conservation, 2018, 73, 213-226.	0.8	10
2512	Synthesizing models useful for ecohydrology and ecohydraulic approaches: An emphasis on integrating models to address complex research questions. Ecohydrology, 2018, 11, e1966.	1.1	20
2513	Accessing the capability of TRMM 3B42 V7 to simulate streamflow during extreme rain events: Case study for a Himalayan River Basin. Journal of Earth System Science, 2018, 127, 1.	0.6	16
2514	Sensitivity to climate change of land use and management patterns optimized for efficient mitigation of nutrient pollution. Climatic Change, 2018, 147, 647-662.	1.7	13
2515	Assessment of impacts on basin stream flow derived from medium-term sugarcane expansion scenarios in Brazil. Agriculture, Ecosystems and Environment, 2018, 259, 11-18.	2.5	10

#	Article	IF	CITATIONS
2516	Hydropower generation, flood control and dam cascades: A national assessment for Vietnam. Journal of Hydrology, 2018, 560, 109-126.	2.3	39
2517	Conjugated evolution of regional social-ecological system driven by land use and land cover change. Ecological Indicators, 2018, 89, 213-226.	2.6	8
2518	Loss of topsoil and soil erosion by water in agricultural areas: A multi-criteria approach for various land use scenarios in the Western Carpathians using a SWAT model. Land Use Policy, 2018, 73, 363-372.	2.5	39
2519	Hydrological and environmental variables outperform spatial factors in structuring species, trait composition, and beta diversity of pelagic algae. Ecology and Evolution, 2018, 8, 2947-2961.	0.8	40
2520	Projected effects of Climateâ€changeâ€induced flow alterations on stream macroinvertebrate abundances. Ecology and Evolution, 2018, 8, 3393-3409.	0.8	38
2521	Evaluation and hydrological application of satellite-based precipitation datasets in driving hydrological models over the Huifa river basin in Northeast China. Atmospheric Research, 2018, 207, 28-41.	1.8	45
2522	GISâ€based modelling of soil erosion processes using the modifiedâ€MMF (MMMF) model in a large watershed having vast agroâ€elimatological differences. Earth Surface Processes and Landforms, 2018, 43, 2064-2076.	1.2	10
2523	Impact of LULC change on the runoff, base flow and evapotranspiration dynamics in eastern Indian river basins during 1985–2005 using variable infiltration capacity approach. Journal of Earth System Science, 2018, 127, 1.	0.6	67
2524	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
2525	SWAT-MODSIM-PSO optimization of multi-crop planning in the Karkheh River Basin, Iran, under the impacts of climate change. Science of the Total Environment, 2018, 630, 502-516.	3.9	53
2526	A new numerical model for simulating top surface soil moisture and runoff. Engineering Computations, 2018, 35, 1344-1363.	0.7	1
2527	Application of the patient rule induction method to detect hydrologic model behavioural parameters and quantify uncertainty. Hydrological Processes, 2018, 32, 1005-1025.	1.1	8
2528	Agricultural conservation practices can help mitigate the impact of climate change. Science of the Total Environment, 2018, 635, 132-143.	3.9	63
2529	Global Validation of MODIS Nearâ€Surface Air and Dew Point Temperatures. Geophysical Research Letters, 2018, 45, 7772-7780.	1.5	25
2530	Joint analysis of input and parametric uncertainties in watershed water quality modeling: A formal Bayesian approach. Advances in Water Resources, 2018, 116, 77-94.	1.7	28
2531	The land use suitability concept: Introduction and an application of the concept to inform sustainable productivity within environmental constraints. Ecological Indicators, 2018, 91, 212-219.	2.6	48
2532	A Modified Groundwater Module in SWAT for Improved Streamflow Simulation in a Large, Arid Endorheic River Watershed in Northwest China. Chinese Geographical Science, 2018, 28, 47-60.	1.2	13
2533	Identifying efficient agricultural irrigation strategies in Crete. Science of the Total Environment, 2018, 633, 271-284.	3.9	21

#	Article	IF	CITATIONS
2534	Solution to Green–Ampt infiltration model using a two-step curve-fitting approach. Environmental Earth Sciences, 2018, 77, 1.	1.3	3
2535	Comparison between the TOPMODEL and the Xin'anjiang model and their application to rainfall runoff simulation in semi-humid regions. Environmental Earth Sciences, 2018, 77, 1.	1.3	19
2536	Estimation of water balance and water yield in the Reedy Fork-Buffalo Creek Watershed in North Carolina using SWAT. International Soil and Water Conservation Research, 2018, 6, 203-213.	3.0	63
2537	Coupling of 1D models (SWAT and SWMM) with 2D model (iRIC) for mapping inundation in Brahmani and Baitarani river delta. Natural Hazards, 2018, 92, 1821-1840.	1.6	23
2538	Watershed erosion modeling using the probability of sediment connectivity in a gently rolling system. Journal of Hydrology, 2018, 561, 862-883.	2.3	39
2539	Spatially distributed longâ€ŧerm hydrologic simulation using a continuous SCS CN methodâ€based hybrid hydrologic model. Hydrological Processes, 2018, 32, 904-922.	1.1	14
2540	Simulating eroded soil organic carbon with the SWAT-C model. Environmental Modelling and Software, 2018, 102, 39-48.	1.9	34
2541	Long-term simulation of temporal change of soil organic carbon in Denmark: comparison of three model performances under climate change. Journal of Agricultural Science, 2018, 156, 139-150.	0.6	13
2542	Mass balance of arsenic fluxes in rivers impacted by gold mining activities in Paracatu (Minas Gerais) Tj ETQq0 0	0 rgBT /0\	verlock 10 Tf
2543	Uncertainty analysis of a semi-distributed hydrologic model based on a Gaussian Process emulator. Environmental Modelling and Software, 2018, 101, 289-300.	1.9	47
2544	Identifying sediment source areas in a Mediterranean watershed using the SWAT model. Land Degradation and Development, 2018, 29, 1233-1248.	1.8	60
2545	Hydrologic Evaluation of the TMPA-3B42V7 Precipitation Data Set over an Agricultural Watershed Using the SWAT Model. Journal of Hydrologic Engineering - ASCE, 2018, 23, 05018003.	0.8	34
2546	Bias correcting instantaneous peak flows generated using a continuous, semiâ€distributed hydrologic model. Journal of Flood Risk Management, 2018, 11, .	1.6	9
2547	The role of forest maturity in extreme hydrological events. Ecohydrology, 2018, 11, e1947.	1.1	9
2548	Objectâ€oriented soil erosion modelling: A possible paradigm shift from potential to actual risk assessments in agricultural environments. Land Degradation and Development, 2018, 29, 1270-1281.	1.8	44
2549	The challenges of modelling phosphorus in a headwater catchment: Applying a â€~limits of acceptability' uncertainty framework to a water quality model. Journal of Hydrology, 2018, 558, 607-624.	2.3	41
2550	Quantitative study of the crop production water footprint using the SWAT model. Ecological Indicators, 2018, 89, 1-10.	2.6	65
2551	Hydraulic correction method (HCM) to enhance the efficiency of SRTM DEM in flood modeling. Journal of Hydrology, 2018, 559, 56-70.	2.3	35

#	ARTICLE	IF	Citations
2552	Modification of the SWAT model to simulate regional groundwater flow using a multicell aquifer. Hydrological Processes, 2018, 32, 939-953.	1.1	35
2553	Uncertainty analysis of hydrological modeling in a tropical area using different algorithms. Frontiers of Earth Science, 2018, 12, 661-671.	0.9	23
2554	Streamflow Estimation Using SWAT Model Over Seonath River Basin, Chhattisgarh, India. Water Science and Technology Library, 2018, , 659-665.	0.2	31
2555	Evaluating the Importance of Non-Unique Behavioural Parameter Sets on Surface Water Quality Variables under Climate Change Conditions in a Mesoscale Agricultural Watershed. Water Resources Management, 2018, 32, 619-639.	1.9	14
2556	Modeling land use change impacts on hydrology and the use of landscape metrics as tools for watershed management: The case of an ungauged catchment in the Philippines. Land Use Policy, 2018, 72, 116-128.	2.5	85
2557	Prediction of soil and water conservation structure impacts on runoff and erosion processes using SWAT model in the northern Ethiopian highlands. Journal of Soils and Sediments, 2018, 18, 1743-1755.	1.5	48
2558	Predicting sediment yield and transport dynamics of a cold climate region watershed in changing climate. Science of the Total Environment, 2018, 625, 1030-1045.	3.9	73
2559	Comparison of baseline period choices for separating climate and land use/land cover change impacts on watershed hydrology using distributed hydrological models. Science of the Total Environment, 2018, 622-623, 1016-1028.	3.9	59
2560	Assessment of Future Drought Conditions in the Chesapeake Bay Watershed. Journal of the American Water Resources Association, 2018, 54, 160-183.	1.0	40
2561	Modeling the effects of climatic and land use changes on phytoplankton and water quality of the largest Turkish freshwater lake: Lake BeyÅŸehir. Science of the Total Environment, 2018, 621, 802-816.	3.9	97
2562	Impact of DEM Data Resolution on SWAT Model in Runoff Simulation. Advances in Science, Technology and Innovation, 2018, , 815-817.	0.2	0
2563	Quantifying the combined effects of land use and climate changes on stream flow and nutrient loads: A modelling approach in the Odense Fjord catchment (Denmark). Science of the Total Environment, 2018, 621, 253-264.	3.9	79
2564	Assessment of beyond-the-field nutrient management practices for agricultural crop systems with subsurface drainage. Journal of Soils and Water Conservation, 2018, 73, 62-74.	0.8	22
2565	Climate change impact assessment on the hydrological regime of the Kaligandaki Basin, Nepal. Science of the Total Environment, 2018, 625, 837-848.	3.9	129
2566	Evaluation of the SWAT model for water balance study of a mountainous snowfed river basin of Nepal. Environmental Earth Sciences, 2018, 77, 1.	1.3	65
2567	Hydrological simulation in a tropical humid basin in the Cerrado biome using the SWAT model. Hydrology Research, 2018, 49, 908-923.	1.1	31
2568	Assessing the Impacts of Climate Change on the Quantity and Quality of Agricultural Runoff (Case) Tj ETQq0 0 0) rgBT /Ove	erlock 10 Tf 5
2569	Climate change impact analysis on watershed using QSWAT. Spatial Information Research, 2018, 26, 253-259.	1.3	12

#	Article	IF	Citations
2570	Groundwater Modeling Under Variable Operating Conditions Using SWAT, MODFLOW and MT3DMS: a Catchment Scale Approach to Water Resources Management. Water Resources Management, 2018, 32, 1631-1649.	1.9	48
2571	Modeling land use changes and their impact on sediment load in a Mediterranean watershed. Catena, 2018, 163, 342-353.	2.2	54
2572	Assessing the response of runoff to climate change and human activities for a typical basin in the Northern Taihang Mountain, China. Journal of Earth System Science, 2018, 127, 1.	0.6	15
2573	Soil and Water Assessment Tool model predictions of annual maximum pesticide concentrations in high vulnerability watersheds. Integrated Environmental Assessment and Management, 2018, 14, 358-368.	1.6	18
2574	Modelling the effects of land use and climate change on the water resources in the eastern Baltic Sea region using the SWAT model. Catena, 2018, 167, 78-89.	2.2	60
2575	Hydrological controls on nitrogen (ammonium versus nitrate) fluxes from river to coast in a subtropical region: Observation and modeling. Journal of Environmental Management, 2018, 213, 382-391.	3.8	30
2576	Development of a polder module in the <scp>SWAT</scp> model: <scp>SWATpld</scp> for simulating polder areas in southâ€eastern China. Hydrological Processes, 2018, 32, 1050-1062.	1.1	10
2577	Future climate change impact evaluation on hydrologic processes in the Bharalu and Basistha basins using SWAT model. Natural Hazards, 2018, 92, 1463-1488.	1.6	25
2578	Current and future hot-spots and hot-moments of nitrous oxide emission in a cold climate river basin. Environmental Pollution, 2018, 239, 648-660.	3.7	29
2579	Modified Channel-Routing Scheme for SWAT Model. Journal of Hydrologic Engineering - ASCE, 2018, 23,	0.8	5
2580	A probabilistic method for streamflow projection and associated uncertainty analysis in a data sparse alpine region. Global and Planetary Change, 2018, 165, 100-113.	1.6	26
2581	Effects of Cryospheric Change on Alpine Hydrology: Combining a Model With Observations in the Upper Reaches of the Hei River, China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3414-3442.	1.2	51
2582	SWAT model uncertainty analysis, calibration and validation for runoff simulation in the Luvuvhu River catchment, South Africa. Physics and Chemistry of the Earth, 2018, 105, 115-124.	1.2	46
2583	Use of rainfall forecast from a high-resolution global NWP model in a hydrological stream flow model over Narmada river basin during monsoon. Modeling Earth Systems and Environment, 2018, 4, 1029-1040.	1.9	7
2584	Assessing the impact of the MRBI program in a data limited Arkansas watershed using the SWAT model. Agricultural Water Management, 2018, 202, 202-219.	2.4	25
2585	A new technique to estimate regional irrigation water demand and driving factor effects using an improved SWAT model with LMDI factor decomposition in an arid basin. Journal of Cleaner Production, 2018, 185, 814-828.	4.6	55
2586	Variance analysis of forecasted streamflow maxima in a wet temperate climate. Journal of Hydrology, 2018, 560, 364-381.	2.3	6
2587	Comprehensive approach to the reduction of river flood risk: Case study of the Upper Vistula Basin. Science of the Total Environment, 2018, 631-632, 1251-1267.	3.9	27

#	Article	IF	CITATIONS
2588	Regional scale hydrologic modeling for prediction of water balance, analysis of trends in streamflow and variations in streamflow: The case study of the Ganga River basin. Journal of Hydrology: Regional Studies, 2018, 16, 32-53.	1.0	66
2589	Legacy nitrogen may prevent achievement of water quality goals in the Gulf of Mexico. Science, 2018, 360, 427-430.	6.0	262
2590	Combining rainfall–runoff and hydrodynamic models for simulating flow under the impact of climate change to the lower Sai Gon-Dong Nai River basin. Paddy and Water Environment, 2018, 16, 457-465.	1.0	7
2591	A Multimedia Hydrological Fate Modeling Framework To Assess Water Consumption Impacts in Life Cycle Assessment. Environmental Science & Environmental	4.6	17
2592	Impact of Climate Variability and Landscape Patterns on Water Budget and Nutrient Loads in a Peri-urban Watershed: A Coupled Analysis Using Process-based Hydrological Model and Landscape Indices. Environmental Management, 2018, 61, 954-967.	1.2	19
2593	Perennial vegetation impacts on stream discharge and channel sources of sediment in the Minnesota River Basin. Journal of Soils and Water Conservation, 2018, 73, 120-132.	0.8	10
2594	Modeling of flood generation in semi-arid catchment using a spatially distributed model: case of study Wadi Mekerra catchment (Northwest Algeria). Arabian Journal of Geosciences, 2018, 11, 1.	0.6	8
2595	Application of genetic algorithm to land use optimization for non-point source pollution control based on CLUE-S and SWAT. Journal of Hydrology, 2018, 560, 86-96.	2.3	67
2596	Integrated water resources management under climate change scenarios in the sub-basin of Abaya-Chamo, Ethiopia. Modeling Earth Systems and Environment, 2018, 4, 221-240.	1.9	27
2597	Modelling hydrological response under climate change scenarios using SWAT model: the case of Ilala watershed, Northern Ethiopia. Modeling Earth Systems and Environment, 2018, 4, 437-449.	1.9	26
2598	Hydrological simulation using the SWAT model: the case of Kalamas River catchment. Journal of Applied Water Engineering and Research, 2018, 6, 210-227.	1.0	7
2599	Impact of GCM structure uncertainty on hydrological processes in an arid area of China. Hydrology Research, 2018, 49, 893-907.	1.1	27
2600	Evaluation of the SWAT model performance for simulating river discharge in the Himalayan and tropical basins of Asia. Hydrology Research, 2018, 49, 846-860.	1,1	40
2601	Application of SWAT model for predicting soil erosion and sediment yield. Sustainable Water Resources Management, 2018, 4, 447-468.	1.0	28
2602	Adequacy of TRMM satellite rainfall data in driving the SWAT modeling of Tiaoxi catchment (Taihu) Tj ETQq0 0 0 r	gBT/Over	lock 10 Tf 50
2603	Modeling streamflow and sediment responses to climate change and human activities in the Yanhe River, China. Hydrology Research, 2018, 49, 150-162.	1.1	22
2604	Combined and synergistic effects of climate change and urbanization on water quality in the Wolf Bay watershed, southern Alabama. Journal of Environmental Sciences, 2018, 64, 107-121.	3.2	46
2605	Estimation of the climate change impact on a catchment water balance using an ensemble of GCMs. Journal of Hydrology, 2018, 556, 1192-1204.	2.3	113

#	Article	IF	CITATIONS
2606	Optimal reservoir rule curves under climatic and land use changes for Lampao Dam using Genetic Algorithm. KSCE Journal of Civil Engineering, 2018, 22, 351-364.	0.9	35
2607	Improving bank erosion modelling at catchment scale by incorporating temporal and spatial variability. Earth Surface Processes and Landforms, 2018, 43, 124-133.	1.2	20
2608	Optimizing best management practices for nutrient pollution control in a lake watershed under uncertainty. Ecological Indicators, 2018, 92, 288-300.	2.6	33
2609	Projections of runoff in the Vistula and the Odra river basins with the help of the SWAT model. Hydrology Research, 2018, 49, 303-317.	1.1	32
2610	Environmental implications of higher ethanol production and use in the U.S.: A literature review. Part I $\hat{a} \in$ Impacts on water, soil, and air quality. Renewable and Sustainable Energy Reviews, 2018, 81, 3140-3158.	8.2	51
2611	A proposal for integration of the ecosystem-water-food-land-energy (EWFLE) nexus concept into life cycle assessment: A synthesis matrix system for food security. Journal of Cleaner Production, 2018, 172, 3874-3889.	4.6	99
2612	Evaluation of a simple, point-scale hydrologic model in simulating soil moisture using the Delaware environmental observing system. Theoretical and Applied Climatology, 2018, 132, 1-13.	1.3	5
2613	Predicting future urban impervious surface distribution using cellular automata and regression analysis. Earth Science Informatics, 2018, 11, 19-29.	1.6	10
2614	Improving SWAT auto-irrigation functions for simulating agricultural irrigation management using long-term lysimeter field data. Environmental Modelling and Software, 2018, 99, 25-38.	1.9	52
2615	Modelling stover and grain yields, and subsurface artificial drainage from long-term corn rotations using APSIM. Agricultural Water Management, 2018, 195, 154-171.	2.4	23
2616	Impact of forest maintenance on water shortages: Hydrologic modeling and effects of climate change. Science of the Total Environment, 2018, 615, 1355-1363.	3.9	57
2617	Riverine phytoplankton shifting along a lentic-lotic continuum under hydrological, physiochemical conditions and species dispersal. Science of the Total Environment, 2018, 619-620, 1628-1636.	3.9	40
2618	Rainfall–runoff simulations of extreme monsoon rainfall events in a tropical river basin of India. Natural Hazards, 2018, 90, 843-861.	1.6	26
2619	Development of web-based WERM-S module for estimating spatially distributed rainfall erosivity index (EI30) using RADAR rainfall data. Catena, 2018, 161, 37-49.	2.2	19
2620	Modelling water flow in a complex watershed in humid a tropical area using SWAT: a case study of Taabo watershed in Ivory Coast. International Journal of River Basin Management, 2018, 16, 157-167.	1.5	12
2621	An Empirical Model for River Ecological Management with Uncertainty Evaluation. Water Resources Management, 2018, 32, 897-912.	1.9	4
2622	Modeling the potential for floodwater recharge to offset groundwater depletion: a case study from the Ramganga basin, India. Sustainable Water Resources Management, 2018, 4, 331-344.	1.0	19
2623	Calibration and validation of SWAT model using stream flow and sediment load for Mojo watershed, Ethiopia. Sustainable Water Resources Management, 2018, 4, 937-949.	1.0	17

#	Article	IF	CITATIONS
2624	Economic Targeting of Agricultural Beneficial Management Practices to Address Phosphorus Runoff in Manitoba. Canadian Journal of Agricultural Economics, 2018, 66, 143-166.	1.2	2
2625	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
2626	Assessment of variable source area hydrological models in humid tropical watersheds. International Journal of River Basin Management, 2018, 16, 145-156.	1.5	5
2627	Best Management Practices Optimization at Watershed Scale: Incorporating Spatial Topology among Fields. Water Resources Management, 2018, 32, 155-177.	1.9	16
2628	A Bayesian alternative for multi-objective ecohydrological model specification. Journal of Hydrology, 2018, 556, 25-38.	2.3	18
2629	National scale evaluation of the InVEST nutrient retention model in the United Kingdom. Science of the Total Environment, 2018, 610-611, 666-677.	3.9	126
2630	Impact of satellite imagery spatial resolution on land use classification accuracy and modeled water quality. Remote Sensing in Ecology and Conservation, 2018, 4, 137-149.	2.2	72
2631	Evaluating Renewable Groundwater Stress with GRACE Data in Greece. Ground Water, 2018, 56, 501-514.	0.7	12
2632	Optimizing Spatial Land Management to Balance Water Quality and Economic Returns in a Lake Erie Watershed. Ecological Economics, 2018, 145, 104-114.	2.9	32
2633	Analysis of the efficacy and cost-effectiveness of best management practices for controlling sediment yield: A case study of the Joumine watershed, Tunisia. Science of the Total Environment, 2018, 616-617, 1-16.	3.9	46
2634	Evaluation of Drought Severity with a Bayesian Network Analysis of Multiple Drought Indices. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	22
2635	Impact of environmental factors on water quality at multiple spatial scales and its spatial variation in Huai River Basin, China. Science China Earth Sciences, 2018, 61, 82-92.	2.3	13
2636	The validity of flow approximations when simulating catchment-integrated flash floods. Journal of Hydrology, 2018, 556, 674-688.	2.3	58
2637	Modeling the hydrological impacts of land use/land cover changes in the Andassa watershed, Blue Nile Basin, Ethiopia. Science of the Total Environment, 2018, 619-620, 1394-1408.	3.9	228
2638	Impact assessment of projected climate change on diffuse phosphorous loss in Xin'anjiang catchment, China. Environmental Science and Pollution Research, 2018, 25, 4570-4583.	2.7	0
2639	Understanding saturated hydraulic conductivity under seasonal changes in climate and land use. Geoderma, 2018, 315, 75-87.	2.3	22
2640	Temperature index based snowmelt runoff modelling for the <scp>S</scp> atluj <scp>R</scp> iver basin in the <scp>w</scp> estern <scp>H</scp> imalayas. Meteorological Applications, 2018, 25, 302-313.	0.9	9
2641	Assessing the impact of urbanization on flood risk and severity for the Pawtuxet watershed, Rhode Island. Lake and Reservoir Management, 2018, 34, 74-87.	0.4	11

#	Article	IF	CITATIONS
2642	Simulation of stream flow and hydrological response to land-cover changes in a tropical river basin. Catena, 2018, 162, 166-176.	2.2	59
2643	Long-duration PMP and PMF estimation with SWAT model for the sparsely gauged Upper Nujiang River Basin. Natural Hazards, 2018, 90, 735-755.	1.6	11
2644	Comparative Assessment of SWAT Model Performance in two Distinct Catchments under Various DEM Scenarios of Varying Resolution, Sources and Resampling Methods. Water Resources Management, 2018, 32, 805-825.	1.9	61
2645	Evaluation of Using Remote Sensing Evapotranspiration Data in SWAT. Water Resources Management, 2018, 32, 985-996.	1.9	51
2646	Magic components—why quantifying rain, snowmelt, and icemelt in river discharge is not easy. Hydrological Processes, 2018, 32, 160-166.	1.1	31
2647	Spatial conservation of water yield and sediment retention hydrological ecosystem services across Teshio watershed, northernmost of Japan. Ecological Complexity, 2018, 33, 1-10.	1.4	12
2648	Modeling future water footprint of barley production in Alberta, Canada: Implications for water use and yields to 2064. Science of the Total Environment, 2018, 616-617, 208-222.	3.9	42
2649	Modeling spray drift and runoff-related inputs of pesticides to receiving water. Environmental Pollution, 2018, 234, 48-58.	3.7	65
2650	Analyzing long-term spatial variability of blue and green water footprints in a semi-arid mountainous basin with MIROC-ESM model (case study: Kashafrood River Basin, Iran). Theoretical and Applied Climatology, 2018, 134, 885-899.	1.3	10
2651	Two Model Performance Comparisons with Multisite Observations Based on Uncertainty Methods for Modeling Hydrologic Dynamics. Journal of Irrigation and Drainage Engineering - ASCE, 2018, 144, .	0.6	3
2652	An improved bias correction method of daily rainfall data using a sliding window technique for climate change impact assessment. Journal of Hydrology, 2018, 556, 100-118.	2.3	102
2653	High resolution water body mapping for SWAT evaporative modelling in the Upper Oconee watershed of Georgia, USA. Hydrological Processes, 2018, 32, 51-65.	1.1	3
2654	Spatiotemporal changes in water quality along a historically metal-contaminated river: a retrospective analysis of 50Âyears of monthly monitoring data. Limnology, 2018, 19, 157-163.	0.8	5
2655	Validation of official erosion modelling based on highâ€resolution radar rain data by aerial photo erosion classification. Earth Surface Processes and Landforms, 2018, 43, 187-194.	1.2	22
2656	Network Representations of Pollution-Generating Technologies. International Review of Environmental and Resource Economics, 2018, 11, 193-231.	1.5	11
2657	Coevolution of Hydrological Cycle Components under Climate Change: The Case of the Garonne River in France. Water (Switzerland), 2018, 10, 1870.	1.2	16
2658	Attribution of Runoff Reduction in the Juma River Basin to Climate Variation, Direct Human Intervention, and Land Use Change. Water (Switzerland), 2018, 10, 1775.	1.2	18
2659	Incorporation of the equilibrium temperature approach in aÂSoil and Water Assessment Tool hydroclimatological stream temperature model. Hydrology and Earth System Sciences, 2018, 22, 2343-2357.	1.9	24

#	Article	IF	CITATIONS
2660	Integrating multimedia models to assess nitrogen losses from the Mississippi River basin to the Gulf of Mexico. Biogeosciences, 2018, 15, 7059-7076.	1.3	25
2661	The Effect of Climate Change on Loss of Lake Volume: Case of Sedimentation in Central Rift Valley Basin, Ethiopia. Hydrology, 2018, 5, 67.	1.3	36
2662	Sensitivity analysis of the Soil and Water Assessment Tools (SWAT) model in streamflow modeling in a rural river basin. Revista Ambiente & $\tilde{A}gua$, 2018, 13, 1.	0.1	14
2663	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
2664	Assessment of Changes in Water Balance Components under 1.5 °C and 2.0 °C Global Warming in Transitional Climate Basin by Multi-RCPs and Multi-GCMs Approach. Water (Switzerland), 2018, 10, 1863.	1.2	7
2665	Flash Flood Risk Assessment for Kyushu Island, Japan. Environmental Earth Sciences, 2018, 77, 1.	1.3	28
2666	Effects of Soil Data Resolution on the Simulated Stream Flow and Water Quality: Application of Watershed-Based SWAT Model. , 2018, , .		5
2667	Assessment of SWAT Model Performance in Simulating Daily Streamflow under Rainfall Data Scarcity in Pacific Island Watersheds. Water (Switzerland), 2018, 10, 1533.	1.2	14
2668	Intercomparison of a Lumped Model and a Distributed Model for Streamflow Simulation in the Naoli River Watershed, Northeast China. Water (Switzerland), 2018, 10, 1004.	1.2	6
2669	Hydrosedimentological modeling with SWAT using multi-site calibration in nested basins with reservoirs. Revista Brasileira De Recursos Hidricos, 2018, 23, .	0.5	4
2670	Runoff sediment and P losses from various soil management practices: modelling in hilly slopes. Journal of Soil Science and Plant Nutrition, 2018, , 0-0.	1.7	3
2671	Cumulative Effects of Low Impact Development on Watershed Hydrology in a Mixed Land-Cover System. Water (Switzerland), 2018, 10, 991.	1.2	28
2672	Water Quality Control Options in Response to Catchment Urbanization: A Scenario Analysis by SWAT. Water (Switzerland), 2018, 10, 1846.	1.2	4
2673	Sustainability Assessment of the Water Management System for the Boukan Dam, Iran, Using CORDEX-South Asia Climate Projections. Water (Switzerland), 2018, 10, 1723.	1.2	5
2674	Impacts of Climate Change on Streamflow in the Guijiang River Basin, China. IOP Conference Series: Materials Science and Engineering, 2018, 452, 022041.	0.3	1
2675	Temporal and Spatial Distributions of Water and Sediment Yield in the Luanhe River Basin, China. Journal of Coastal Research, 2018, 84, 149-162.	0.1	3
2676	The competing effects of stress and water saturation on $\langle i \rangle$ in situ Q $\langle i \rangle$ for shallow (< 1 m), unconsolidated sand, evaluated with a modified spectral ratio method. Near Surface Geophysics, 2018, 16, 104-117.	0.6	2
2677	A high-resolution streamflow and hydrological metrics dataset for ecological modeling using a regression model. Scientific Data, 2018, 5, 180224.	2.4	20

#	Article	IF	CITATIONS
2678	LAND-USE CHANGE IMPACTS ON THE HYDROLOGY OF THE UPPER GRANDE RIVER BASIN, BRAZIL. Cerne, 2018, 24, 334-343.	0.9	21
2679	Evaluation of spatial plan in controlling stream flow rate in Wakung Watershed, Pemalang, Central Java, Indonesia. IOP Conference Series: Earth and Environmental Science, 2018, 148, 012030.	0.2	0
2680	Case Studies of Drought and Precipitation Assessment for Resilient Water Infrastructure Planning. , 2018, , .		0
2681	Advancing the Sustainability of US Agriculture through Longâ€Term Research. Journal of Environmental Quality, 2018, 47, 1412-1425.	1.0	68
2682	Spatial scale dependency issues in the application of the Modified Universal Soil Loss Equation (MUSLE). Hydrological Sciences Journal, 2018, 63, 1890-1900.	1.2	13
2683	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
2684	The effect of input data resolution and complexity on the uncertainty of hydrological predictions in a humid vegetated watershed. Hydrology and Earth System Sciences, 2018, 22, 5947-5965.	1.9	17
2685	Enumerating the Effects of Climate Change on Water Resources Using GCM Scenarios at the Xin'anjiang Watershed, China. Water (Switzerland), 2018, 10, 1296.	1.2	14
2686	Tiered Approaches in Analyzing Rice Field Pesticide Fate and Transport for Ecological Risk Assessment. ACS Symposium Series, 2018, , 347-377.	0.5	2
2687	Relating Spatiotemporal Patterns of Forest Fires Burned Area and Duration to Diurnal Land Surface Temperature Anomalies. Remote Sensing, 2018, 10, 1777.	1.8	31
2688	Recent Trends and Long-Range Forecasts of Water Resources of Northeast Iraq and Climate Change Adaptation Measures. Water (Switzerland), 2018, 10, 1562.	1.2	21
2689	Understanding the Main Causes of Runoff Change by Hydrological Modeling: A Case Study in Luanhe River Basin, North China. Water (Switzerland), 2018, 10, 1028.	1.2	7
2690	Assessing the Importance of Potholes in the Canadian Prairie Region under Future Climate Change Scenarios. Water (Switzerland), 2018, 10, 1657.	1.2	19
2691	Use of soft data for multicriteria calibration and validation of Agricultural Policy Environmental eXtender: Impact on model simulations. Journal of Soils and Water Conservation, 2018, 73, 623-636.	0.8	8
2692	Contrasting streamflow regimes induced by melting glaciers across the Tien Shan $\hat{a} \in \text{Pamir } \hat{a} \in \text{North Karakoram}$. Scientific Reports, 2018, 8, 16470.	1.6	54
2693	Modeling Urban Hydrology and Green Infrastructure Using the AGWA Urban Tool and the KINEROS2 Model. Frontiers in Built Environment, 2018, 4, 1-15.	1.2	44
2694	Selecting and Downscaling a Set of Climate Models for Projecting Climatic Change for Impact Assessment in the Upper Indus Basin (UIB). Climate, 2018, 6, 89.	1.2	23
2695	Comparing the Applicability of Commonly Used Hydrological Ecosystem Services Models for Integrated Decision-Support. Sustainability, 2018, 10, 346.	1.6	35

#	Article	IF	CITATIONS
2696	Projected Changes in Hydrological Variables in the Agricultural Region of Alberta, Canada. Water (Switzerland), 2018, 10, 1810.	1.2	13
2697	Meeting Water Quality Goals under Climate Change in Chesapeake Bay Watershed, USA. Journal of the American Water Resources Association, 2018, 54, 1239-1257.	1.0	15
2698	Soil Erosion Modelling and Risk Assessment in Data Scarce Rift Valley Lake Regions, Ethiopia. Water (Switzerland), 2018, 10, 1684.	1,2	49
2699	Analysis of combined and isolated effects of land-use and land-cover changes and climate change on the upper Blue Nile River basin's streamflow. Hydrology and Earth System Sciences, 2018, 22, 6187-6207.	1.9	66
2700	Modeling and assessing land-use and hydrological regimes to future land-use scenario for sustainable watershed management in a semi-arid region of southern India. Environmental Sustainability, 2018, 1, 393-409.	1.4	6
2701	Modelling surface runoff in a large-scale paddy field in Malaysia. International Journal of Hydrology Science and Technology, 2018, 8, 69.	0.2	1
2702	Correction and Informed Regionalization of Precipitation Data in a High Mountainous Region (Upper) Tj ETQq0 0	0 rgBT /O	verlock 10 Tf 34
2703	A Random Forest-Based Approach to Map Soil Erosion Risk Distribution in Hickory Plantations in Western Zhejiang Province, China. Remote Sensing, 2018, 10, 1899.	1.8	18
2704	Modeling freshwater quality scenarios with ecosystem-based adaptation in the headwaters of the Cantareira system, Brazil. Hydrology and Earth System Sciences, 2018, 22, 4699-4723.	1.9	21
2705	SWAT+ versus SWAT2012: Comparison of Sub-Daily Urban Runoff Simulations. Transactions of the ASABE, 2018, 61, 1287-1295.	1.1	8
2706	Development and Integration of Sub-Daily Flood Modelling Capability within the SWAT Model and a Comparison with XAJ Model. Water (Switzerland), 2018, 10, 1263.	1,2	20
2707	A network scale, intermediate complexity model for simulating channel evolution over years to decades. Journal of Hydrology, 2018, 566, 886-900.	2.3	16
2708	Assessing the hydrologic response to wildfires in mountainous regions. Hydrology and Earth System Sciences, 2018, 22, 2527-2550.	1.9	29
2709	Development and Application of a Largeâ€Scale, Physically Based, Distributed Suspended Sediment Transport Model on the Fraser River Basin, British Columbia, Canada. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2481-2508.	1.0	8
2711	Erosion index formulation with respect to reservoir life in the upper Citarum watershed. MATEC Web of Conferences, 2018, 147, 03002.	0.1	0
2712	Evaluation of Multiple Satellite Precipitation Products and Their Use in Hydrological Modelling over the Luanhe River Basin, China. Water (Switzerland), 2018, 10, 677.	1.2	42
2713	Hydrological Modeling of Climate Change Impacts in a Tropical River Basin: A Case Study of the Cauto River, Cuba. Water (Switzerland), 2018, 10, 1135.	1,2	18
2714	Development of SWAT-Paddy for Simulating Lowland Paddy Fields. Sustainability, 2018, 10, 3246.	1.6	15

#	Article	IF	CITATIONS
2715	The Application of a Modified Version of the SWAT Model at the Daily Temporal Scale and the Hydrological Response unit Spatial Scale: A Case Study Covering an Irrigation District in the Hei River Basin. Water (Switzerland), 2018, 10, 1064.	1.2	10
2716	Multi-objective autocalibration of SWAT model for improved low flow performance for a small snowfed catchment. Hydrological Sciences Journal, 2018, 63, 1482-1501.	1.2	21
2717	Water resources management sustainability: Review of the simulation and optimization approaches. AIP Conference Proceedings, 2018 , , .	0.3	0
2718	Woody Plant Encroachment Impacts on Groundwater Recharge: A Review. Water (Switzerland), 2018, 10, 1466.	1.2	45
2719	Efficient flow calibration method for accurate estimation of baseflow using a watershed scale hydrological model (SWAT). Ecological Engineering, 2018, 125, 50-67.	1.6	16
2720	Comparison of Two Methods for Calculating the P Sorption Capacity Parameter in Soils. Soil Science Society of America Journal, 2018, 82, 493-501.	1.2	3
2721	Land use change and sediment yield studies in Ghana: Review. Journal of Geography and Regional Planning, 2018, 11, 122-133.	0.2	8
2722	Evaluation of Potential Evapotranspiration Based on CMADS Reanalysis Dataset over China. Water (Switzerland), 2018, 10, 1126.	1.2	30
2723	Improvement of the SWAT model for event-based flood simulation on a sub-daily timescale. Hydrology and Earth System Sciences, 2018, 22, 5001-5019.	1.9	50
2724	Simulation of surface runoff in Karaj dam basin, Iran. Applied Water Science, 2018, 8, 1.	2.8	4
2724 2725	Simulation of surface runoff in Karaj dam basin, Iran. Applied Water Science, 2018, 8, 1. Integrated assessment of four strategies for solving water imbalance in an agricultural landscape. Agronomy for Sustainable Development, 2018, 38, 1.	2.8	15
	Integrated assessment of four strategies for solving water imbalance in an agricultural landscape.		
2725	Integrated assessment of four strategies for solving water imbalance in an agricultural landscape. Agronomy for Sustainable Development, 2018, 38, 1. Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the	2,2	15
2725 2726	Integrated assessment of four strategies for solving water imbalance in an agricultural landscape. Agronomy for Sustainable Development, 2018, 38, 1. Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the Ogallala Aquifer in the Northern High Plains of Texas. Hydrology, 2018, 5, 53. Assessing the Impact of Site-Specific BMPs Using a Spatially Explicit, Field-Scale SWAT Model with Edge-of-Field and Tile Hydrology and Water-Quality Data in the Eagle Creek Watershed, Ohio. Water	2.2	15 17
2725 2726 2727	Integrated assessment of four strategies for solving water imbalance in an agricultural landscape. Agronomy for Sustainable Development, 2018, 38, 1. Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the Ogallala Aquifer in the Northern High Plains of Texas. Hydrology, 2018, 5, 53. Assessing the Impact of Site-Specific BMPs Using a Spatially Explicit, Field-Scale SWAT Model with Edge-of-Field and Tile Hydrology and Water-Quality Data in the Eagle Creek Watershed, Ohio. Water (Switzerland), 2018, 10, 1299. Assessing the trade-off between shallow groundwater conservation and crop production under limited exploitation in a well-irrigated plain of the Haihe River basin using the SWAT model. Journal of	2.2 1.3	15 17 22
2725 2726 2727 2728	Integrated assessment of four strategies for solving water imbalance in an agricultural landscape. Agronomy for Sustainable Development, 2018, 38, 1. Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the Ogallala Aquifer in the Northern High Plains of Texas. Hydrology, 2018, 5, 53. Assessing the Impact of Site-Specific BMPs Using a Spatially Explicit, Field-Scale SWAT Model with Edge-of-Field and Tile Hydrology and Water-Quality Data in the Eagle Creek Watershed, Ohio. Water (Switzerland), 2018, 10, 1299. Assessing the trade-off between shallow groundwater conservation and crop production under limited exploitation in a well-irrigated plain of the Haihe River basin using the SWAT model. Journal of Hydrology, 2018, 567, 253-266. Potential Changes of Annual-Averaged Nutrient Export in the South Saskatchewan River Basin under Climate and Land-Use Change Scenarios. Water (Switzerland), 2018, 10, 1438. Using Geospatial Analysis and Hydrologic Modeling to Estimate Climate Change Impacts on Nitrogen	2.2 1.3 1.2	15 17 22 27
2725 2726 2727 2728 2729	Integrated assessment of four strategies for solving water imbalance in an agricultural landscape. Agronomy for Sustainable Development, 2018, 38, 1. Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the Ogallala Aquifer in the Northern High Plains of Texas. Hydrology, 2018, 5, 53. Assessing the Impact of Site-Specific BMPs Using a Spatially Explicit, Field-Scale SWAT Model with Edge-of-Field and Tile Hydrology and Water-Quality Data in the Eagle Creek Watershed, Ohio. Water (Switzerland), 2018, 10, 1299. Assessing the trade-off between shallow groundwater conservation and crop production under limited exploitation in a well-irrigated plain of the Haihe River basin using the SWAT model. Journal of Hydrology, 2018, 567, 253-266. Potential Changes of Annual-Averaged Nutrient Export in the South Saskatchewan River Basin under Climate and Land-Use Change Scenarios. Water (Switzerland), 2018, 10, 1438. Using Geospatial Analysis and Hydrologic Modeling to Estimate Climate Change Impacts on Nitrogen Export: Case Study for a Forest and Pasture Dominated Watershed in North Carolina. ISPRS	2.2 1.3 1.2 2.3	15 17 22 27 13

#	Article	IF	Citations
2733	Assessing Impacts of Climate Variability and Reforestation Activities on Water Resources in the Headwaters of the Segura River Basin (SE Spain). Sustainability, 2018, 10, 3277.	1.6	18
2734	Multimodel assessment of climate change-induced hydrologic impacts for a Mediterranean catchment. Hydrology and Earth System Sciences, 2018, 22, 4125-4143.	1.9	25
2735	Analysis of rainfall extremes and water yield of Krishna river basin under future climate scenarios. Journal of Hydrology: Regional Studies, 2018, 19, 287-306.	1.0	41
2736	Integrating Climate Forecasts with the Soil and Water Assessment Tool (SWAT) for High-Resolution Hydrologic Simulations and Forecasts in the Southeastern U.S Sustainability, 2018, 10, 3079.	1.6	15
2737	Model-Based Evaluation of Land Management Strategies with Regard to Multiple Ecosystem Services. Sustainability, 2018, 10, 3844.	1.6	15
2738	Evaluating the Effects of Watershed Size on SWAT Calibration. Water (Switzerland), 2018, 10, 898.	1.2	20
2739	Simulation of Dualistic Hydrological Processes Affected by Intensive Human Activities Based on Distributed Hydrological Model. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	20
2740	Spatial optimization of watershed best management practices based on slope position units. Journal of Soils and Water Conservation, 2018, 73, 504-517.	0.8	16
2741	Evaluation of the effectiveness of conservation practices under implementation site uncertainty. Journal of Environmental Management, 2018, 228, 197-204.	3.8	5
2742	Future Floods in Bangladesh under $1.5 {\rm \^{A}}^{\circ}{\rm C}$, $2 {\rm \^{A}}^{\circ}{\rm C}$, and $4 {\rm \^{A}}^{\circ}{\rm C}$ Global Warming Scenarios. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	29
2743	Environmental Indicator Principium with Case References to Agricultural Soil, Water, and Air Quality and Modelâ€Derived Indicators. Journal of Environmental Quality, 2018, 47, 191-202.	1.0	4
2744	Uncertainty and its propagation estimation for an integrated water system model: An experiment from water quantity to quality simulations. Journal of Hydrology, 2018, 565, 623-635.	2.3	19
2745	Quantifying the Impacts of Climate Change on Streamflow Dynamics of Two Major Rivers of the Northern Lake Erie Basin in Canada. Sustainability, 2018, 10, 2897.	1.6	37
2746	Reservoir Sedimentation Assessment Through Remote Sensing and Hydrological Modelling. Journal of the Indian Society of Remote Sensing, 2018, 46, 1893-1905.	1.2	21
2747	Effects of climate change on water resources in the upper Blue Nile Basin of Ethiopia. Heliyon, 2018, 4, e00771.	1.4	66
2748	Satellite altimetry for measuring river stages in remote regions. Environmental Earth Sciences, 2018, 77, 1.	1.3	3
2749	Using SWAT-LUD Model to Estimate the Influence of Water Exchange and Shallow Aquifer Denitrification on Water and Nitrate Flux. Water (Switzerland), 2018, 10, 528.	1.2	6
2750	Exploring effective best management practices in the Miyun reservoir watershed, China. Ecological Engineering, 2018, 123, 30-42.	1.6	38

#	Article	IF	CITATIONS
2751	Evaluation of crop yield simulations of an eco-hydrological model at different scales for Germany. Field Crops Research, 2018, 228, 48-59.	2.3	2
2752	Quantifying the Sustainability of Water Availability for the Waterâ€Foodâ€Energyâ€Ecosystem Nexus in the Niger River Basin. Earth's Future, 2018, 6, 1292-1310.	2.4	40
2753	Modelling the impact of climate and land cover change on hydrology and water quality in a forest watershed in the Basque Country (Northern Spain). Ecological Engineering, 2018, 122, 315-326.	1.6	21
2754	Comparing Bias Correction Methods Used in Downscaling Precipitation and Temperature from Regional Climate Models: A Case Study from the Kaidu River Basin in Western China. Water (Switzerland), 2018, 10, 1046.	1.2	111
2755	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
2756	Sustainable Management of Reservoir Water Quality and Quantity Through Reservoir Operational Strategy and Watershed Control Strategies. International Journal of Environmental Research, 2018, 12, 773-788.	1.1	11
2757	Assessing the performance of a physically-based soil moisture module integrated within the Soil and Water Assessment Tool. Environmental Modelling and Software, 2018, 109, 329-341.	1.9	33
2758	An Integrated Approach for Modeling Wetland Water Level: Application to a Headwater Wetland in Coastal Alabama, USA. Water (Switzerland), 2018, 10, 879.	1.2	10
2759	A Flexible Framework HydroInformatic Modeling System—HIMS. Water (Switzerland), 2018, 10, 962.	1.2	7
2760	Soil Erosion Modeling and Conservation Planning. Agronomy, 2018, , 1-25.	0.2	1
2761	Precision Conservation for Biofuel Production. Agronomy, 2018, , 253-283.	0.2	2
2762	IDENTIFYING THE POTENTIAL LOCATION OF HYDROPOWER SITES AND ESTIMATING THE TOTAL ENERGY IN BAGMATI RIVER BASIN. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2018, 74, I_315-I_321.	0.1	0
2763	Predicting the effectiveness of different mulching techniques in reducing post-fire runoff and erosion at plot scale with the RUSLE, MMF and PESERA models. Environmental Research, 2018, 165, 365-378.	3.7	64
2764	Impact of climate change and climate anomalies on hydrologic and biogeochemical processes in an agricultural catchment of the Chesapeake Bay watershed, USA. Science of the Total Environment, 2018, 637-638, 1443-1454.	3.9	57
2765	Soil erosion assessment on hillslope of GCE using RUSLE model. Journal of Earth System Science, 2018, 127, 1.	0.6	9
2766	The Importance of Spatiotemporal Variability in Irrigation Inputs for Hydrological Modeling of Irrigated Catchments. Water Resources Research, 2018, 54, 6792-6821.	1.7	21
2767	Modeling Simulation of River Discharge of Loktak Lake Catchment in Northeast India. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	7
2768	New methodology of evaluation of best management practices performances for an agricultural watershed according to the climate change scenarios: A hybrid use of deterministic and decision support models. Ecological Engineering, 2018, 119, 73-83.	1.6	38

#	Article	IF	CITATIONS
2769	Event-based model calibration approaches for selecting representative distributed parameters in semi-urban watersheds. Advances in Water Resources, 2018, 118, 12-27.	1.7	20
2770	An integrated modeling approach for estimating hydrologic responses to future urbanization and climate changes in a mixed-use midwestern watershed. Journal of Environmental Management, 2018, 220, 149-162.	3.8	37
2771	Evaluating evapotranspiration estimation methods in APEX model for dryland cropping systems in a semi-arid region. Agricultural Water Management, 2018, 206, 217-228.	2.4	21
2772	Sensitivity of Streamflow Response in the Snow-Dominated Sierra Nevada Watershed Using Projected CMIP5 Data. Journal of Hydrologic Engineering - ASCE, 2018, 23, 05018015.	0.8	6
2773	Assessing response of sediment load variation to climate change and human activities with six different approaches. Science of the Total Environment, 2018, 639, 773-784.	3.9	63
2774	On the practical usefulness of least squares for assessing uncertainty in hydrologic and water quality predictions. Environmental Modelling and Software, 2018, 105, 286-295.	1.9	12
2775	Effects of large wood on floodplain connectivity in a headwater Mid-Atlantic stream. Ecological Engineering, 2018, 118, 134-142.	1.6	22
2776	Assessment of the water cycle impact by the Budyko curve on watershed hydrology using SWAT and CO2 concentrations derived from Terra MODIS GPP. Ecological Engineering, 2018, 118, 179-190.	1.6	8
2777	Estimating of water erosion in semiarid regions using RUSLE equation under GIS environment. Environmental Earth Sciences, 2018, 77, $\hat{1}$.	1.3	40
2778	Simulation of surface runoff using semi distributed hydrological model for a part of Satluj Basin: parameterization and global sensitivity analysis using SWAT CUP. Modeling Earth Systems and Environment, 2018, 4, 1111-1124.	1.9	27
2779	Spatiotemporal Variability of Soil Moisture and Drought Estimation Using a Distributed Hydrological Model., 2018,, 451-460.		24
2780	Water security assessment of current and future scenarios through an integrated modeling framework in the Neshanic River Watershed. Journal of Hydrology, 2018, 563, 1025-1041.	2.3	35
2781	Conservation dairy farming impact on water quality in a karst watershed in northeastern US. Agricultural Systems, 2018, 165, 187-196.	3.2	22
2782	Influences of agricultural land use composition and distribution on nitrogen export from a subtropical watershed in China. Science of the Total Environment, 2018, 642, 21-32.	3.9	37
2783	Impact of climate change on hydropower generation in Rio Jubones Basin,ÂEcuador. Water Science and Engineering, 2018, 11, 157-166.	1.4	43
2784	Rationalizing Systems Analysis for the Evaluation of Adaptation Strategies in Complex Humanâ€Water Systems. Earth's Future, 2018, 6, 1181-1206.	2.4	31
2785	Development of Future Rule Curves for Multipurpose Reservoir Operation Using Conditional Genetic and Tabu Search Algorithms. Advances in Civil Engineering, 2018, 2018, 1-10.	0.4	15
2786	The response of crop water productivity to climatic variation in the upper-middle reaches of the Heihe River basin, Northwest China. Journal of Hydrology, 2018, 563, 909-926.	2.3	36

#	Article	IF	CITATIONS
2787	How Hydrologic Processes Differ Spatially in a Large Basin: Multisite and Multiobjective Modeling in the Tarim River Basin. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7098-7113.	1.2	36
2788	Monthly Hydrological Indicators to Assess Possible Alterations on Rivers' Flow Regime. Water Resources Management, 2018, 32, 3687-3706.	1.9	14
2789	An improved RUSLE/SDR model for the evaluation of soil erosion. Environmental Earth Sciences, 2018, 77, 1.	1.3	39
2790	Modelling soil erosion in a Mediterranean watershed: Comparison between SWAT and AnnAGNPS models. Environmental Research, 2018, 166, 363-376.	3.7	77
2791	Effects of dynamic land use inputs on improvement of SWAT model performance and uncertainty analysis of outputs. Journal of Hydrology, 2018, 563, 874-886.	2.3	40
2792	Topo-Statistical Analyses of Ponding Area versus Ponding Storage of Depression-Dominated Regions for Macro-Scale Hydrologic Modeling. , 2018, , .		0
2793	An Improved Representation of Vegetative Filter Strips in SWAT. Transactions of the ASABE, 2018, 61, 1017-1024.	1.1	12
2794	Deduction of reservoir operating rules for application in global hydrological models. Hydrology and Earth System Sciences, 2018, 22, 831-851.	1.9	38
2795	Impacts of land-use changes on watershed discharge and water quality in a large intensive agricultural area in Thailand. Hydrological Sciences Journal, 2018, 63, 1386-1407.	1.2	43
2796	Assessment of the Impact of Climate Change on Daily Extreme Peak and Low Flows of Zenne Basin in Belgium. Hydrology, 2018, 5, 38.	1.3	14
2797	Hydrological Evaluation of Flow Diversion Terraces Using Downhill-Slope Calculation Method for High Resolution and Accuracy DEMs. Sustainability, 2018, 10, 2414.	1.6	4
2798	Assessing climate change impacts on river hydrology – A case study in the Western Ghats of India. Journal of Earth System Science, 2018, 127, 1.	0.6	24
2799	Distribution-based sensitivity analysis from a generic input-output sample. Environmental Modelling and Software, 2018, 108, 197-207.	1.9	81
2800	Sediment yield and transport process assessment from reservoir monitoring in a semiâ€arid mountainous river. Hydrological Processes, 2018, 32, 2990-3005.	1.1	7
2801	CALIBRATION AND VALIDATION OF THE SWAT HYDROLOGICAL MODEL FOR THE MUCURI RIVER BASIN. Engenharia Agricola, 2018, 38, 55-63.	0.2	33
2802	Developing a decision support tool for assessing land use change and BMPs in ungauged watersheds based on decision rules provided by SWAT simulation. Hydrology and Earth System Sciences, 2018, 22, 3789-3806.	1.9	21
2803	Modelling the dynamics of evapotranspiration using Variable Infiltration Capacity model and regionally calibrated Hargreaves approach. Irrigation Science, 2018, 36, 289-300.	1.3	35
2804	Satellite observations and modeling to understand the Lower Mekong River Basin streamflow variability. Journal of Hydrology, 2018, 564, 559-573.	2.3	59

#	Article	IF	CITATIONS
2805	Evaluation of the impacts of hydrologic model calibration methods on predictability of ecologically-relevant hydrologic indices. Journal of Hydrology, 2018, 564, 758-772.	2.3	10
2806	Impact of conservation tillage on nitrogen and phosphorus runoff losses in a potato crop system in Fuquene watershed, Colombia. Agricultural Water Management, 2018, 209, 62-72.	2.4	40
2807	Assessment of hydrologic vulnerability to urbanization and climate change in a rapidly changing watershed in the Southeast U.S Science of the Total Environment, 2018, 645, 806-816.	3.9	35
2808	Multi-Objective Validation of SWAT for Sparsely-Gauged West African River Basins—A Remote Sensing Approach. Water (Switzerland), 2018, 10, 451.	1.2	30
2809	Estimating the very fine sand fraction for calculating the soil erodibility K â€factor. Land Degradation and Development, 2018, 29, 3595-3606.	1.8	6
2810	GIS for Hydrology. , 2018, , 51-80.		7
2811	Trace Metal Modelling of a Complex River Basin Using the Suite of Models Integrated in the OpenMI Platform. Environments - MDPI, 2018, 5, 48.	1.5	8
2812	Impact of Climate Change on Flood Frequency and Intensity in the Kabul River Basin. Geosciences (Switzerland), 2018, 8, 114.	1.0	63
2813	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
2814	Assessing the relative importance of parameter estimation in stream health based environmental justice modeling. Journal of Hydrology, 2018, 563, 211-222.	2.3	1
2815	Hydrological Simulation of a Rainfed Agricultural Watershed Using the Soil and Water Assessment Tool (SWAT). Handbook of Environmental Chemistry, 2018, , 317-347.	0.2	3
2816	Assessment of Climate Change Impacts on Surface Water Hydrologic Processes in New Mexico-Texas-Mexico Border Region. , 2018, , .		2
2817	Spatial Modeling of Soil Erosion Risk and Its Implication for Conservation Planning: the Case of the Gobele Watershed, East Hararghe Zone, Ethiopia. Land, 2018, 7, 25.	1.2	62
2818	Improved Hydrological Decision Support System for the Lower Mekong River Basin Using Satellite-Based Earth Observations. Remote Sensing, 2018, 10, 885.	1.8	59
2819	Hydro-Meteorological Assessment of Three GPM Satellite Precipitation Products in the Kelantan River Basin, Malaysia. Remote Sensing, 2018, 10, 1011.	1.8	53
2820	Calibration of a Field-Scale Soil and Water Assessment Tool (SWAT) Model with Field Placement of Best Management Practices in Alger Creek, Michigan. Sustainability, 2018, 10, 851.	1.6	25
2821	Effects of Non-Stationarity on Flood Frequency Analysis: Case Study of the Cheongmicheon Watershed in South Korea. Sustainability, 2018, 10, 1329.	1.6	4
2822	Diagnosis and Treatment of the SWAT Hydrological Response Using the Budyko Framework. Sustainability, 2018, 10, 1373.	1.6	10

#	Article	IF	Citations
2823	Improved Drought Prediction Using Near Real-Time Climate Forecasts and Simulated Hydrologic Conditions. Sustainability, 2018, 10, 1799.	1.6	23
2824	Impact of Climate Change on Daily Streamflow and Its Extreme Values in Pacific Island Watersheds. Sustainability, 2018, 10, 2057.	1.6	16
2825	A Guideline for Successful Calibration and Uncertainty Analysis for Soil and Water Assessment: A Review of Papers from the 2016 International SWAT Conference. Water (Switzerland), 2018, 10, 6.	1.2	246
2826	Rice Intensification in a Changing Environment: Impact on Water Availability in Inland Valley Landscapes in Benin. Water (Switzerland), 2018, 10, 74.	1.2	15
2827	A Comparison of SWAT and ANN Models for Daily Runoff Simulation in Different Climatic Zones of Peninsular Spain. Water (Switzerland), 2018, 10, 192.	1.2	113
2828	Calibration of Spatially Distributed Hydrological Processes and Model Parameters in SWAT Using Remote Sensing Data and an Auto-Calibration Procedure: A Case Study in a Vietnamese River Basin. Water (Switzerland), 2018, 10, 212.	1.2	44
2829	Impact of Climate Change on Water Resources of the Bheri River Basin, Nepal. Water (Switzerland), 2018, 10, 220.	1.2	38
2830	Hydrological Responses to Various Land Use, Soil and Weather Inputs in Northern Lake Erie Basin in Canada. Water (Switzerland), 2018, 10, 222.	1.2	14
2831	Separating Wet and Dry Years to Improve Calibration of SWAT in Barrett Watershed, Southern California. Water (Switzerland), 2018, 10, 274.	1.2	24
2832	Assessment of Baseflow Estimates Considering Recession Characteristics in SWAT. Water (Switzerland), 2018, 10, 371.	1.2	27
2833	Uncertainty in a Lumped and a Semi-Distributed Model for Discharge Prediction in Ghatshila Catchment. Water (Switzerland), 2018, 10, 381.	1.2	9
2834	Hydrological Process Simulation of Inland River Watershed: A Case Study of the Heihe River Basin with Multiple Hydrological Models. Water (Switzerland), 2018, 10, 421.	1.2	7
2835	Hydrologic Response to Land Use Change in a Large Basin in Eastern Amazon. Water (Switzerland), 2018, 10, 429.	1.2	48
2836	An Alternative Approach to Overcome the Limitation of HRUs in Analyzing Hydrological Processes Based on Land Use/Cover Change. Water (Switzerland), 2018, 10, 434.	1.2	8
2837	Hydrological Modeling in Data-Scarce Catchments: The Kilombero Floodplain in Tanzania. Water (Switzerland), 2018, 10, 599.	1.2	38
2838	Effects of Input Data Content on the Uncertainty of Simulating Water Resources. Water (Switzerland), 2018, 10, 621.	1.2	14
2839	Evaluation of Multi-Satellite Precipitation Products for Streamflow Simulations: A Case Study for the Han River Basin in the Korean Peninsula, East Asia. Water (Switzerland), 2018, 10, 642.	1.2	52
2840	Use of Decision Tables to Simulate Management in SWAT+. Water (Switzerland), 2018, 10, 713.	1.2	46

#	Article	IF	CITATIONS
2841	Application of SWAT Model with CMADS Data to Estimate Hydrological Elements and Parameter Uncertainty Based on SUFI-2 Algorithm in the Lijiang River Basin, China. Water (Switzerland), 2018, 10, 742.	1.2	51
2842	Watershed Sediment and Its Effect on Storage Capacity: Case Study of Dokan Dam Reservoir. Water (Switzerland), 2018, 10, 858.	1.2	19
2843	Multiple Climate Change Scenarios and Runoff Response in Biliu River. Water (Switzerland), 2018, 10, 126.	1.2	16
2844	A probabilistic appraisal of rainfall-runoff modeling approaches within SWAT in mixed land use watersheds. Journal of Hydrology, 2018, 564, 476-489.	2.3	41
2846	Estimating soil water in high-rainfall zones under pasture. Agricultural Systems, 2018, 165, 252-263.	3.2	2
2847	Prediction of land use changes based on Land Change Modeler and attribution of changes in the water balance of Ganga basin to land use change using the SWAT model. Science of the Total Environment, 2018, 644, 503-519.	3.9	173
2848	Spatial hydrological responses to land use and land cover changes in a typical catchment of the Yangtze River Delta region. Catena, 2018, 170, 305-315.	2.2	58
2849	Modelling ungauged catchments using the catchment runoff response similarity. Journal of Hydrology, 2018, 564, 452-466.	2.3	49
2850	A QGIS plugin to tailor SWAT watershed delineations to lake and reservoir waterbodies. Environmental Modelling and Software, 2018, 108, 67-71.	1.9	18
2851	Modeling anthropogenic nitrogen flow for the Niantic River catchment in coastal New England. Landscape Ecology, 2018, 33, 1385-1398.	1.9	2
2852	Modeling nitrous oxide emissions from rough fescue grassland soils subjected to long-term grazing of different intensities using the Soil and Water Assessment Tool (SWAT). Environmental Science and Pollution Research, 2018, 25, 27362-27377.	2.7	16
2853	Diatoms as an indicator for tile drainage flow in a German lowland catchment. Environmental Sciences Europe, 2018, 30, 4.	2.6	5
2854	Analysis of water balance by surface–groundwater interaction using the SWAT model for the Han River basin, South Korea. Paddy and Water Environment, 2018, 16, 543-560.	1.0	8
2855	Spatiotemporal features of the hydro-biogeochemical cycles in a typical loess gully watershed. Ecological Indicators, 2018, 91, 542-554.	2.6	36
2856	Biomass production in the Lower Mississippi River Basin: Mitigating associated nutrient and sediment discharge to the Gulf of Mexico. Science of the Total Environment, 2018, 635, 1585-1599.	3.9	12
2857	Nutrient inputs and hydrology together determine biogeochemical status of the Loire River (France): Current situation and possible future scenarios. Science of the Total Environment, 2018, 637-638, 609-624.	3.9	35
2858	Impact of Land Use Change on Hydrologic Processes in a Large Plain Irrigation District. Water Resources Management, 2018, 32, 3203-3217.	1.9	21
2859	Modelling the regulation effects of lowland polder with pumping station on hydrological processes and phosphorus loads. Science of the Total Environment, 2018, 637-638, 200-207.	3.9	15

#	Article	IF	Citations
2860	Using Integrated Environmental Modeling to Assess Sources of Microbial Contamination in Mixedâ€Use Watersheds. Journal of Environmental Quality, 2018, 47, 1103-1114.	1.0	5
2861	Optimisation of Multipurpose Reservoir Operation by Coupling Soil and Water Assessment Tool (SWAT) and Genetic Algorithm for Optimal Operating Policy (Case Study: Ganga River Basin). Sustainability, 2018, 10, 1660.	1.6	28
2862	Hydrological response to future land-use change and climate change in a tropical catchment. Hydrological Sciences Journal, 2018, 63, 1368-1385.	1.2	92
2863	Assessment of the Spatiotemporal Effects of Land Use Changes on Runoff and Nitrate Loads in the Talar River. Water (Switzerland), 2018, 10, 445.	1.2	29
2864	Evaluation of Watershedâ€Scale Simulations of Inâ€Stream Pesticide Concentrations from Offâ€Target Spray Drift. Journal of Environmental Quality, 2018, 47, 79-87.	1.0	9
2865	Enhancing SWAT simulation of forest ecosystems for water resource assessment: A case study in the St. Croix River basin. Ecological Engineering, 2018, 120, 422-431.	1.6	25
2866	Effect of DEM Resolution, Source, Resampling Technique and Area Threshold on SWAT Outputs. Water Resources Management, 2018, 32, 4591-4606.	1.9	40
2867	Modeling the Impact of Land Use Change on Basinâ€scale Transfer of Fecal Indicator Bacteria: SWAT Model Performance. Journal of Environmental Quality, 2018, 47, 1115-1122.	1.0	14
2868	Hydrologic impacts of drought-adaptive agricultural water management in a semi-arid river basin: Case of Rincon Valley, New Mexico. Agricultural Water Management, 2018, 209, 206-218.	2.4	24
2869	Agricultural development in Ecuador: A compromise between water and food security?. Journal of Cleaner Production, 2018, 202, 779-791.	4.6	19
2870	Using the SWAT Model in Intensively Managed Irrigated Watersheds: Model Modification and Application. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	25
2871	Hydrological responses to land degradation in the Northwest Benin Owena River Basin, Nigeria. Journal of Environmental Management, 2018, 225, 300-312.	3.8	26
2872	Parameter Uncertainty Analysis of the SWAT Model in a Mountain-Loess Transitional Watershed on the Chinese Loess Plateau. Water (Switzerland), 2018, 10, 690.	1.2	70
2873	The Water Implications of Greenhouse Gas Mitigation: Effects on Land Use, Land Use Change, and Forestry. Sustainability, 2018, 10, 2367.	1.6	6
2874	Lumped versus Distributed Hydrological Modeling of the Jacaré-Guaçu Basin, Brazil. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	15
2875	Hydrological impacts of moderate and high-end climate change across European river basins. Journal of Hydrology: Regional Studies, 2018, 18, 15-30.	1.0	45
2876	Assessing resource-use efficiency of land use. Environmental Modelling and Software, 2018, 107, 34-49.	1.9	36
2878	A Modeling Study of Direct and Indirect N ₂ 0 Emissions From a Representative Catchment in the U.S. Corn Belt. Water Resources Research, 2018, 54, 3632-3653.	1.7	30

#	ARTICLE	IF	CITATIONS
2879	A New Fully Distributed Model of Nitrate Transport and Removal at Catchment Scale. Water Resources Research, 2018, 54, 5856-5877.	1.7	39
2880	Spatiotemporal impacts of land use land cover changes on hydrology from the mechanism perspective using SWAT model with time-varying parameters. Hydrology Research, 2019, 50, 244-261.	1.1	62
2881	Modelling streamflow response to climate change in data-scarce White Volta River basin of West Africa using a semi-distributed hydrologic model. Journal of Water and Climate Change, 2019, 10, 907-930.	1.2	4
2882	Comprehensive simulation of nitrate transport in coupled surface-subsurface hydrologic systems using the linked SWAT-MODFLOW-RT3D model. Environmental Modelling and Software, 2019, 122, 104242.	1.9	62
2883	Sustainable Development of Water Resources and Hydraulic Engineering in China. Environmental Earth Sciences, 2019, , .	0.1	7
2884	Coupling machine-learning techniques with SWAT model for instantaneous peak flow prediction. Biosystems Engineering, 2019, 177, 67-77.	1.9	48
2885	Effects of damming and climatic change on the eco-hydrological system: A case study in the Yalong River, southwest China. Ecological Indicators, 2019, 105, 663-674.	2.6	39
2886	Applicability of Runoff Simulation in the Zhanghe Upstream Based on SWAT Model. Environmental Earth Sciences, 2019, , 317-326.	0.1	1
2887	Dynamic Water Environmental Capacity Calculations of Rivers Based on Hydrological Processes. Environmental Earth Sciences, 2019, , 57-70.	0.1	1
2888	Modeling Climate Change Impact on the Hydrology of Keleta Watershed in the Awash River Basin, Ethiopia. Environmental Modeling and Assessment, 2019, 24, 95-107.	1.2	54
2889	Runoff Simulation Using SWAT Model in the Middle Reaches of the Dagu River Basin. Environmental Earth Sciences, 2019, , 115-126.	0.1	5
2890	Development of a model to simulate soil heavy metals lateral migration quantity based on SWAT in Huanjiang watershed, China. Journal of Environmental Sciences, 2019, 77, 115-129.	3.2	27
2891	Run-off–erosion modelling and water balance in the Epitácio Pessoa Dam river basin, ParaÃba State in Brazil. International Journal of Environmental Science and Technology, 2019, 16, 3035-3048.	1.8	22
2892	Watershed Models. , 2019, , 221-232.		0
2893	Hydrological modeling of water and soil resources in the basin upstream of the Allal El Fassi dam (Upper Sebou watershed, Morocco). Modeling Earth Systems and Environment, 2019, 5, 1163-1177.	1.9	19
2894	Web-based decision support system tools: The Soil and Water Assessment Tool Online visualization and analyses (SWATOnline) and NASA earth observation data downloading and reformatting tool (NASAaccess). Environmental Modelling and Software, 2019, 120, 104499.	1.9	29
2895	Experimental study on the influence of vegetation on the slope flow concentration time. Natural Hazards, 2019, 98, 751-763.	1.6	1
2896	Evaluating environmental change and behavioral decision-making for sustainability policy using an agent-based model: A case study for the Smoky Hill River Watershed, Kansas. Science of the Total Environment, 2019, 695, 133769.	3.9	16

#	Article	IF	CITATIONS
2897	Modeling the impacts of agricultural best management practices on runoff, sediment, and crop yield in an agriculture-pasture intensive watershed. PeerJ, 2019, 7, e7093.	0.9	9
2898	Monocular Dynamic Machine Vision-Based Pearl Shape Detection. Journal of Shanghai Jiaotong University (Science), 2019, 24, 654-662.	0.5	0
2899	A WEAP-MODFLOW surface water-groundwater model for the irrigated Miyandoab plain, Urmia lake basin, Iran: Multi-objective calibration and quantification of historical drought impacts. Agricultural Water Management, 2019, 223, 105704.	2.4	39
2900	Insights from watershed simulations around the world: Watershed service-based restoration does not significantly enhance streamflow. Global Environmental Change, 2019, 58, 101938.	3.6	11
2901	Assessing streamflow sensitivity of forested headwater catchments to disturbance and climate change in the central Appalachian Mountains region, USA. Science of the Total Environment, 2019, 694, 133382.	3.9	25
2902	Assessment of System Responses in Intensively Irrigated Stream–Aquifer Systems Using SWAT-MODFLOW. Water (Switzerland), 2019, 11, 1576.	1.2	30
2903	Hydrologic Response in an Urban Watershed as Affected by Climate and Land-Use Change. Water (Switzerland), 2019, 11, 1603.	1,2	23
2904	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
2905	Revisiting SWAT as a Saturation-Excess Runoff Model. Water (Switzerland), 2019, 11, 1427.	1.2	8
2906	Evaluation of Watershed Scale Aquatic Ecosystem Health by SWAT Modeling and Random Forest Technique. Sustainability, 2019, 11, 3397.	1.6	13
2907	Assessment of Climate Change Impacts on Extreme High and Low Flows: An Improved Bottom-Up Approach. Water (Switzerland), 2019, 11, 1236.	1.2	15
2908	Human-Induced Alterations to Land Use and Climate and Their Responses for Hydrology and Water Management in the Mekong River Basin. Water (Switzerland), 2019, 11, 1307.	1.2	47
2909	DECIPHER v1: Dynamic fluxEs and Connectivity for Predictions of HydRology. Geoscientific Model Development, 2019, 12, 2285-2306.	1.3	51
2910	Assessing the potential impacts of climate and land use change on water fluxes and sediment transport in a loosely coupled system. Journal of Hydrology, 2019, 577, 123955.	2.3	34
2911	Long-Term (1986–2015) Crop Water Use Characterization over the Upper Rio Grande Basin of United States and Mexico Using Landsat-Based Evapotranspiration. Remote Sensing, 2019, 11, 1587.	1.8	41
2912	Assessment of Climate Change and Associated Vegetation Cover Change on Watershed-Scale Runoff and Sediment Yield. Water (Switzerland), $2019, 11, 1373$.	1.2	27
2913	Estimation of sedimentation rate of Tikvesh Reservoir in Republic of Macedonia using SWAT. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	2
2914	Hydrological Components Variability under the Impact of Climate Change in a Semi-Arid River Basin. Water (Switzerland), 2019, 11, 1122.	1.2	14

#	Article	IF	CITATIONS
2915	Spatially distributed model calibration of a highly managed hydrological system using remote sensing-derived ET data. Journal of Hydrology, 2019, 577, 123944.	2.3	55
2916	Simulating sub-daily hydrological process with SWAT: a review. Hydrological Sciences Journal, 2019, 64, 1415-1423.	1.2	32
2917	On the evaluation of soil erosion models: Are we doing enough?. Earth-Science Reviews, 2019, 197, 102898.	4.0	133
2918	Climate and Land Use Effects on Hydrologic Processes in a Primarily Rainâ€Fed, Agricultural Watershed. Journal of the American Water Resources Association, 2019, 55, 1196-1215.	1.0	12
2919	Modelling Technique for Sediment Evaluation at Reservoir (South India). Water Resources, 2019, 46, 553-562.	0.3	3
2920	Evaluation of multisite performance of SWAT model in the Gomti River Basin, India. Applied Water Science, 2019, 9, 1.	2.8	27
2921	A coupled surface water storage and subsurface water dynamics model in SWAT for characterizing hydroperiod of geographically isolated wetlands. Advances in Water Resources, 2019, 131, 103380.	1.7	25
2922	Multiple modeling to estimate sediment loss and transport capacity employing hourly rainfall and In-Situ data: A prioritization of highland watershed in Awash River basin, Ethiopia. Catena, 2019, 182, 104173.	2.2	13
2923	Hydrologic Modeling for Sustainable Water Resources Management in Urbanized Karst Areas. International Journal of Environmental Research and Public Health, 2019, 16, 2542.	1.2	29
2924	Conjunctive Water Resources Management in Densely Urbanized Karst Areas: A Study in the Sete Lagoas Region, State of Minas Gerais, Brazil. Sustainability, 2019, 11, 3944.	1.6	4
2925	Vulnerability of a Northeast Mediterranean Island to Soil Loss. Can Grazing Management Mitigate Erosion?. Water (Switzerland), 2019, 11, 1491.	1.2	27
2926	Distributive rainfall–runoff modelling to understand runoff-to-baseflow proportioning and its impact on the determination of reserve requirements of the Verlorenvlei estuarine lake, west coast, South Africa. Hydrology and Earth System Sciences, 2019, 23, 2679-2697.	1.9	18
2927	Predicting non-point source of pollution in Maithon reservoir using a semi-distributed hydrological model. Environmental Monitoring and Assessment, 2019, 191, 522.	1.3	9
2928	Assessing Watershed-Scale Stormwater Green Infrastructure Response to Climate Change in Clarksburg, Maryland. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	21
2929	Modeling Flow, Nutrient, and Sediment Delivery from a Large International Watershed Using a Fieldâ€Scale SWAT Model. Journal of the American Water Resources Association, 2019, 55, 1288-1305.	1.0	10
2930	Land Use Change Impacts on Hydrology in the Nenjiang River Basin, Northeast China. Forests, 2019, 10, 476.	0.9	17
2931	Performance evaluation of satellite-based rainfall products on hydrological modeling for a transboundary catchment in northwest Africa. Theoretical and Applied Climatology, 2019, 138, 1695-1713.	1.3	4
2932	Active future rule curves for multi-purpose reservoir operation on the impact of climate and land use changes. Journal of Hydro-Environment Research, 2019, 24, 1-13.	1.0	12

#	Article	IF	CITATIONS
2933	Contribution of climatic variability and human activities to stream flow changes in the Haraz River basin, northern Iran. Journal of Hydro-Environment Research, 2019, 25, 12-24.	1.0	54
2934	Hybrid machine learning framework for hydrological assessment. Journal of Hydrology, 2019, 577, 123913.	2.3	28
2935	Impacts of Hydrological Changes on Nutrient Transport From Diffuse Sources in a Rural River Basin, Western Japan. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2565-2581.	1.3	15
2936	Effects of Different Spatial Configuration Units for the Spatial Optimization of Watershed Best Management Practice Scenarios. Water (Switzerland), 2019, 11, 262.	1.2	14
2937	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
2938	Preliminary farm-level estimation of 20-year impact of introduction of energy crops in conventional farms in the UK. Renewable and Sustainable Energy Reviews, 2019, 116, 109407.	8.2	8
2939	SWAT-Based Runoff Simulation and Runoff Responses to Climate Change in the Headwaters of the Yellow River, China. Atmosphere, 2019, 10, 509.	1.0	11
2940	Assessment of Sediment Transport Functions with the Modified SWAT-Twn Model for a Taiwanese Small Mountainous Watershed. Water (Switzerland), 2019, 11, 1749.	1.2	21
2941	A Long–Term Response-Based Rainfall-Runoff Hydrologic Model: Case Study of The Upper Blue Nile. Hydrology, 2019, 6, 69.	1.3	5
2942	Beyond model metrics: The perils of calibrating hydrologic models. Journal of Hydrology, 2019, 578, 124032.	2.3	30
2943	Is returning farmland to forest an effective measure to reduce phosphorus delivery across distinct spatial scales?. Journal of Environmental Management, 2019, 252, 109663.	3.8	16
2944	Identification of Potential Locations for Run-of-River Hydropower Plants Using a GIS-Based Procedure. Energies, 2019, 12, 3446.	1.6	18
2945	Random forest, support vector machine, and neural networks to modelling suspended sediment in Tigris River-Baghdad. Environmental Monitoring and Assessment, 2019, 191, 673.	1.3	50
2946	Evaluating the effectiveness of the pollutant discharge permit program in China: A case study of the Nenjiang River Basin. Journal of Environmental Management, 2019, 251, 109501.	3.8	14
2947	Assessing sub-daily rainstorm variability and its effects on flood processes in the Yangtze River Delta region. Hydrological Sciences Journal, 2019, 64, 1972-1981.	1.2	6
2948	Sediment Yield Modeling Using SWAT Model: Case of Changjiang River Basin. IOP Conference Series: Earth and Environmental Science, 0, 234, 012031.	0.2	7
2949	Convergence rates of nonlinear Stokes problems in homogenization. Boundary Value Problems, 2019, 2019, .	0.3	0
2950	Assessing the Impact of Reservoir Parameters on Runoff in the Yalong River Basin using the SWAT Model. Water (Switzerland), 2019, 11, 643.	1.2	37

#	Article	IF	CITATIONS
2951	Implications of groundwater development and seawater intrusion for sustainability of a Mediterranean coastal aquifer in Tunisia. Environmental Monitoring and Assessment, 2019, 191, 696.	1.3	22
2952	Evaluating the applicability and scalability of bias corrected CFSR climate data for hydrological modeling in upper Blue Nile basin, Ethiopia. , 2019, , 11-22.		4
2953	The impact of climate change on mean and extreme state of hydrological variables in Megech watershed, Upper Blue Nile Basin, Ethiopia. , 2019, , 123-135.		3
2954	Assessment of catchment water resources availability under projected climate change scenarios and increased demand in Central Rift Valley Basin., 2019, , 151-163.		4
2955	Evaluation of globally available water resources reanalysis (WRR-1) runoff products for assessment and management water resources in the Upper Blue Nile basin: A data scarce major subbasins of the Nile basin., 2019,, 165-173.		2
2956	Impacts of land use and climate change on streamflow and water balance of two sub-catchments of the Murrumbidgee River in South Eastern Australia. , 2019, , 175-190.		1
2957	Impacts of Climate Change and Human Activities on Runoff Variation of the Intensive Phosphate Mined Huangbaihe River Basin, China. Water (Switzerland), 2019, 11, 2039.	1,2	8
2958	Integrated Assessment of Climate Change and Land Use Change Impacts on Hydrology in the Kathmandu Valley Watershed, Central Nepal. Water (Switzerland), 2019, 11, 2059.	1.2	27
2959	Simulating the Impact of Climate Change on the Hydrological Regimes of a Sparsely Gauged Mountainous Basin, Northern Pakistan. Water (Switzerland), 2019, 11, 2141.	1.2	22
2961	Assessing the Impact of Best Management Practices in a Highly Anthropogenic and Ungauged Watershed Using the SWAT Model: A Case Study in the El Beal Watershed (Southeast Spain). Agronomy, 2019, 9, 576.	1.3	36
2962	Process-based Analysis of the Climate Change Impacts on Primary Hydro-Salinity of the River Ecosystems. Water Resources Management, 2019, 33, 4287-4302.	1.9	4
2963	A modular and parallelized watershed modeling framework. Environmental Modelling and Software, 2019, 122, 104526.	1.9	22
2964	SWAT‣UT: A Desktop Graphical User Interface for Updating Land Use in SWAT. Journal of the American Water Resources Association, 2019, 55, 1102-1115.	1.0	30
2965	The analysis of nitrogen load and simulation uncertainty using SWAT in a catchment with paddy field in China. Water Science and Technology, 2019, 80, 806-816.	1.2	8
2966	New Bidirectional Ammonia Flux Model in an Air Quality Model Coupled With an Agricultural Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 2934-2957.	1.3	31
2967	Land use planning based on soil and water assessment tool model in a mountainous watershed to reduce runoff and sediment load. Canadian Journal of Soil Science, 2019, 99, 305-320.	0.5	3
2968	Combined effect of land use/cover types and slope gradient in sediment and nutrient losses in Chancho and Sorga sub watersheds, East Wollega Zone, Oromia, Ethiopia. Environmental Systems Research, 2019, 8, .	1.5	12
2969	Physics-Based Assessment of Climate Change Impact on Long-Term Regional Bridge Scour Risk Using Hydrologic Modeling: Application to Lehigh River Watershed. Journal of Bridge Engineering, 2019, 24, .	1.4	33

#	ARTICLE	IF	Citations
2970	LID coupled design of drainage model using GIS and SWMM. ISH Journal of Hydraulic Engineering, 2021, 27, 376-389.	1.1	10
2971	A review of the effects of climate change on riverine flooding in subtropical and tropical regions. Journal of Water and Climate Change, 2019, 10, 687-707.	1.2	59
2972	Modeling the impact of agricultural crops on the spatial and seasonal variability of water balance components in the Lake Tana basin, Ethiopia. Hydrology Research, 2019, 50, 1376-1396.	1.1	18
2974	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
2975	The ecohydrological approach, SWAT modelling, and multi-stakeholder engagement – A system solution to diffuse pollution in the Pilica basin, Poland. Journal of Environmental Management, 2019, 248, 109329.	3.8	10
2976	Remote sensing and modeling fusion for investigating the ecosystem water-carbon coupling processes. Science of the Total Environment, 2019, 697, 134064.	3.9	43
2977	Using SWAT to Simulate Streamflow in Trinity River Basin, Texas, USA. , 2019, , .		3
2978	Representation and improved parameterization of reservoir operation in hydrological and land-surface models. Hydrology and Earth System Sciences, 2019, 23, 3735-3764.	1.9	79
2979	Multi-objective future rule curves using conditional tabu search algorithm and conditional genetic algorithm for reservoir operation. Heliyon, 2019, 5, e02401.	1.4	15
2980	T10. Stress-Induced Salience Network Connectivity is Predictive of Post-Traumatic Stress Levels. Biological Psychiatry, 2019, 85, S133.	0.7	0
2981	WOF-SWAT: A Web-Based Open-Source Framework for Investigating the Hydrological Impacts of Climate Change and Human Activities Through Online Simulation and Visualization of SWAT Models. ISPRS International Journal of Geo-Information, 2019, 8, 368.	1.4	5
2982	Assessment of land use and climate change effects on land subsidence using a hydrological model and radar technique. Journal of Hydrology, 2019, 578, 124070.	2.3	31
2983	Climate change-induced drought evolution over the past 50 years in the southern Chinese Loess Plateau. Environmental Modelling and Software, 2019, 122, 104519.	1.9	42
2984	Understanding the effects of soil data quality on SWAT model performance and hydrological processes in Tamedroust watershed (Morocco). Journal of African Earth Sciences, 2019, 160, 103616.	0.9	27
2985	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
2986	Can We Calibrate a Daily Time-Step Hydrological Model Using Monthly Time-Step Discharge Data?. Water (Switzerland), 2019, 11, 1750.	1.2	15
2987	Mapping Geospatial Processes Affecting the Environmental Fate of Agricultural Pesticides in Africa. International Journal of Environmental Research and Public Health, 2019, 16, 3523.	1.2	10
2988	An ensemble modeling framework to study the effects of climate change on the trophic state of shallow reservoirs. Science of the Total Environment, 2019, 697, 134078.	3.9	32

#	ARTICLE	IF	CITATIONS
2989	Coupling HEC-RAS and HEC-HMS in rainfall–runoff modeling and evaluating floodplain inundation maps in arid environments: case study of Ain Sefra city, Ksour Mountain. SW of Algeria. Environmental Earth Sciences, 2019, 78, 1.	1.3	55
2990	Coupled analysis on land use, landscape pattern and nonpoint source pollution loads in Shitoukoumen Reservoir watershed, China. Sustainable Cities and Society, 2019, 51, 101788.	5.1	30
2991	Sensitivity of Streamflow Characteristics to Different Spatial Land-Use Configurations in Tropical Catchment. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	8
2992	Improving the Accuracy of Hydrodynamic Simulations in Data Scarce Environments Using Bayesian Model Averaging: A Case Study of the Inner Niger Delta, Mali, West Africa. Water (Switzerland), 2019, 11, 1766.	1.2	7
2993	A combined methodology for estimating the potential natural aquifer recharge in an arid environment. Hydrological Sciences Journal, 2019, 64, 1727-1745.	1.2	4
2994	Development of water and energy Budget-based Rainfall-Runoff-Inundation model (WEB-RRI) and its verification in the Kalu and Mundeni River Basins, Sri Lanka. Journal of Hydrology, 2019, 579, 124163.	2.3	17
2995	The effect of sampling frequency and strategy on water quality modelling driven by high-frequency monitoring data in a boreal catchment. Journal of Hydrology, 2019, 579, 124186.	2.3	25
2996	An approach to revising the climate forecast system reanalysis rainfall data in a sparsely-gauged mountain basin. Atmospheric Research, 2019, 220, 194-205.	1.8	12
2997	Water erosion assessment methods: a review. ISH Journal of Hydraulic Engineering, 2021, 27, 434-441.	1.1	21
2998	Transition Pathways to Sustainable Agricultural Water Management: A Review of Integrated Modeling Approaches. Journal of the American Water Resources Association, 2019, 55, 6-23.	1.0	13
2999	Evaluation of the GSMaP_Gauge products using rain gauge observations and SWAT model in the Upper Hanjiang River Basin. Atmospheric Research, 2019, 219, 153-165.	1.8	38
3000	Microbial kinetics and thermodynamic (MKT) processes for soil organic matter decomposition and dynamic oxidation-reduction potential: Model descriptions and applications to soil N2O emissions. Environmental Pollution, 2019, 247, 812-823.	3.7	29
3001	Enhancing SWAT with remotely sensed LAI for improved modelling of ecohydrological process in subtropics. Journal of Hydrology, 2019, 570, 802-815.	2.3	55
3002	Quantifying relationships between watershed characteristics and hydroecological indices of Missouri streams. Science of the Total Environment, 2019, 654, 1305-1315.	3.9	3
3003	Mapping landscape-level hydrological connectivity of headwater wetlands to downstream waters: A catchment modeling approach - Part 2. Science of the Total Environment, 2019, 653, 1557-1570.	3.9	31
3004	Returns on investment in watershed conservation: Application of a best practices analytical framework to the Rio Camboriú Water Producer program, Santa Catarina, Brazil. Science of the Total Environment, 2019, 657, 1368-1381.	3.9	50
3005	Parameter Estimation and Uncertainty Analysis: A Comparison between Continuous and Event-Based Modeling of Streamflow Based on the Hydrological Simulation Program–Fortran (HSPF) Model. Water (Switzerland), 2019, 11, 171.	1.2	16
3006	Comparison of the alternative models SOURCE and SWAT for predicting catchment streamflow, sediment and nutrient loads under the effect of land use changes. Science of the Total Environment, 2019, 662, 254-265.	3.9	37

#	Article	IF	CITATIONS
3007	Parameterization and uncertainty analysis of stream flow in the Barak River basin $\hat{a} \in \text{``a case study. ISH Journal of Hydraulic Engineering, 2019, , 1-11.}$	1.1	2
3008	Temporal and spatial scaling effects of parameter sensitivity in relation to non-point source pollution simulation. Journal of Hydrology, 2019, 571, 36-49.	2.3	41
3009	A Modeling Approach to Diagnose the Impacts of Global Changes on Discharge and Suspended Sediment Concentration within the Red River Basin. Water (Switzerland), 2019, 11, 958.	1.2	16
3010	On the Use of NLDAS2 Weather Data for Hydrologic Modeling in the Upper Mississippi River Basin. Water (Switzerland), 2019, 11, 960.	1.2	11
3011	The Impact of Reservoirs on Runoff Under Climate Change: A Case of Nierji Reservoir in China. Water (Switzerland), 2019, 11, 1005.	1.2	13
3012	A Generic Approach for Live Prediction of the Risk of Agricultural Field Runoff and Delivery to Watercourses: Linking Parsimonious Soil-Water-Connectivity Models With Live Weather Data Apis in Decision Tools. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	1
3013	Evaluating Hydrological Models for Deriving Water Resources in Peninsular Spain. Sustainability, 2019, 11, 2872.	1.6	45
3014	Comparative Study of Two State-of-the-Art Semi-Distributed Hydrological Models. Water (Switzerland), 2019, 11, 871.	1.2	15
3015	Soil & So	2.5	5
3016	An approach to simulate the climate-driven streamflow in the data-scarce mountain basins of Northwest China. Journal of Earth System Science, 2019, 128, 1.	0.6	12
3017	A modified SWAT module for estimating groundwater table at Lethbridge and Barons, Alberta, Canada. Journal of Hydrology, 2019, 575, 420-431.	2.3	29
3018	Climate Change and Nutrient Loading in the Western Lake Erie Basin: Warming Can Counteract a Wetter Future. Environmental Science & Environmental Scie	4.6	42
3019	Using the USLE: Chances, challenges and limitations of soil erosion modelling. International Soil and Water Conservation Research, 2019, 7, 203-225.	3.0	389
3020	Effects of DEM Source, Spatial Resolution and Drainage Area Threshold Values on Hydrological Modeling. Water Resources Management, 2019, 33, 3303-3319.	1.9	34
3021	Impacts of Dem Source, Resolution and Area Threshold Values on SWAT Generated Stream Network and Streamflow in Two Distinct Nepalese Catchments. Environmental Processes, 2019, 6, 597-617.	1.7	18
3022	Streamflow regionalization using a similarity approach in ungauged basins: Application of the geo-environmental signatures in the Karkheh River Basin, Iran. Catena, 2019, 182, 104128.	2.2	64
3023	Role of satellite and reanalysis precipitation products in streamflow and sediment modeling over a typical alpine and gorge region in Southwest China. Science of the Total Environment, 2019, 685, 934-950.	3.9	36
3024	Current Practice and Recommendations for Modelling Global Change Impacts on Water Resource in the Himalayas. Water (Switzerland), 2019, 11, 1303.	1.2	25

#	Article	IF	CITATIONS
3025	Water balance responses to land-use/land-cover changes in the Pra River Basin of Chana, 1986–2025. Catena, 2019, 182, 104129.	2.2	49
3026	Development of a New Quantile-Based Method for the Assessment of Regional Water Resources in a Highly-Regulated River Basin. Water Resources Management, 2019, 33, 3187-3210.	1.9	11
3027	A review of underlying surface parameterization methods in hydrologic models. Journal of Chinese Geography, 2019, 29, 1039-1060.	1.5	5
3028	Evaluation and application of a SWAT model to assess the climate change impact on the hydrology of the Himalayan River Basin. Catena, 2019, 181, 104082.	2.2	177
3029	The opportunity costs of increasing reliability in irrigation systems. Agricultural Water Management, 2019, 222, 173-181.	2.4	3
3030	Evaluation of the Effect of Channel Geometry on Streamflow and Water Quality Modeling and Modification of Channel Geometry Module in SWAT: A Case Study of the Andong Dam Watershed. Water (Switzerland), 2019, 11, 718.	1.2	8
3031	Impact of Climate Change on Water Resources in the Kilombero Catchment in Tanzania. Water (Switzerland), 2019, 11, 859.	1.2	33
3032	Modeling effects of low impact development on road salt transport at watershed scale. Journal of Hydrology, 2019, 574, 1164-1175.	2.3	14
3033	Evaluation of loss models and effect of LU/LC changes on surface runoff in Subarnarekha river basin. ISH Journal of Hydraulic Engineering, 2019, , 1-14.	1.1	3
3034	Modeling Riparian Restoration Impacts on the Hydrologic Cycle at the Babacomari Ranch, SE Arizona, USA. Water (Switzerland), 2019, 11, 381.	1.2	13
3035	SWPT: An automated GIS-based tool for prioritization of sub-watersheds based on morphometric and topo-hydrological factors. Geoscience Frontiers, 2019, 10, 2167-2175.	4.3	60
3036	What is the main driving force of hydrological cycle variations in the semiarid and semi-humid Weihe River Basin, China?. Science of the Total Environment, 2019, 684, 254-264.	3.9	34
3037	A Parallel Computation Tool to Enable Dynamic Sensitivity and Model Performance Analysis of APEX: Evapotranspiration Modeling. Journal of the American Water Resources Association, 2019, 55, 994-1008.	1.0	1
3038	Impacts of Land Cover/Use Changes on Hydrological Processes in a Rapidly Urbanizing Mid-latitude Water Supply Catchment. Water (Switzerland), 2019, 11, 1075.	1.2	26
3039	Irrigation efficiency and water-saving potential considering reuse of return flow. Agricultural Water Management, 2019, 221, 519-527.	2.4	20
3040	Prediction of daily reservoir inflow using atmospheric predictors. Sustainable Water Resources Management, 2019, 5, 1745-1754.	1.0	0
3041	Castles built on sand or predictive limnology in action? Part A: Evaluation of an integrated modelling framework to guide adaptive management implementation in Lake Erie. Ecological Informatics, 2019, 53, 100968.	2.3	11
3042	A case study for the assessment of the suitability of gridded reanalysis weather data for hydrological simulation in Beas river basin of North Western Himalaya. Applied Water Science, 2019, 9, 1.	2.8	16

#	Article	IF	CITATIONS
3043	Performance of Conservation Techniques for Semiarid Environments: Field Observations with Caatinga, Mulch, and Cactus Forage Palma. Water (Switzerland), 2019, 11, 792.	1.2	17
3044	Modeling the effects of land cover change on sediment concentrations in a gold-mined Amazonian basin. Regional Environmental Change, 2019, 19, 1801-1813.	1.4	8
3045	Effect of Abrupt Topographical Characteristic Change on Water Quality in a River. KSCE Journal of Civil Engineering, 2019, 23, 3250-3263.	0.9	5
3046	Numerical and conceptual evaluation of preferential flow in Zarqa River Basin, Jordan. Ecohydrology and Hydrobiology, 2019, 19, 224-237.	1.0	9
3047	Advancements in Soil and Water Assessment Tool (SWAT) for ecohydrological modelling and application. Ecohydrology and Hydrobiology, 2019, 19, 179-181.	1.0	5
3048	Application of Meteorological and Hydrological Drought Indices to Establish Drought Classification Maps of the Ba River Basin in Vietnam. Hydrology, 2019, 6, 49.	1.3	13
3049	Modeling the Effectiveness of Management Practices for Reducing Pesticide Residues in Surface Water. ACS Symposium Series, 2019, , 233-258.	0.5	1
3050	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
3051	Simulating the Hydrological Impact of Green Roof Use and an Increase in Green Areas in an Urban Catchment with i-Tree: A Case Study with the Town of Fontib \tilde{A}^3 n in Bogot \tilde{A}_i , Colombia. Resources, 2019, 8, 68.	1.6	13
3052	The Effect of Reduced Flow on Downstream Water Systems Due to the Kumgangsan Dam under Dry Conditions. Water (Switzerland), 2019, 11, 739.	1.2	11
3053	The Entity-Process Framework for Integrated Agent-Based Modeling of Social-Ecological Systems. Law, Governance and Technology Series, 2019, , 57-86.	0.3	3
3054	Assessment of chemical and microbiological parameters on the Leite River Lithuania. Environmental Science and Pollution Research, 2019, 26, 18752-18765.	2.7	2
3055	Integrating agricultural land, water yield and soil conservation trade-offs into spatial land use planning. Ecological Indicators, 2019, 104, 219-228.	2.6	30
3056	Modelling Nitrate Reduction Strategies from Diffuse Sources in the Po River Basin. Water (Switzerland), 2019, 11, 1030.	1.2	15
3057	A Review of SWAT Studies in Southeast Asia: Applications, Challenges and Future Directions. Water (Switzerland), 2019, 11, 914.	1.2	78
3058	A Systems Approach to Modeling Watershed Ecohydrology and Pesticide Transport. Journal of Environmental Quality, 2019, 48, 1047-1056.	1.0	3
3059	Implications of water management representations for watershed hydrologic modeling in the Yakima River basin. Hydrology and Earth System Sciences, 2019, 23, 35-49.	1.9	32
3060	Assessing uncertainty of hydrological and ecological parameters originating from the application of an ensemble of ten global-regional climate model projections in a coastal ecosystem of the lagoon of Venice, Italy. Ecological Engineering, 2019, 133, 121-136.	1.6	13

#	Article	IF	CITATIONS
3061	From agricultural catchment to management scenarios: A modular tool to assess effects of landscape features on water and pesticide behavior. Science of the Total Environment, 2019, 671, 1144-1160.	3.9	13
3062	Modeling phosphorus reduction strategies from the international St. Clair-Detroit River system watershed. Journal of Great Lakes Research, 2019, 45, 742-751.	0.8	15
3063	Specific sediment yield model for reservoirs with medium-sized basins in Spain: An empirical and statistical approach. Science of the Total Environment, 2019, 681, 82-101.	3.9	15
3064	Assessment of Annual Water-Balance Models for Diverse Indian Watersheds. Journal of Sustainable Water in the Built Environment, 2019, 5, .	0.9	22
3065	Estimated potential impacts of soil and water conservation terraces on potato yields under different climate conditions. Journal of Soils and Water Conservation, 2019, 74, 225-234.	0.8	15
3066	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
3067	Modelling microbial kinetics and thermodynamic processes for quantifying soil CO2 emission. Atmospheric Environment, 2019, 209, 125-135.	1.9	16
3068	A countyâ€level estimation of renewable surface water and groundwater availability associated with potential largeâ€scale bioenergy feedstock production scenarios in the United States. GCB Bioenergy, 2019, 11, 606-622.	2.5	8
3069	Modelling Development of Riparian Ranchlands Using Ecosystem Services at the Aravaipa Watershed, SE Arizona. Land, 2019, 8, 64.	1.2	3
3070	Calibration of SWAT and Two Data-Driven Models for a Data-Scarce Mountainous Headwater in Semi-Arid Konya Closed Basin. Water (Switzerland), 2019, 11, 147.	1.2	40
3071	Effects of Human Activities on Hydrological Components in the Yiluo River Basin in Middle Yellow River. Water (Switzerland), 2019, 11, 689.	1.2	20
3072	Simulated Runoff and Sediment Yield Responses to Land-Use Change Using the SWAT Model in Northeast China. Water (Switzerland), 2019, 11, 915.	1.2	27
3073	Evaluating the Effectiveness of Spatially Reconfiguring Erosion Hot Spots to Reduce Stream Sediment Load in an Upland Agricultural Catchment of South Korea. Water (Switzerland), 2019, 11, 957.	1.2	3
3074	Hydrological Simulation for Karst Mountain Areas: A Case Study of Central Guizhou Province. Water (Switzerland), 2019, 11, 991.	1.2	9
3075	Streamflow regimes and geologic conditions are more important than water temperature when projecting future crayfish distributions. Climatic Change, 2019, 154, 107-123.	1.7	12
3076	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
3077	Effects of land-use data resolution on hydrologic modelling, a case study in the upper reach of the Heihe River, Northwest China. Ecological Modelling, 2019, 404, 61-68.	1.2	18
3078	Impact of the spatial variability of daily precipitation on hydrological projections: A comparison of GCM―and RCMâ€driven cases in the Han River basin, Korea. Hydrological Processes, 2019, 33, 2240-2257.	1.1	30

#	Article	IF	CITATIONS
3079	Impact of catchment classification on streamflow regionalization in ungauged catchments. SN Applied Sciences, 2019, 1, 1.	1.5	13
3080	Quantification and simulation of nutrient sources at watershed scale in Mississippi. Science of the Total Environment, 2019, 670, 633-643.	3.9	18
3081	Ecohydrologic Error Models for Improved Bayesian Inference in Remotely Sensed Catchments. Water Resources Research, 2019, 55, 4533-4549.	1.7	7
3082	Non-renewable groundwater use and groundwater depletion: a review. Environmental Research Letters, 2019, 14, 063002.	2.2	248
3083	Improving Urban Runoff in Multi-Basin Hydrological Simulation by the HYPE Model Using EEA Urban Atlas: A Case Study in the Sege River Basin, Sweden. Hydrology, 2019, 6, 28.	1.3	8
3084	Impact of Climate Forecasts on the Microbial Quality of a Drinking Water Source in Norway Using Hydrodynamic Modeling. Water (Switzerland), 2019, 11, 527.	1.2	5
3085	Multi-Objective Calibration of a Distributed Hydrological Model in a Highly Glacierized Watershed in Central Asia. Water (Switzerland), 2019, 11, 554.	1.2	10
3086	Future hydro-meteorological drought of the Johor River Basin, Malaysia, based on CORDEX-SEA projections. Hydrological Sciences Journal, 2019, 64, 921-933.	1.2	30
3087	Identifying climate change impacts on water resources in Xinjiang, China. Science of the Total Environment, 2019, 676, 613-626.	3.9	67
3088	Simulating the impacts of climate change on hydrology and crop production in the Northern High Plains of Texas using an improved SWAT model. Agricultural Water Management, 2019, 221, 13-24.	2.4	45
3089	Towards the use of conceptual models for water resource assessment in Indian tropical watersheds under monsoon-driven climatic conditions. Environmental Earth Sciences, 2019, 78, 1.	1.3	15
3090	Crop conversion impacts on runoff and sediment loads in the Upper Sunflower River watershed. Agricultural Water Management, 2019, 217, 399-412.	2.4	9
3091	Monitoring and modelling water quality of Loktak Lake catchment. SN Applied Sciences, 2019, 1, 1.	1.5	7
3092	Rh(III)-catalyzed N-nitroso-directed C-H olefination polymerization. Polymer, 2019, 172, 152-159.	1.8	5
3093	Evaluation of uncalibrated energy balance model (BAITSSS) for estimating evapotranspiration in a semiarid, advective climate. Hydrological Processes, 2019, 33, 2110-2130.	1,1	13
3094	Modelling the impact of climate change on flow and E. coli concentration in the catchment of an ungauged drinking water source in Norway. Journal of Hydrology, 2019, 573, 676-687.	2.3	14
3095	Water Security Assessment of the Grand River Watershed in Southwestern Ontario, Canada. Sustainability, 2019, 11, 1883.	1.6	22
3096	Large-Scale Hydrological Modelling of the Upper ParanÃ; River Basin. Water (Switzerland), 2019, 11, 882.	1.2	25

#	Article	IF	CITATIONS
3097	Climate change impacts on vernal pool hydrology and vegetation in northern California. Journal of Hydrology, 2019, 574, 1003-1013.	2.3	10
3098	Merging multi-source precipitation products or merging their simulated hydrological flows to improve streamflow simulation. Hydrological Sciences Journal, 2019, 64, 910-920.	1.2	23
3099	Predicting Rainfall and Runoff Through Satellite Soil Moisture Data and SWAT Modelling for a Poorly Gauged Basin in Iran. Water (Switzerland), 2019, 11, 594.	1.2	23
3100	Improving the representation of stomatal responses to CO2 within the Penman–Monteith model to better estimate evapotranspiration responses to climate change. Journal of Hydrology, 2019, 572, 692-705.	2.3	26
3101	Integrating terrestrial and aquatic processes toward watershed scale modeling of dissolved organic carbon fluxes. Environmental Pollution, 2019, 249, 125-135.	3.7	36
3102	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
3103	Modelling Water Quality in Subsurface Drained Cropland Using the Root Zone Water Quality Model (RZWQM). Advances in Agricultural Systems Modeling, 2019, , 237-269.	0.3	0
3104	Forecasting near-future impacts of land use and climate change on the Zilbier river hydrological regime, northwestern Iran. Environmental Earth Sciences, 2019, 78, 1.	1.3	15
3105	Effect of Land Use Land Cover and Climate Change on River Flow and Soil Loss in Didessa River Basin, South West Blue Nile, Ethiopia. Hydrology, 2019, 6, 2.	1.3	33
3106	Using a Hydrologic Model to Assess the Performance of Regional Climate Models in a Semi-Arid Watershed in Brazil. Water (Switzerland), 2019, 11, 170.	1.2	21
3107	Comparison of abstraction scenarios simulated by SWAT and SWAT-MODFLOW. Hydrological Sciences Journal, 2019, 64, 434-454.	1.2	57
3108	A tool for the selection and implementation of eco-remediation mitigation measures. Ecological Engineering, 2019, 130, 53-66.	1.6	4
3109	Assessment of site-specific agricultural Best Management Practices in the Upper East River watershed, Wisconsin, using a field-scale SWAT model. Journal of Great Lakes Research, 2019, 45, 619-641.	0.8	32
3110	Analysis of spatio-temporal variability of surface–groundwater interactions in the Gharehsoo river basin, Iran, using a coupled SWAT-MODFLOW model. Environmental Earth Sciences, 2019, 78, 1.	1.3	40
3111	The future depends on what we do today – Projecting Europe's surface water quality into three different future scenarios. Science of the Total Environment, 2019, 668, 470-484.	3.9	31
3112	Multi-site calibration and validation of SWAT with satellite-based evapotranspiration in a data-sparse catchment in southwestern Nigeria. Hydrology and Earth System Sciences, 2019, 23, 1113-1144.	1.9	77
3113	Meeting updated phosphorus reduction goals by applying best management practices in the Grand River watershed, southern Ontario. Ecological Engineering, 2019, 130, 169-175.	1.6	34
3114	Hydrological modelling uncertainty analysis for different flow quantiles: a case study in two hydro-geographically different watersheds. Hydrological Sciences Journal, 2019, 64, 473-489.	1.2	21

#	Article	IF	CITATIONS
3115	Predicting Runoff, Sediment and Management Scenarios for Reducing Soil Erosion in Data Scarce Regions, Blue Nile Basin. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 11-31.	0.2	0
3116	Simulating the influence of integrated crop-livestock systems on water yield at watershed scale. Journal of Environmental Management, 2019, 239, 385-394.	3.8	11
3117	Improving hydrological simulation in the Upper Mississippi River Basin through enhanced freeze-thaw cycle representation. Journal of Hydrology, 2019, 571, 605-618.	2.3	28
3118	Impacts of climate change on watershed systems and potential adaptation through BMPs in a drinking water source area. Journal of Hydrology, 2019, 573, 123-135.	2.3	37
3119	Quantifying model uncertainty using Bayesian multi-model ensembles. Environmental Modelling and Software, 2019, 117, 89-99.	1.9	11
3120	Recognizing economic value in multifunctional buffers in the lower Mississippi river basin. Biofuels, Bioproducts and Biorefining, 2019, 13, 55-73.	1.9	13
3121	Evaluation of a traditional method for peak flow discharge estimation for floods in the Wenchuan Earthquake area, Sichuan Province, China. Journal of Mountain Science, 2019, 16, 641-656.	0.8	4
3122	A comprehensive sensitivity and uncertainty analysis for discharge and nitrate-nitrogen loads involving multiple discrete model inputs under future changing conditions. Hydrology and Earth System Sciences, 2019, 23, 1211-1244.	1.9	24
3123	Evaluation of selected watershed characteristics to identify best management practices to reduce Nebraskan nitrate loads from Nebraska to the Mississippi/Atchafalaya River basin. Agriculture, Ecosystems and Environment, 2019, 277, 1-10.	2.5	15
3124	Assessing Soil and Water Assessment Tool Plant Stress Algorithms Using Full and Deficit Irrigation Treatments. Agronomy Journal, 2019, 111, 1266-1280.	0.9	7
3125	Coupling annual, monthly and daily weather generators to simulate multisite and multivariate climate variables with low-frequency variability for hydrological modelling. Climate Dynamics, 2019, 53, 3841-3860.	1.7	8
3126	Multisite evaluation of an improved SWAT irrigation scheduling algorithm for corn (Zea mays L.) production in the U.S. Southern Great Plains. Environmental Modelling and Software, 2019, 118, 23-34.	1.9	15
3127	Parallelization of the flow-path network model using a particle-set strategy. International Journal of Geographical Information Science, 2019, 33, 1984-2010.	2.2	4
3128	Evaluating the Effect of Numerical Schemes on Hydrological Simulations: HYMOD as A Case Study. Water (Switzerland), 2019, 11, 329.	1.2	4
3129	A Coupled Model for Simulating Water and Heat Transfer in Soil-Plant-Atmosphere Continuum with Crop Growth. Water (Switzerland), 2019, 11, 47.	1.2	4
3130	Determination of Tile Drain Discharge under Variable Hydraulic Conditions. Water (Switzerland), 2019, 11, 120.	1.2	9
3131	Investigation into Complex Boundary Solutions of Water Filling Process in Pipeline Systems. Water (Switzerland), 2019, 11, 641.	1.2	3
3132	SWATCH21: A project for linking eco-hydrologic processes and services to aquatic biodiversity at river and catchment levels. Ecohydrology and Hydrobiology, 2019, 19, 182-197.	1.0	7

#	Article	IF	Citations
3133	Modeling runoff and sediment yield of Kesem dam watershed, Awash basin, Ethiopia. SN Applied Sciences, 2019, $1,1.$	1.5	24
3134	Assessment of sediment and organic carbon exports into the Arctic ocean: The case of the Yenisei River basin. Water Research, 2019, 158, 118-135.	5.3	46
3135	Hydrology induces intraspecific variation in freshwater fish morphology under contemporary and future climate scenarios. Science of the Total Environment, 2019, 671, 421-430.	3.9	10
3136	Identification of critical watershed using hydrological model and drought indices: a case study of upper Girna, Maharashtra, India. ISH Journal of Hydraulic Engineering, 2019, , 1-12.	1.1	4
3137	Estimation of Soil Erosion in Nepal Using a RUSLE Modeling and Geospatial Tool. Geosciences (Switzerland), 2019, 9, 147.	1.0	127
3138	Improving grey water footprint assessment: Accounting for uncertainty. Ecological Indicators, 2019, 102, 822-833.	2.6	37
3139	Hydrologic responses to projected climate change in ecologically diverse watersheds of the Gulf Coast, United States. International Journal of Climatology, 2019, 39, 2227-2243.	1.5	11
3140	Evaluating improvements to exposure estimates from fate and transport models by incorporating environmental sampling effort and contaminant use. Water Research, 2019, 156, 372-382.	5.3	14
3141	Modeling Pesticide Fate and Transport at Watershed Scale Using the Soil & Water Assessment Tool: General Applications and Mitigation Strategies. ACS Symposium Series, 2019, , 391-419.	0.5	1
3142	Identification of Critical Source Areas (CSAs) and Evaluation of Best Management Practices (BMPs) in Controlling Eutrophication in the Dez River Basin. Environments - MDPI, 2019, 6, 20.	1.5	25
3143	Water Quality Modeling of Mahabad Dam Watershed–Reservoir System under Climate Change Conditions, Using SWAT and System Dynamics. Water (Switzerland), 2019, 11, 394.	1.2	63
3144	Assessing Climate Change Impacts on River Flows in the Tonle Sap Lake Basin, Cambodia. Water (Switzerland), 2019, 11, 618.	1.2	41
3145	Predicting dissolved reactive phosphorus in tile-drained catchments using a modified SWAT model. Ecohydrology and Hydrobiology, 2019, 19, 198-209.	1.0	23
3146	Identification of Nutrients Critical Source Areas with SWAT Model under Limited Data Condition. Water Resources, 2019, 46, 128-137.	0.3	13
3147	Valuing water quality change using a coupled economic-hydrological model. Ecological Economics, 2019, 161, 32-40.	2.9	18
3148	Assessing future water–sediment interaction and critical area prioritization at sub-watershed level for sustainable management. Paddy and Water Environment, 2019, 17, 373-382.	1.0	22
3149	Valuation of ecosystem services in alternative bioenergy landscape scenarios. GCB Bioenergy, 2019, 11, 748-762.	2.5	37
3150	SWAT-N2O coupler: An integration tool for soil N2O emission modeling. Environmental Modelling and Software, 2019, 115, 86-97.	1.9	11

#	Article	IF	Citations
3151	River Water Temperature Modelling Under Climate Change Using Support Vector Regression. Springer Water, 2019, , 171-183.	0.2	16
3152	Impact of different types of meteorological data inputs on predicted hydrological and erosive responses to projected land use changes. Journal of Earth System Science, 2019, 128, 1.	0.6	9
3153	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
3154	Estimation of Water Budget Components of the Sakarya River Basin by Using the WEAP-PGM Model. Water (Switzerland), 2019, 11, 271.	1.2	20
3155	Assessing the Uncertainties of Four Precipitation Products for Swat Modeling in Mekong River Basin. Remote Sensing, 2019, 11, 304.	1.8	47
3156	Corn stover harvest N and energy budgets in central lowa. Science of the Total Environment, 2019, 663, 776-792.	3.9	9
3157	Climate Change Impact on Flood Frequency and Source Area in Northern Iran under CMIP5 Scenarios. Water (Switzerland), 2019, 11, 273.	1.2	61
3158	Effect of irrigation amount and fertilization on agriculture non-point source pollution in the paddy field. Environmental Science and Pollution Research, 2019, 26, 10363-10373.	2.7	56
3159	Phenology-adjusted dynamic curve number for improved hydrologic modeling. Journal of Environmental Management, 2019, 235, 403-413.	3.8	12
3160	A geomorphologyâ€based integrated stream–aquifer interaction model for semiâ€gauged catchments. Hydrological Processes, 2019, 33, 1362-1377.	1.1	12
3161	Regionalization and parameterization of a hydrologic model significantly affect the cascade of uncertainty in climate-impact projections. Climate Dynamics, 2019, 53, 2861-2886.	1.7	21
3162	Modeling soil temperature in a temperate region: A comparison between empirical and physically based methods in SWAT. Ecological Engineering, 2019, 129, 134-143.	1.6	25
3163	Understanding the Largeâ€Scale Influence of Levees on Floodplain Connectivity Using a Hydrogeomorphic Approach. Journal of the American Water Resources Association, 2019, 55, 413-429.	1.0	18
3164	Integrating Landscape Metrics and Hydrologic Modeling to Assess the Impact of Natural Disturbances on Ecohydrological Processes in the Chenyulan Watershed, Taiwan. International Journal of Environmental Research and Public Health, 2019, 16, 266.	1.2	14
3165	Enhancing the capability of hydrological models to simulate the regional agro-hydrological processes in watersheds with shallow groundwater: Based on the SWAT framework. Journal of Hydrology, 2019, 572, 1-16.	2.3	24
3166	Comparing Watershed Scale P Losses from Manure Spreading in Temperate Climates across Mechanistic Soil P Models. Journal of Hydrologic Engineering - ASCE, 2019, 24, 04019009.	0.8	4
3167	A Spatial Analysis to Define Data Requirements for Hydrological and Water Quality Models in Data-Limited Regions. Water (Switzerland), 2019, 11, 267.	1.2	10
3168	Integration of GRACE Data for Improvement of Hydrological Models. Springer Water, 2019, , 1-22.	0.2	0

#	Article	IF	CITATIONS
3169	Some Challenges in Hydrologic Model Calibration for Large-Scale Studies: A Case Study of SWAT Model Application to Mississippi-Atchafalaya River Basin. Hydrology, 2019, 6, 17.	1.3	15
3170	Analysing Geospatial Techniques for Land Degradation Studies in Hindu Kush-Himalaya. , 2019, , 117-135.		4
3171	Gaining prediction accuracy in land use modeling by integrating modeled hydrologic variables. Environmental Modelling and Software, 2019, 115, 155-163.	1.9	18
3172	A coupled model system to optimize the best management practices for nonpoint source pollution control. Journal of Cleaner Production, 2019, 220, 581-592.	4.6	53
3173	Spatial and temporal distribution of blue water in the Limpopo River Basin, Southern Africa: A case study. Ecohydrology and Hydrobiology, 2019, 19, 252-265.	1.0	13
3174	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
3175	Mapping of erosion susceptibility using a weighted linear combination model: A case study of a hill sub-watershed in Kodaikkanal, Western Ghats, South India. Remote Sensing Applications: Society and Environment, 2019, 14, 34-45.	0.8	10
3176	Forage Yield Estimation with a Process-Based Simulation Model. , 0, , .		0
3177	Estimating Crop Consumption of Irrigation Water for the Conterminous U.S Transactions of the ASABE, 2019, 62, 985-1002.	1.1	1
3178	Agricultural Best Management Practice Sensitivity to Changing Air Temperature and Precipitation. Transactions of the ASABE, 2019, 62, 1021-1033.	1.1	5
3180	Assessing the Expected Impact of Climate Change on Nitrate Load in a Small Atlantic Agro-Forested Catchment., 0, , .		1
3181	Setting Up a Computer Simulation Model in an Arkansas Watershed for the MRBI Program. , 2019, , .		0
3182	Assessing the Potential Impact of Rising Production of Industrial Wood Pellets on Streamflow in the Presence of Projected Changes in Land Use and Climate: A Case Study from the Oconee River Basin in Georgia, United States. Water (Switzerland), 2019, 11, 142.	1.2	4
3183	Impact of Filters to Reduce Phosphorus Losses: Field Observations and Modelling Tests in Tile-Drained Lowland Catchments. Water (Switzerland), 2019, 11, 2638.	1.2	1
3184	A Regional Sensitivity Analysis of a Multi-Variable Hydrological Model: A Case Study of a Greek Catchment. Proceedings (mdpi), 2018, 7, .	0.2	0
3185	Assessment of Water Supply Stability for Drought-Vulnerable Boryeong Multipurpose Dam in South Korea Using Future Dry Climate Change Scenarios. Water (Switzerland), 2019, 11, 2403.	1.2	11
3187	Spatial Variation Pattern Analysis of Hydrologic Processes and Water Quality in Three Gorges Reservoir Area. Water (Switzerland), 2019, 11, 2608.	1.2	12
3188	Long-Term Variation of Runoff Coefficient during Dry and Wet Seasons Due to Climate Change. Water (Switzerland), 2019, 11, 2411.	1.2	5

#	Article	IF	CITATIONS
3189	Evaluation of Four GLUE Likelihood Measures and Behavior of Large Parameter Samples in ISPSO-GLUE for TOPMODEL. Water (Switzerland), 2019, 11, 447.	1.2	7
3190	Validation of satellite soil moisture in the absence of <i>in situ</i> soil moisture: the case of the Tropical Yankin Basin. South African Journal of Geomatics, 2019, 7, 243.	0.1	3
3191	Modelling Climate Change's Impact on the Hydrology of Natura 2000 Wetland Habitats in the Vistula and Odra River Basins in Poland. Water (Switzerland), 2019, 11, 2191.	1.2	14
3192	Calibration of a hydrological model and sensitivity analysis of its parameters: a case study of Seonath river basin. International Journal of Hydrology Science and Technology, 2019, 9, 640.	0.2	2
3193	Identification of critical erosion prone areas in Temengor Reservoir Basin using Universal Soil Loss Equation (USLE) and Geographic Information System (GIS). IOP Conference Series: Earth and Environmental Science, 2019, 380, 012011.	0.2	2
3194	Impact of Climate Change and Irrigation on the Productivity of the Lower Mekong Basin., 2019,,.		0
3195	The integration of mathematical models of the dams in GIS. Journal of Physics: Conference Series, 2019, 1425, 012145.	0.3	O
3196	Development of Agricultural Conservation Reduction Estimator (ACRE), a simple field-scale conservation planning and evaluation tool. Journal of Soils and Water Conservation, 2019, 74, 537-544.	0.8	4
3197	The Runoff Evolution and the Differences Analysis of the Causes of Runoff Change in Different Regions: A Case of the Weihe River Basin, Northern China. Sustainability, 2019, 11, 5295.	1.6	5
3198	Assessing the Impact of CFSR and Local Climate Datasets on Hydrological Modeling Performance in the Mountainous Black Sea Catchment. Water (Switzerland), 2019, 11, 2277.	1.2	10
3199	Effects of area threshold values and stream burn-in process on runoff and sediment yield using QSWAT model. ISH Journal of Hydraulic Engineering, 2022, 28, 40-48.	1.1	6
3200	Impact of Climate Change on Water Balance Components and Droughts in the Guajoyo River Basin (El) Tj ETQq1 1	0,78431 1.2	4.rgBT /Ove
3201	Apport de la variabilité spatiale des caractéristiques physiques du bassin versant dans la modélisation hydrologique et les sous-produits du bilan hydrologique : cas du bassin versant de l'aval Mekerra, Algérie. Revue Des Sciences De L'Eau, 0, 32, 117-144.	0.2	3
3202	An Integrated Agriculture, Atmosphere, and Hydrology Modeling System for Ecosystem Assessments. Journal of Advances in Modeling Earth Systems, 2019, 11, 4645-4668.	1.3	12
3204	Multi-Objective Optimization for Interactive Reservoir-Irrigation Planning Considering Environmental Issues by Using Parallel Processes Technique. Water Resources Management, 2019, 33, 5137-5151.	1.9	22
3205	Evaluating and Predicting the Effects of Land Use Changes on Water Quality Using SWAT and CA–Markov Models. Water Resources Management, 2019, 33, 4923-4938.	1.9	28
3206	The response of water balance components to land cover change based on hydrologic modeling and partial least squares regression (PLSR) analysis in the Upper Awash Basin. Journal of Hydrology: Regional Studies, 2019, 26, 100640.	1.0	53
3207	Applicability of water quality models around the world—a review. Environmental Science and Pollution Research, 2019, 26, 36141-36162.	2.7	45

#	ARTICLE	IF	CITATIONS
3208	Implications of the Melamchi water supply project for the Kathmandu Valley groundwater system. Water Policy, 2019, 21, 120-137.	0.7	5
3209	Modeling Sediment Yields and Stream Stability Due to Sediment-Related Disaster in Shihmen Reservoir Watershed in Taiwan. Water (Switzerland), 2019, 11, 332.	1.2	15
3210	Assessing the Impact of Man–Made Ponds on Soil Erosion and Sediment Transport in Limnological Basins. Water (Switzerland), 2019, 11, 2526.	1.2	7
3211	<i>Assessment of riparian buffers' effectiveness in controlling nutrient and sediment loads as a function of buffer design, site characteristics and upland loadings</i> ., 2019,		0
3212	The Impact of Land Use/Land Cover Change (LULCC) on Water Resources in a Tropical Catchment in Tanzania under Different Climate Change Scenarios. Sustainability, 2019, 11, 7083.	1.6	64
3213	Design and development of a web-based interface for the Agricultural Policy Environmental eXtender (APEX) model. Environmental Modelling and Software, 2019, 111, 368-374.	1.9	9
3214	Climate Change Impact Assessment on Blue and Green Water by Coupling of Representative CMIP5 Climate Models with Physical Based Hydrological Model. Water Resources Management, 2019, 33, 141-158.	1.9	48
3215	Impact of Anthropogenic Interventions on the Vembanad Lake System. , 2019, , 9-29.		3
3216	Simulation of regional irrigation requirement with SWAT in different agro-climatic zones driven by observed climate and two reanalysis datasets. Science of the Total Environment, 2019, 649, 846-865.	3.9	39
3217	An accurate evaluation of water availability in sub-arid Mediterranean watersheds through SWAT: Cega-Eresma-Adaja. Agricultural Water Management, 2019, 212, 211-225.	2.4	45
3218	Projecting the Consequences of Climate Change on River Ecosystems., 2019, , 281-301.		7
3219	Hydrological response of Chamelia watershed in Mahakali Basin to climate change. Science of the Total Environment, 2019, 650, 365-383.	3.9	60
3220	Assessing model parameters sensitivity and uncertainty of streamflow, sediment, and nutrient transport using SWAT. Information Processing in Agriculture, 2019, 6, 61-72.	2.9	21
3221	Climate change impacts on ecologically relevant hydrological indicators in three catchments in three European ecoregions. Ecological Engineering, 2019, 127, 404-416.	1.6	39
3222	Evaluating the influence of climate change on the fate and transport of fecal coliform bacteria using the modified SWAT model. Science of the Total Environment, 2019, 658, 753-762.	3.9	39
3223	Temporal-spatial analysis of water environmental capacity based on the couple of SWAT model and differential evolution algorithm. Journal of Hydrology, 2019, 569, 155-166.	2.3	40
3224	Interactions Between Regional Climate, Surficial Geology, and Topography: Characterizing Shallow Groundwater Systems in Subhumid, Lowâ€Relief Landscapes. Water Resources Research, 2019, 55, 284-297.	1.7	21
3225	Improving the SWAT forest module for enhancing water resource projections: A case study in the <scp>St. Croix River</scp> basin. Hydrological Processes, 2019, 33, 864-875.	1.1	11

#	Article	IF	Citations
3226	Toward a combined Bayesian frameworks to quantify parameter uncertainty in a large mountainous catchment with high spatial variability. Environmental Monitoring and Assessment, 2019, 191, 23.	1.3	14
3227	Remote sensing and GIS techniques for prediction of land use land cover change effects on soil erosion in the high basin of the Oum Er Rbia River (Morocco). Remote Sensing Applications: Society and Environment, 2019, 13, 361-374.	0.8	62
3228	Equilibrium sediment exchange in the earth's critical zone: evidence from sediment fingerprinting with stable isotopes and watershed modeling. Journal of Soils and Sediments, 2019, 19, 3332-3356.	1.5	17
3229	SWAT model uncertainties and cumulative probability for decreased phosphorus loading by agricultural Best Management Practices. Catena, 2019, 175, 154-166.	2.2	17
3230	A SWAT-Copula based approach for monitoring and assessment of drought propagation in an irrigation command. Ecological Engineering, 2019, 127, 417-430.	1.6	54
3231	Hydrological evaluation of open-access precipitation and air temperature datasets using SWAT in a poorly gauged basin in Ethiopia. Journal of Hydrology, 2019, 569, 612-626.	2.3	95
3232	Evaluation of Satellite and Gauge-Based Precipitation Products through Hydrologic Simulation in Tigris River Basin under Data-Scarce Environment. Journal of Hydrologic Engineering - ASCE, 2019, 24, 05018033.	0.8	10
3233	Evaluation of SWAT Impoundment Modeling Methods in Water and Sediment Simulations. Journal of the American Water Resources Association, 2019, 55, 209-227.	1.0	23
3234	Global implications of regional grain production through virtual water trade. Science of the Total Environment, 2019, 659, 807-820.	3.9	33
3235	Impacts of Future Climate Change on Runoff in Selected Catchments of Slovakia. Climate Change Management, 2019, , 279-292.	0.6	4
3236	Prediction of daily sediment discharge using a back propagation neural network training algorithm: A case study of the Narmada River, India. International Journal of Sediment Research, 2019, 34, 125-135.	1.8	36
3237	Assessing the contribution of different uncertainty sources in streamflow projections. Theoretical and Applied Climatology, 2019, 137, 1289-1303.	1.3	22
3238	Northwest Himalayan Ecosystems: Issues, Challenges and Role of Geospatial Techniques. , 2019, , 3-14.		3
3239	Advantages and insights from a hierarchical Bayesian growth and dynamics model based on salmonid electrofishing removal data. Ecological Modelling, 2019, 392, 8-21.	1.2	4
3240	Reuse of return flows and its scale effect in irrigation systems based on modified SWAT model. Agricultural Water Management, 2019, 213, 280-288.	2.4	27
3241	Modelling the impact of land use management on water resources in a tropical inland valley catchment of central Uganda, East Africa. Science of the Total Environment, 2019, 653, 1052-1066.	3.9	18
3242	Effects of Slope Magnitude and Length on SWAT Baseflow Estimation. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, 04018037.	0.6	1
3243	Geospatial analysis of surface hydrological parameters for Kyushu Island, Japan. Natural Hazards, 2019, 96, 33-52.	1.6	4

#	Article	IF	Citations
3244	Geospatial Approach in Modeling Soil Erosion Processes in Predicting Soil Erosion and Nutrient Loss in Hilly and Mountainous Landscape., 2019,, 355-380.		3
3245	Evaluating the impacts of climate and land use/land cover (LU/LC) dynamics on the Hydrological Responses of the Upper Blue Nile in the Central Highlands of Ethiopia. Spatial Information Research, 2019, 27, 151-167.	1.3	23
3246	Climatic and hydrologic controls on net primary production in a semiarid loess watershed. Journal of Hydrology, 2019, 568, 803-815.	2.3	47
3247	Improvement and testing of SWAT for multi-source irrigation systems with paddy rice. Journal of Hydrology, 2019, 568, 1031-1041.	2.3	22
3248	Estimation of water provision service for monsoon catchments of South China: Applicability of the InVEST model. Landscape and Urban Planning, 2019, 182, 133-143.	3.4	182
3249	Dynamic runoff simulation in a changing environment: A data stream approach. Environmental Modelling and Software, 2019, 112, 157-165.	1.9	21
3250	Evaluation of TanDEMx and SRTM DEM on watershed simulated runoff estimation. Journal of Earth System Science, 2019, 128, 1.	0.6	17
3251	Coupling of a nitrate production model with HYDRUS to predict nitrate leaching. Agricultural Water Management, 2019, 213, 616-626.	2.4	16
3252	Effects of stream nitrate data frequency on watershed model performance and prediction uncertainty. Journal of Hydrology, 2019, 569, 22-36.	2.3	18
3253	Inter-comparison of water balance components of river basins draining into selected delta districts of Eastern India. Science of the Total Environment, 2019, 654, 1258-1269.	3.9	14
3254	Application of an Integrated SWAT–MODFLOW Model to Evaluate Potential Impacts of Climate Change and Water Withdrawals on Groundwater–Surface Water Interactions in West-Central Alberta. Water (Switzerland), 2019, 11, 110.	1.2	80
3255	Hydrological Simulation Using TRMM and CHIRPS Precipitation Estimates in the Lower Lancang-Mekong River Basin. Chinese Geographical Science, 2019, 29, 13-25.	1.2	74
3256	Analysing spatio-temporal process and parameter dynamics in models to characterise contrasting catchments. Journal of Hydrology, 2019, 570, 863-874.	2.3	15
3257	Quantifying relationships between urban land use and flow frequency of small Missouri streams. Science of the Total Environment, 2019, 659, 1008-1015.	3.9	5
3258	Land use change increases flood hazard: a multi-modelling approach to assess change in flood characteristics driven by socio-economic land use change scenarios. Natural Hazards, 2019, 98, 1021-1050.	1.6	26
3259	Effects of changes in land use and climate on aquatic ecosystems: Coupling of models and decomposition of uncertainties. Science of the Total Environment, 2019, 657, 627-633.	3.9	48
3260	The adequacy of stochastically generated climate time series for water resources systems risk and performance assessment. Stochastic Environmental Research and Risk Assessment, 2019, 33, 253-269.	1.9	15
3261	Projected changes in climate and hydrological regimes of the Western Siberian lowlands. Environmental Earth Sciences, 2019, 78, 1.	1.3	6

#	Article	IF	CITATIONS
3262	Effects of landâ€use change and climate variability on streamflow in the Woken River basin in Northeast China. River Research and Applications, 2019, 35, 121-132.	0.7	15
3263	Evaluating Suitability of Multiple Precipitation Products for the Lancang River Basin. Chinese Geographical Science, 2019, 29, 37-57.	1.2	27
3264	Investigating regionalization techniques for large-scale hydrological modelling. Journal of Hydrology, 2019, 570, 220-235.	2.3	38
3265	Water resources and nitrate discharges in relation to agricultural land uses in an intensively irrigated watershed. Science of the Total Environment, 2019, 659, 1293-1306.	3.9	24
3266	Impact of land use changes on flash flood prediction using a sub-daily SWAT model in five Mediterranean ungauged watersheds (SE Spain). Science of the Total Environment, 2019, 657, 1578-1591.	3.9	97
3267	Evaluating the impact of spatial variability of precipitation on streamflow simulation using a SWAT model. Water Policy, 2019, 21, 178-196.	0.7	8
3268	LASH hydrological model: An analysis focused on spatial discretization. Catena, 2019, 173, 183-193.	2.2	18
3269	Evaluation of SWAT performance in modeling nutrients of Awash River basin, Ethiopia. Modeling Earth Systems and Environment, 2019, 5, 275-289.	1.9	6
3270	Uncertainty of hydrologic processes caused by bias-corrected CMIP5 climate change projections with alternative historical data sources. Journal of Hydrology, 2019, 568, 551-561.	2.3	28
3271	Uncertainty analysis of parameters in nonâ€point source pollution simulation: case study of the application of the Soil and Water Assessment Tool model to Yitong River watershed in northeast China. Water and Environment Journal, 2019, 33, 390-400.	1.0	9
3272	Event-based uncertainty assessment of sediment modeling in a data-scarce catchment. Catena, 2019, 173, 162-174.	2.2	6
3273	Watershed Models for Development and Implementation of Total Maximum Daily Loads. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	34
3274	Soil moisture and discharge modeling in a representative watershed in northeastern Brazil using SWAT. Ecohydrology and Hydrobiology, 2019, 19, 238-251.	1.0	23
3275	Quantifying the contribution of tile drainage to basin-scale water yield using analytical and numerical models. Science of the Total Environment, 2019, 657, 297-309.	3.9	38
3276	Water residence time (age) and flow path exert synchronous effects on annual characteristics of dissolved organic carbon in terrestrial runoff. Science of the Total Environment, 2019, 656, 1223-1237.	3.9	11
3277	Development and application of a priority rated optimization model (PROM) for multi-sector water resource management systems. Environmental Modelling and Software, 2019, 113, 84-97.	1.9	5
3278	Long-term streamflow forecasting for the Cascade Reservoir System of Han River using SWAT with CFS output. Hydrology Research, 2019, 50, 655-671.	1.1	5
3279	Hydrological complexities in irrigated agro-ecosystems with fragmented land cover types and shallow groundwater: Insights from a distributed hydrological modeling method. Agricultural Water Management, 2019, 213, 868-881.	2.4	22

#	ARTICLE	IF	CITATIONS
3280	Introductory overview: Optimization using evolutionary algorithms and other metaheuristics. Environmental Modelling and Software, 2019, 114, 195-213.	1.9	169
3281	Bridging global, basin and local-scale water quality modeling towards enhancing water quality management worldwide. Current Opinion in Environmental Sustainability, 2019, 36, 39-48.	3.1	41
3282	Indexâ€based analysis of climate change impact on streamflow conditions important for Northern Pike, Chub and Atlantic salmon. Fisheries Management and Ecology, 2019, 26, 474-485.	1.0	12
3283	Spatial-temporal Patterns and Driving Forces of Water Retention Service in China. Chinese Geographical Science, 2019, 29, 100-111.	1.2	19
3284	Effects of projected urbanization and climate change on flow and nutrient loads of a Mediterranean catchment in South Australia. Ecohydrology and Hydrobiology, 2019, 19, 279-288.	1.0	15
3285	Assessment of modern recharge to arid region aquifers using an integrated geophysical, geochemical, and remote sensing approach. Journal of Hydrology, 2019, 569, 600-611.	2.3	41
3286	Geohazards mitigation strategies simulation and evaluation based on surface runoff depth: A case study in Bailong River basin. Catena, 2019, 173, 1-8.	2.2	9
3287	Environmental problems of salinization and poor drainage in irrigated areas: Management through the mathematical models. Journal of Cleaner Production, 2019, 206, 572-579.	4.6	45
3288	How significant is subâ€daily variability of rainfall for hydrological modelling of floods? A satellite based approach to subâ€daily downscaling of gauged rainfall. Meteorological Applications, 2019, 26, 288-299.	0.9	7
3289	Evaluating Agricultural BMP Effectiveness in Improving Freshwater Provisioning Under Changing Climate. Water Resources Management, 2019, 33, 453-473.	1.9	8
3290	Land use change and ecosystem services in mountainous watersheds: Predicting the consequences of environmental policies with cellular automata and hydrological modeling. Environmental Modelling and Software, 2019, 122, 103982.	1.9	33
3291	Comparing the effects of dynamic versus static representations of land use change in hydrologic impact assessments. Environmental Modelling and Software, 2019, 122, 103987.	1.9	57
3292	Evaluating the impact of climate change on fluvial flood risk in a mixed-use watershed. Environmental Modelling and Software, 2019, 122, 104031.	1.9	39
3293	Projection of hydro-climatological changes over eastern Himalayan catchment by the evaluation of RegCM4 RCM and CMIP5 GCM models. Hydrology Research, 2019, 50, 117-137.	1.1	27
3294	Evaluation of five gridded rainfall datasets in simulating streamflow in the upper Dong Nai river basin, Vietnam. International Journal of Digital Earth, 2019, 12, 311-327.	1.6	16
3295	Evaluation of neuro-fuzzy and Bayesian techniques in estimating suspended sediment loads. Sustainable Water Resources Management, 2019, 5, 639-654.	1.0	10
3296	Impact assessment of land use/land cover and climate change on streamflow regionalization in an ungauged catchment. Journal of Water and Climate Change, 2019, 10, 554-568.	1,2	12
3297	Assessment of watershed health, vulnerability and resilience for determining protection and restoration Priorities. Environmental Modelling and Software, 2019, 122, 103926.	1.9	30

#	Article	IF	Citations
3298	Effect of Land Use–Land Cover Change on Runoff Characteristics in Mumbai City. Lecture Notes in Civil Engineering, 2020, , 183-192.	0.3	2
3299	Impacts of land use land cover change on runoff and sediment yield of Upper Tapi River Sub-Basin, India. International Journal of River Basin Management, 2020, 18, 177-189.	1.5	57
3300	Assessment of climate change impact on flow regimes over the Gomti River basin under IPCC AR5 climate change scenarios. Journal of Water and Climate Change, 2020, 11, 303-326.	1.2	27
3301	Assessment of land management practices on soil erosion using SWAT model in a Tunisian semi-arid catchment. Journal of Soils and Sediments, 2020, 20, 1129-1139.	1.5	24
3302	Grey water footprint as an indicator for diffuse nitrogen pollution: The case of Navarra, Spain. Science of the Total Environment, 2020, 698, 134338.	3.9	47
3303	Evaluation of Soil and Water Assessment Tool and Artificial Neural Network models for hydrologic simulation in different climatic regions of Asia. Science of the Total Environment, 2020, 701, 134308.	3.9	64
3304	Methods for integrating high-resolution land, climate, and infrastructure scenarios in a hydrologic simulation model. MethodsX, 2020, 7, 100699.	0.7	4
3305	Impacts of land use changes and climate variability on transboundary Hirmand River using SWAT. Journal of Water and Climate Change, 2020, 11, 1695-1711.	1.2	14
3306	Climate change impacts under representative concentration pathway scenarios on streamflow and droughts of basins in the Brazilian Cerrado biome. International Journal of Climatology, 2020, 40, 2511-2526.	1.5	37
3307	Integrated modeling to assess flow changes due to future dam development and operation in Stung Sen River of Tonle Sap Lake Basin, Cambodia. Journal of Water and Climate Change, 2020, 11, 1123-1133.	1.2	4
3308	A Scenario-Based Approach for Assessing the Hydrological Impacts of Land Use and Climate Change in the Marboreh Watershed, Iran. Environmental Modeling and Assessment, 2020, 25, 41-57.	1.2	53
3309	Climate change impacts on Three Gorges Reservoir impoundment and hydropower generation. Journal of Hydrology, 2020, 580, 123922.	2.3	78
3310	Applying Climate Change Risk Management Tools to Integrate Streamflow Projections and Social Vulnerability. Ecosystems, 2020, 23, 67-83.	1.6	5
3311	Realistic and simplified models of plant and leaf area indices for a seasonally dry tropical forest. International Journal of Applied Earth Observation and Geoinformation, 2020, 85, 101992.	1.4	11
3312	Understanding surface water–groundwater interaction, submarine groundwater discharge, and associated nutrient loading in a small tropical island watershed. Journal of Hydrology, 2020, 585, 124342.	2.3	12
3313	Effectiveness and feasibility of different management practices to reduce soil erosion in an agricultural watershed. Land Use Policy, 2020, 90, 104306.	2.5	62
3314	Assessing the adequacy of SWAT model to simulate postfire effects on the watershed hydrological regime and water quality. Land Degradation and Development, 2020, 31, 619-631.	1.8	27
3315	Analyzing FEW nexus modeling tools for water resources decision-making and management applications. Food and Bioproducts Processing, 2020, 119, 108-124.	1.8	32

#	Article	IF	CITATIONS
3316	Determination of spatiotemporal characteristics of agricultural non-point source pollution of river basins using the dynamic time warping distance. Journal of Hydrology, 2020, 583, 124303.	2.3	28
3317	Simulating streamflow in the Upper Halda Basin of southeastern Bangladesh using SWAT model. Hydrological Sciences Journal, 2020, 65, 138-151.	1.2	25
3318	Climate change impact assessment on hydrological fluxes based on ensemble GCM outputs: a case study in eastern Indian River Basin. Journal of Water and Climate Change, 2020, 11, 1676-1694.	1.2	26
3319	Untangling the effects of future climate change and human activity on evapotranspiration in the Heihe agricultural region, Northwest China. Journal of Hydrology, 2020, 585, 124323.	2.3	21
3320	Responses of river discharge and sediment load to climate change in the transboundary Mekong River Basin. Water and Environment Journal, 2020, 34, 367-380.	1.0	17
3321	Assessing planting date effects on seasonal water use of full- and short-season maize using SWAT in the southern Ogallala Aquifer region. Irrigation Science, 2020, 38, 77-87.	1.3	15
3322	Quantifying the contributions of climate variation, land use change, and engineering measures for dramatic reduction in streamflow and sediment in a typical loess watershed, China. Ecological Engineering, 2020, 142, 105611.	1.6	50
3323	Climate change vulnerability assessment and adaptation strategies through best management practices. Journal of Hydrology, 2020, 580, 124311.	2.3	23
3324	Spatio-temporal variability in stream power distribution in the Upper Kosi River basin, Central Himalaya: Controls and geomorphic implications. Geomorphology, 2020, 350, 106888.	1.1	18
3325	Multi-Scale Hydrologic Sensitivity to Climatic and Anthropogenic Changes in Northern Morocco. Geosciences (Switzerland), 2020, 10, 13.	1.0	18
3326	Threshold of sub-watersheds for SWAT to simulate hillslope sediment generation and its spatial variations. Ecological Indicators, 2020, 111, 106040.	2.6	15
3327	Comparison of Long Short Term Memory Networks and the Hydrological Model in Runoff Simulation. Water (Switzerland), 2020, 12, 175.	1.2	96
3328	Development of reservoir operation functions in SWAT+ for national environmental assessments. Journal of Hydrology, 2020, 583, 124556.	2.3	51
3329	Hydrologic Responses to Climate Variability and Human Activities in Lake Ziway Basin, Ethiopia. Water (Switzerland), 2020, 12, 164.	1.2	31
3330	Verification of a New Spatial Distribution Function of Soil Water Storage Capacity Using Conceptual and SWAT Models. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	9
3331	Network-Level Risk-Based Framework for Optimal Bridge Adaptation Management Considering Scour and Climate Change. Journal of Infrastructure Systems, 2020, 26, .	1.0	38
3332	Phosphorus loss assessment tools: a review of underlying concepts and applicability in cold climates. Environmental Science and Pollution Research, 2020, 27, 3794-3802.	2.7	4
3333	Impacts of climate change and LULC change on runoff in the Jinsha River Basin. Journal of Chinese Geography, 2020, 30, 85-102.	1.5	44

#	Article	IF	CITATIONS
3334	Evaluation of high-resolution satellite products for streamflow and water quality assessment in a Southeastern US watershed. Journal of Hydrology: Regional Studies, 2020, 27, 100660.	1.0	12
3335	Effects of dynamic land use/land cover change on water resources and sediment yield in the Anzali wetland catchment, Gilan, Iran. Science of the Total Environment, 2020, 712, 136449.	3.9	128
3336	Performance of the Soil Vulnerability Index with respect to slope, digital elevation model resolution, and hydrologic soil group. Journal of Soils and Water Conservation, 2020, 75, 12-27.	0.8	19
3337	Modeling riverine dissolved and particulate organic carbon fluxes from two small watersheds in the northeastern United States. Environmental Modelling and Software, 2020, 124, 104601.	1.9	17
3338	Resolving Drivers of a Spatial Gradient in Evapotranspiration Through the Simulated Translocation of Landscape Factors. Water Resources Research, 2020, 56, e2019WR025811.	1.7	0
3339	Evaluating the performance of conservation practices under climate change scenarios in the Miyun Reservoir Watershed, China. Ecological Engineering, 2020, 143, 105700.	1.6	39
3340	Multi-environmental impacts of biofuel production in the U.S. Corn Belt: A coupled hydro-biogeochemical modeling approach. Journal of Cleaner Production, 2020, 251, 119561.	4.6	20
3341	Modelling nutrient dynamics in cold agricultural catchments: A review. Environmental Modelling and Software, 2020, 124, 104586.	1.9	17
3342	Suitability of the SWAT Model for Simulating Water Discharge and Sediment Load in a Karst Watershed of the Semiarid Mediterranean Basin. Water Resources Management, 2020, 34, 785-802.	1.9	36
3343	Suitability of global precipitation estimates for hydrologic prediction in the main watersheds of Upper Awash basin. Environmental Earth Sciences, 2020, 79, 1.	1.3	12
3344	Multiscale hydrological drought analysis: Role of climate, catchment and morphological variables and associated thresholds. Journal of Hydrology, 2020, 582, 124533.	2.3	37
3345	Identifying how future climate and land use/cover changes impact streamflow in Xinanjiang Basin, East China. Science of the Total Environment, 2020, 710, 136275.	3.9	61
3346	Macro-HyProS: A new macro-scale hydrologic processes simulator for depression-dominated cold climate regions. Journal of Hydrology, 2020, 580, 124366.	2.3	9
3347	Assessing climate changes impacts on tropical karst catchment: Implications on groundwater resource sustainability and management strategies. Journal of Hydrology, 2020, 582, 124426.	2.3	24
3348	Integrated environmental modeling for efficient aquifer vulnerability assessment using machine learning. Environmental Modelling and Software, 2020, 124, 104602.	1.9	17
3349	A semi-distributed drainage model for monthly drainage water and salinity simulation in a large irrigation district in arid region. Agricultural Water Management, 2020, 230, 105962.	2.4	27
3350	Integrated machine learning methods with resampling algorithms for flood susceptibility prediction. Science of the Total Environment, 2020, 705, 135983.	3.9	155
3351	Individual and combined impacts of future land-use and climate conditions on extreme hydrological events in a representative basin of the Yangtze River Delta, China. Atmospheric Research, 2020, 236, 104805.	1.8	48

#	Article	IF	CITATIONS
3352	Fire severity and soil erosion susceptibility mapping using multi-temporal Earth Observation data: The case of Mati fatal wildfire in Eastern Attica, Greece. Catena, 2020, 187, 104320.	2.2	82
3353	Emission estimation and fate modelling of three typical pesticides in Dongjiang River basin, China. Environmental Pollution, 2020, 258, 113660.	3.7	19
3354	Modeling interbasin groundwater flow in karst areas: Model development, application, and calibration strategy. Environmental Modelling and Software, 2020, 124, 104606.	1.9	14
3355	Impact of climate change on the hydrology and water salinity in the Anzali Wetland, northern Iran. Hydrological Sciences Journal, 2020, 65, 552-570.	1.2	19
3356	Depression threshold control proxy to improve HEC-HMS modeling of depression-dominated watersheds. Hydrological Sciences Journal, 2020, 65, 200-211.	1.2	8
3357	Assimilation of Sentinel 1 and SMAP–Âbased satellite soil moisture retrievals into SWAT hydrological model: the impact of satellite revisit time andÂproduct spatial resolution on flood simulations in small basins. Journal of Hydrology, 2020, 581, 124367.	2.3	51
3358	Predicting the climate change impacts on water-carbon coupling cycles for a loess hilly-gully watershed. Journal of Hydrology, 2020, 581, 124388.	2.3	38
3359	Effects of surface runoff and infiltration partition methods on hydrological modeling: A comparison of four schemes in two watersheds in the Northeastern US. Journal of Hydrology, 2020, 581, 124415.	2.3	21
3360	Predicting the ecological status of rivers and streams under different climatic and socioeconomic scenarios using Bayesian Belief Networks. Limnologica, 2020, 80, 125742.	0.7	13
3361	Identifying relevant hydrological and catchment properties in active subspaces: An inference study of a lumped karst aquifer model. Advances in Water Resources, 2020, 135, 103472.	1.7	14
3362	Estimating influences of environmental drivers on soil heterotrophic respiration in the Athabasca River Basin, Canada. Environmental Pollution, 2020, 257, 113630.	3.7	18
3363	Sensitivity analysis of the DEM resolution and effective parameters of runoff yield in the SWAT model: a case study. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 39-54.	0.6	29
3364	Assessment of MC& MCMC uncertainty analysis frameworks on SWAT model by focusing on future runoff prediction in a mountainous watershed via CMIP5 models. Journal of Water and Climate Change, 2020, 11, 1811-1828.	1.2	5
3365	Comparative evaluation of conceptual and physical rainfall–runoff models. Applied Water Science, 2020, 10, 1.	2.8	82
3366	Riparian buffer effectiveness as a function of buffer design and input loads. Journal of Environmental Quality, 2020, 49, 1599-1611.	1.0	12
3367	Application of SWAT hydrological model for assessing water availability at the Sherigu catchment of Ghana and Southern Burkina Faso. HydroResearch, 2020, 3, 124-133.	1.7	28
3368	Determination of Non-point Pollution Critical Areas to Provide Sustainable River Basin Management, Gördes Dam Basin, Turkey. IOP Conference Series: Earth and Environmental Science, 2020, 544, 012013.	0.2	0
3369	Combining SWAT Model and Regionalization Approach to Estimate Soil Erosion under Limited Data Availability Conditions. Eurasian Soil Science, 2020, 53, 1280-1292.	0.5	11

#	Article	IF	CITATIONS
3370	Assessing Climate Change Effects on Water Balance in a Monsoon Watershed. Water (Switzerland), 2020, 12, 2564.	1.2	12
3371	Modelling the impact of runoff generation on agricultural and urban phosphorus loading of the subtropical Poyang Lake (China). Journal of Hydrology, 2020, 590, 125490.	2.3	9
3372	Improved Estimations of Nitrate and Sediment Concentrations Based on SWAT Simulations and Annual Updated Land Cover Products from a Deep Learning Classification Algorithm. ISPRS International Journal of Geo-Information, 2020, 9, 576.	1.4	4
3373	Impact Assessment of Best Management Practices (BMPs) on the Water Footprint of Agricultural Productions. International Journal of Environmental Research, 2020, 14, 641-652.	1.1	9
3374	Is hillslope-based catchment decomposition approach superior to hydrologic response unit (HRU) for stream-aquifer interaction modelling: Inference from two process-based coupled models. Journal of Hydrology, 2020, 591, 125588.	2.3	11
3375	Flood hazard delineation in an ungauged catchment by coupling hydrologic and hydraulic models with geospatial techniques—a case study of Koraiyar basin, Tiruchirappalli City, Tamil Nadu, India. Environmental Monitoring and Assessment, 2020, 192, 689.	1.3	10
3376	Simulating Reservoir Induced Lhasa Streamflow Variability Using ArcSWAT. Water (Switzerland), 2020, 12, 1370.	1.2	4
3377	Assessing concurrent effects of climate change on hydropower supply, electricity demand, and greenhouse gas emissions in the Upper Yangtze River Basin of China. Applied Energy, 2020, 279, 115694.	5.1	55
3378	Assessing the land use/land cover and climate change impact on water balance on Tordzie watershed. Remote Sensing Applications: Society and Environment, 2020, 20, 100381.	0.8	11
3379	Assessing the impacts of historical and future land use and climate change on the streamflow and sediment yield of a tropical mountainous river basin in South India. Environmental Monitoring and Assessment, 2020, 192, 679.	1.3	27
3380	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
3381	Assessment of impacts of land use/land cover changes upstream of a dam in a semi-arid watershed using QSWAT. Modeling Earth Systems and Environment, 2021, 7, 2391-2406.	1.9	13
3382	Evaluation of adaptation options for reducing soil erosion due to climate change in the Swat River Basin of Pakistan. Ecological Engineering, 2020, 158, 106017.	1.6	16
3383	Development of an interface-oriented add-in modeling framework for integrated water system simulation and its application. Environmental Modelling and Software, 2020, 134, 104840.	1.9	11
3384	A multi-model approach for analysing water balance and water-related ecosystem services in the Ouriyori catchment (Benin). Hydrological Sciences Journal, 2020, 65, 2453-2465.	1.2	2
3385	Improving Forecast Skill of Lowland Hydrological Models Using Ensemble Kalman Filter and Unscented Kalman Filter. Water Resources Research, 2020, 56, e2020WR027468.	1.7	25
3386	Assessing the impacts of land cover and climate on runoff and sediment yield of a river basin. Hydrological Sciences Journal, 2020, 65, 2097-2115.	1.2	32
3387	Improving Information Extraction From Simulated Discharge Using Sensitivityâ€Weighted Performance Criteria. Water Resources Research, 2020, 56, e2019WR025605.	1.7	2

#	Article	IF	Citations
3388	Impact of Climate and Land Use/Land Cover Change on the Water Resources of a Tropical Inland Valley Catchment in Uganda, East Africa. Climate, 2020, 8, 83.	1.2	19
3389	A Semianalytical Interface Model of Soil Freeze/Thaw and Permafrost Evolution. Water Resources Research, 2020, 56, e2020WR027638.	1.7	6
3390	A Process-Based, Fully Distributed Soil Erosion and Sediment Transport Model for WRF-Hydro. Water (Switzerland), 2020, 12, 1840.	1.2	10
3391	Development of catchment water quality models within a realtime status and forecast system for the Great Barrier Reef. Environmental Modelling and Software, 2020, 132, 104790.	1.9	11
3392	Evaluating satellite-based evapotranspiration estimates for hydrological applications in data-scarce regions: A case in Ethiopia. Science of the Total Environment, 2020, 743, 140702.	3.9	41
3393	Identification of critical areas and evaluation of best management practices using SWAT for sustainable watershed management. Science of the Total Environment, 2020, 744, 140737.	3.9	57
3394	Freeze-Thaw cycle representation alters response of watershed hydrology to future climate change. Catena, 2020, 195, 104767.	2.2	52
3395	Characterizing nitrogen attenuation by headwater slope wetlands across different land uses. Ecological Engineering, 2020, 149, 105833.	1.6	5
3396	Mining activity impacts on soil erodibility and reservoirs silting: Evaluation of mining decommissioning strategies. Journal of Hydrology, 2020, 589, 125107.	2.3	11
3397	The response of three Mediterranean karst springs to drought and the impact of climate change. Journal of Hydrology, 2020, 591, 125296.	2.3	31
3398	Application of SWAT model and SWAT-CUP software in simulation and analysis of sediment uncertainty in arid and semi-arid watersheds (case study: the Zoshk–Abardeh watershed). Modeling Earth Systems and Environment, 2020, 6, 2003-2013.	1.9	39
3399	Improved hydrologic modeling for depression-dominated areas. Journal of Hydrology, 2020, 590, 125269.	2.3	11
3400	Land use change scenarios and their effects on hydropower energy in the Amazon. Science of the Total Environment, 2020, 744, 140981.	3.9	24
3401	Applicability and Hydrologic Substitutability of TMPA Satellite Precipitation Product in the Feilaixia Catchment, China. Water (Switzerland), 2020, 12, 1803.	1.2	4
3402	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
3403	Efficiency of Artificial Groundwater Recharge, Quantification Through Conceptual Modelling. Water Resources Management, 2020, 34, 3345-3361.	1.9	10
3404	Impacts of land-use and climate changes on surface runoff in a tropical forest watershed (Brazil). Hydrological Sciences Journal, 2020, 65, 1956-1973.	1.2	16
3405	Conjunctive use of groundwater and surface water for paddy rice irrigation in Sanjiang plain, Northâ€East China *. Irrigation and Drainage, 2020, 69, 142-152.	0.8	4

#	Article	IF	CITATIONS
3406	Applications of a SWAT model to evaluate the contribution of the Tafna catchment (north-west) Tj ETQq0 0 0 rg8 Assessment, 2020, 192, 510.	T /Overloc 1.3	k 10 Tf 50 7 11
3407	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
3408	Application of CORDEX-AFRICA and NEX-GDDP datasets for hydrologic projections under climate change in Lake Ziway sub-basin, Ethiopia. Journal of Hydrology: Regional Studies, 2020, 31, 100721.	1.0	24
3409	Soil erosion and sediment dynamics in the Anthropocene: a review of human impacts during a period of rapid global environmental change. Journal of Soils and Sediments, 2020, 20, 4115-4143.	1.5	77
3410	Impacts of climate change on the flow of the transboundary Koshi River, with implications for local irrigation. International Journal of Water Resources Development, 2021, 37, 929-954.	1.2	26
3411	A simple method for water balance estimation based on the empirical method and remotely sensed evapotranspiration estimates. Journal of Hydroinformatics, 2020, 22, 440-451.	1.1	22
3412	Multi-Scenario Integration Comparison of CMADS and TMPA Datasets for Hydro-Climatic Simulation over Ganjiang River Basin, China. Water (Switzerland), 2020, 12, 3243.	1.2	7
3413	Climate Change Impact on Soil Moisture Variability: Health Effects of Radon Flux Density Within Ogbomoso, Nigeria., 2020, , 1-16.		O
3414	Comprehensive evaluation of hydrological models for climate change impact assessment in the Upper Yangtze River Basin, China. Climatic Change, 2020, 163, 1207-1226.	1.7	34
3415	Integrating field observations and process-based modeling to predict watershed water quality under environmental perturbations. Journal of Hydrology, 2021, 602, 125762.	2.3	22
3416	In-Channel Managed Aquifer Recharge: A Review of Current Development Worldwide and Future Potential in Europe. Water (Switzerland), 2020, 12, 3099.	1.2	25
3417	Modeling the Impacts of Climate Change on Crop Yield and Irrigation in the Monocacy River Watershed, USA. Climate, 2020, 8, 139.	1.2	16
3418	Impact of Coastal Wetland Restoration Plan on the Water Balance Components of Heeia Watershed, Hawaii. Hydrology, 2020, 7, 86.	1.3	2
3419	Regional Parameter Estimation of the SWAT Model: Methodology and Application to River Basins in the Peruvian Pacific Drainage. Water (Switzerland), 2020, 12, 3198.	1.2	10
3420	Inter-Comparison of Gauge-Based Gridded Data, Reanalysis and Satellite Precipitation Product with an Emphasis on Hydrological Modeling. Atmosphere, 2020, 11, 1252.	1.0	27
3421	Modeling hydrological response to land use/cover change: case study of Chirah Watershed (Soan) Tj ETQq1 1 0.78	84314 rgB 0.6	T ₂ /Overlock
3422	The Assessment of Climate Change and Land-Use Influences on the Runoff of a Typical Coastal Basin in Northern China. Sustainability, 2020, 12, 10050.	1.6	10
3423	Potential implications of land use/land cover change and climate variability on ungauged watershed hydrology. International Journal of Hydrology Science and Technology, 2020, 10, 167.	0.2	O

#	Article	IF	CITATIONS
3424	Co-designed Land-use Scenarios and their Implications for Storm Runoff and Streamflow in New England. Environmental Management, 2020, 66, 785-800.	1.2	3
3425	A hybrid drought index for drought assessment in Wadi Shueib catchment area in Jordan. Journal of Hydroinformatics, 2020, 22, 937-956.	1.1	6
3426	Assessing the Impacts of Interbasin Water Transfer Reservoir on Streamflow. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	10
3427	SouthEast Asia HydrO-meteorological droughT (SEA-HOT) framework: A case study in the Kelantan River Basin, Malaysia. Atmospheric Research, 2020, 246, 105155.	1.8	17
3428	Study on Erosion Status of Typical Small Watershed in Yanghe River Basin. IOP Conference Series: Materials Science and Engineering, 2020, 774, 012145.	0.3	0
3429	Modeling Climate Warming Impacts on Grain and Forage Sorghum Yields in Argentina. Agronomy, 2020, 10, 964.	1.3	9
3430	Flooding Urban Landscapes: Analysis Using Combined Hydrodynamic and Hydrologic Modeling Approaches. Water (Switzerland), 2020, 12, 1986.	1.2	16
3431	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
3432	Metaldehyde prediction by integrating existing water industry datasets with the soil and water assessment tool. Water Research, 2020, 183, 116053.	5.3	10
3433	Investigating the Role of Hydrological Model Parameter Uncertainties in Future Streamflow Projections. Journal of Hydrologic Engineering - ASCE, 2020, 25, 05020035.	0.8	2
3434	Water balance components estimation under scenarios of land cover change in the Vea catchment, West Africa. Hydrological Sciences Journal, 2020, 65, 2196-2209.	1.2	15
3435	Hydrologic Assessment of TRMM and GPM-Based Precipitation Products in Transboundary River Catchment (Chenab River, Pakistan). Water (Switzerland), 2020, 12, 1902.	1.2	20
3436	Quantification of climate change and land cover/use transition impacts on runoff variations in the upper Hailar Basin, NE China. Hydrology Research, 2020, 51, 976-993.	1.1	2
3437	Simulation of the Potential Impacts of Projected Climate Change on Streamflow in the Vakhsh River Basin in Central Asia under CMIP5 RCP Scenarios. Water (Switzerland), 2020, 12, 1426.	1.2	21
3438	Development of alternative SWAT-based models for simulating water budget components and streamflow for a karstic-influenced watershed. Catena, 2020, 195, 104801.	2.2	27
3439	Coupled Simulation-Optimization Model for the Management of Groundwater Resources by Considering Uncertainty and Conflict Resolution. Water Resources Management, 2020, 34, 3585-3608.	1.9	23
3440	Coupled DSSAT-SWAT models to reduce off-site N pollution in Mediterranean irrigated watershed. Science of the Total Environment, 2020, 745, 141000.	3.9	14
3442	The Interactive Impact of Land Cover and DEM Resolution on the Accuracy of Computed Streamflow Using the SWAT Model. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	15

#	Article	IF	CITATIONS
3443	Assessment of climate change impact on future streamflow at Bernam river basin Malaysia. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012040.	0.2	6
3444	Assessing the impacts of land use/land cover and climate change on surface runoff of a humid tropical river basin in Western Ghats, India. International Journal of River Basin Management, 2023, 21, 141-152.	1.5	28
3445	Assessment of Groundwater Recharge in Agro-Urban Watersheds Using Integrated SWAT-MODFLOW Model. Sustainability, 2020, 12, 6593.	1.6	28
3446	Analysis of ambo water supply source diversion weir sedimentation and assessing impact of land management practice through hydrological studies. Sustainable Water Resources Management, 2020, 6, 1.	1.0	5
3447	Modeling the spatio-temporal flow dynamics of groundwater-surface water interactions of the Lake Tana Basin, Upper Blue Nile, Ethiopia. Hydrology Research, 2020, 51, 1537-1559.	1.1	15
3448	The Regional Hydro-Ecological Simulation System for 30 Years: A Systematic Review. Water (Switzerland), 2020, 12, 2878.	1.2	8
3449	A Scoring Matrix Method for Integrated Evaluation of Water-Related Ecosystem Services Provided by Urban Parks. Environmental Management, 2020, 66, 756-769.	1.2	7
3450	Automated Water Supply Model (AWSM): Streamlining and standardizing application of a physically based snow model for water resources and reproducible science. Computers and Geosciences, 2020, 144, 104571.	2.0	7
3451	The effects of land use land cover change on hydrological flow in Giba catchment, Tigray, Ethiopia. Cogent Environmental Science, 2020, 6, .	1.6	13
3452	Modeling climate change impact on streamflow as affected by snowmelt in Nicolet River Watershed, Quebec. Computers and Electronics in Agriculture, 2020, 178, 105756.	3.7	9
3453	Monitoring sediment yield for soil and water conservation planning in rural catchments. Environmental Monitoring and Assessment, 2020, 192, 736.	1.3	7
3454	What about reservoirs? Questioning anthropogenic and climatic interferences on water availability. Hydrological Processes, 2020, 34, 5441-5455.	1.1	15
3455	Relative Importance of Land Use and Climate Change on Hydrology in Agricultural Watershed of Southern China. Sustainability, 2020, 12, 6423.	1.6	5
3456	Assessing Hydrological Vulnerability to Future Droughts in a Mediterranean Watershed: Combined Indices-Based and Distributed Modeling Approaches. Water (Switzerland), 2020, 12, 2333.	1.2	18
3457	Streamflow estimation in ungauged basins using watershed classification and regionalization techniques. Journal of Earth System Science, 2020, 129, 1.	0.6	17
3458	Evaluating a finer resolution global hydrological model's simulation of discharge in four West-African river basins. Modeling Earth Systems and Environment, 2020, 7, 2167.	1.9	3
3459	Does comprehensive evaluation of hydrological models influence projected changes of mean and high flows in the Godavari River basin?. Climatic Change, 2020, 163, 1187-1205.	1.7	13
3460	Comparison of spatial interpolation methods for the estimation of precipitation patterns at different time scales to improve the accuracy of discharge simulations. Hydrology Research, 2020, 51, 583-601.	1.1	19

#	Article	IF	CITATIONS
3461	Evaluating SWAT Performance to Quantify the Streamflow Sediment Yield in a Highly Urbanized Basin. Environmental Sciences Proceedings, 2020, 2, 5.	0.3	1
3462	A Large-Scale Nature-Based Solution in Agriculture for Sustainable Water Management: The Lake Karla Case. Sustainability, 2020, 12, 6761.	1.6	22
3463	Impacts of hydrological model calibration on projected hydrological changes under climate change—a multi-model assessment in three large river basins. Climatic Change, 2020, 163, 1143-1164.	1.7	25
3464	Modeling arid/semi-arid irrigated agricultural watersheds with SWAT: Applications, challenges, and solution strategies. Journal of Hydrology, 2020, 590, 125418.	2.3	53
3465	Evaluating Surface Runoff Responses to Land Use Changes in a Data Scarce Basin: a Case Study in Palas Basin, Turkey. Water Resources, 2020, 47, 828-834.	0.3	4
3466	Evaluation of Satellite Precipitation Products for Hydrological Modeling in the Brazilian Cerrado Biome. Water (Switzerland), 2020, 12, 2571.	1.2	31
3467	Testing the Robustness of a Physically-Based Hydrological Model in Two Data Limited Inland Valley Catchments in Dano, Burkina Faso. Hydrology, 2020, 7, 43.	1.3	5
3468	Payment Criteria and Mode for Watershed Ecosystem Services: A Case Study of the Heihe River Basin, Northwest China. Sustainability, 2020, 12, 6177.	1.6	9
3469	Development of a SWAT Hydropower Operation Routine and Its Application to Assessing Hydrological Alterations in the Mekong. Water (Switzerland), 2020, 12, 2193.	1.2	11
3470	Evaluating Water Balance Variables under Land Use and Climate Projections in the Upper Choctawhatchee River Watershed, in Southeast US. Water (Switzerland), 2020, 12, 2205.	1.2	10
3471	Effect of land use land cover changes on runoff using hydrological model: a case study in Hiranyakeshi watershed. Modeling Earth Systems and Environment, 2020, 6, 2345-2357.	1.9	14
3472	Evaluation of Satellite Precipitation Products in Simulating Streamflow in a Humid Tropical Catchment of India Using a Semi-Distributed Hydrological Model. Water (Switzerland), 2020, 12, 2400.	1.2	20
3473	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.	1.1	16
3474	Integrating water use systems and soil and water conservation measures into a hydrological model of an Iranian Wadi system. Journal of Arid Land, 2020, 12, 545-560.	0.9	8
3475	A Multi-Disciplinary Approach to Understand Hydrologic and Geochemical Processes at Koiliaris Critical Zone Observatory. Water (Switzerland), 2020, 12, 2474.	1.2	4
3476	Watershed models for assessment of hydrological behavior of the catchments: a comparative study. Water Practice and Technology, 2020, 15, 261-281.	1.0	7
3477	Improving the Applicability of the SWAT Model to Simulate Flow and Nitrate Dynamics in a Flat Data-Scarce Agricultural Region in the Mediterranean. Water (Switzerland), 2020, 12, 3479.	1.2	16
3478	Spatiotemporal variation in nitrogen loads and their impacts on river water quality in the upper Yangtze River basin. Journal of Hydrology, 2020, 590, 125487.	2.3	33

#	Article	IF	CITATIONS
3479	Parameter Optimization for Uncertainty Reduction and Simulation Improvement of Hydrological Modeling. Remote Sensing, 2020, 12, 4069.	1.8	15
3480	Farm-Scale Biofuel Crop Adoption and Its Effects on In-Basin Water Balance. Sustainability, 2020, 12, 10596.	1.6	6
3481	Monitoring ungauged watersheds for investigating the variability of flow and salinity to implement the possible removal of salt fill sites. Environmental Monitoring and Assessment, 2020, 192, 762.	1.3	2
3482	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
3483	Assessment of Hydrology and Sediment Yield in the Mekong River Basin Using SWAT Model. Water (Switzerland), 2020, 12, 3503.	1.2	25
3484	Assessment of Climate Change Impacts on River Flow Regimes in the Upstream of Awash Basin, Ethiopia: Based on IPCC Fifth Assessment Report (AR5) Climate Change Scenarios. Hydrology, 2020, 7, 98.	1.3	33
3485	How evaluation of hydrological models influences results of climate impact assessment—an editorial. Climatic Change, 2020, 163, 1121-1141.	1.7	11
3486	Comparison of Snowfall Variations over China Identified from Different Snowfall/Rainfall Discrimination Methods. Journal of Meteorological Research, 2020, 34, 1114-1128.	0.9	13
3487	Water Use Conflict and Coordination between Agricultural and Wetlands—A Case Study of Yanqi Basin. Water (Switzerland), 2020, 12, 3225.	1.2	7
3488	Comparison of NCEP-CFSR and CMADS for Hydrological Modelling Using SWAT in the Muda River Basin, Malaysia. Water (Switzerland), 2020, 12, 3288.	1.2	11
3489	Selection of Effective GCM Bias Correction Methods and Evaluation of Hydrological Response under Future Climate Scenarios. Climate, 2020, 8, 108.	1.2	16
3490	Evaluation of Multi-Satellite Precipitation Datasets and Their Error Propagation in Hydrological Modeling in a Monsoon-Prone Region. Remote Sensing, 2020, 12, 3550.	1.8	12
3491	Evaluation of Different Objective Functions Used in the SUFI-2 Calibration Process of SWAT-CUP on Water Balance Analysis: A Case Study of the Pursat River Basin, Cambodia. Water (Switzerland), 2020, 12, 2901.	1.2	39
3492	Simulation of Titicaca Lake Water Level Fluctuations Using Hybrid Machine Learning Technique Integrated with Grey Wolf Optimizer Algorithm. Water (Switzerland), 2020, 12, 3015.	1.2	48
3493	Hydrologic response to land use land cover change in the Upper Gidabo Watershed, Rift Valley Lakes Basin, Ethiopia. HydroResearch, 2020, 3, 85-94.	1.7	32
3494	Waste to Land (W2L): A novel tool to show and predict the spatial effect of applying biosolids on the environment. Agricultural Systems, 2020, 185, 102934.	3.2	6
3495	Assessment of Soil Erosion Using the RUSLE Model for the Epworth District of the Harare Metropolitan Province, Zimbabwe. Sustainability, 2020, 12, 8531.	1.6	33
3496	Addressing the water conflict between agriculture and ecosystems under environmental flow regulation: An integrated modeling study. Environmental Modelling and Software, 2020, 134, 104874.	1.9	15

#	Article	IF	Citations
3497	Currents Status, Challenges, and Future Directions in Identifying Critical Source Areas for Non-Point Source Pollution in Canadian Conditions. Agriculture (Switzerland), 2020, 10, 468.	1.4	24
3498	A New Physically-Based Spatially-Distributed Groundwater Flow Module for SWAT+. Hydrology, 2020, 7, 75.	1.3	19
3499	The Effects of Restoration Practices on a Small Watershed in China's Loess Plateau: A Case Study of the Qiaozigou Watershed. Sustainability, 2020, 12, 8376.	1.6	3
3500	Sequence-based statistical downscaling and its application to hydrologic simulations based on machine learning and big data. Journal of Hydrology, 2020, 586, 124875.	2.3	26
3501	Modelling Water Resources for Nature-based Solutions. , 2020, , 100-151.		0
3502	Harmful cyanobacterial blooms: a case study of a cool lake. Water and Environment Journal, 2020, 34, 490-502.	1.0	2
3503	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Hydrological model development using multi-site calibration approach (Part-A). Journal of Hydrology: Regional Studies, 2020, 29, 100690.	1.0	18
3504	Evaluation of Conservation Effects Assessment Project Grazing Lands conservation practices on the Cienega Creek watershed in southeast Arizona with AGWA/RHEM modeling tools. Journal of Soils and Water Conservation, 2020, 75, 304-318.	0.8	5
3505	An overview of research into conservation practice effects on soil and water resources in the Upper Washita Basin, Oklahoma, United States. Journal of Soils and Water Conservation, 2020, 75, 330-339.	0.8	5
3506	Effects of Landscape Pattern Change on Water Yield and Nonpoint Source Pollution in the Hun-Taizi River Watershed, China. International Journal of Environmental Research and Public Health, 2020, 17, 3060.	1.2	14
3507	The impact of climate change on a Mediterranean shallow lake: insights based on catchment and lake modelling. Regional Environmental Change, 2020, 20, 1.	1.4	30
3508	Uncertainty of hydrologic simulation, and its impact on the design and the effectiveness of water conservation structures. Stochastic Environmental Research and Risk Assessment, 2020, 34, 973-991.	1.9	5
3509	Quantifying the impacts of the Conservation Effects Assessment Project watershed assessments: The first fifteen years. Journal of Soils and Water Conservation, 2020, 75, 57A-74A.	0.8	20
3510	Developing a hydro-chemical model of Ise Bay watersheds and the evaluation of climate change impacts on discharge and nitrate-nitrogen loads. Limnology, 2020, 21, 465-486.	0.8	2
3511	Accounting for soil moisture in rainfall-runoff modelling of urban areas. Journal of Hydrology, 2020, 589, 125122.	2.3	24
3512	Modeling of phosphorus loss from field to watershed: A review. Journal of Environmental Quality, 2020, 49, 1203-1224.	1.0	15
3513	Linking life and landscape with remote sensing. Developments in Earth Surface Processes, 2020, 23, 129-182.	2.8	0
3514	Spatio-temporal critical source area patterns of runoff pollution from agricultural practices in the Colombian Andes. Ecological Engineering, 2020, 149, 105810.	1.6	9

#	Article	IF	CITATIONS
3515	Assessment of future hydrologic alteration due to climate change in the Aracthos River basin (NW) Tj ETQq0 0 0	rgBT/Ove	rlock 10 Tf 50
3516	Evaluation of various spatial rainfall datasets for streamflow simulation using SWAT model of Wunna basin, India. International Journal of River Basin Management, 2022, 20, 389-398.	1.5	10
3517	Hydromorphological analysis of Upper Tapi River Sub-basin, India, using QSWAT model. Modeling Earth Systems and Environment, 2020, 6, 2111-2127.	1.9	15
3518	Budyko framework; towards non-steady state conditions. Journal of Hydrology, 2020, 588, 125089.	2.3	45
3519	Ecosystem service valuation method through grey water footprint in partially-monitored subtropical watersheds. Science of the Total Environment, 2020, 738, 139408.	3.9	9
3520	BaHSYM: Parsimonious Bayesian hierarchical model to predict river sediment yield. Environmental Modelling and Software, 2020, 131, 104738.	1.9	2
3521	Forecasting the combined effects of anticipated climate change and agricultural conservation practices on fish recruitment dynamics in Lake Erie. Freshwater Biology, 2020, 65, 1487-1508.	1.2	15
3522	Effect of Land Use and Land Cover Change on Soil Erosion in Erer Sub-Basin, Northeast Wabi Shebelle Basin, Ethiopia. Land, 2020, 9, 111.	1.2	29
3523	Coupled hydrological and biogeochemical modelling of nitrogen transport in the karst critical zone. Science of the Total Environment, 2020, 732, 138902.	3.9	31
3524	Modelling spatio-temporal patterns of soil carbon and greenhouse gas emissions in grazing lands: Current status and prospects. Science of the Total Environment, 2020, 739, 139092.	3.9	23
3525	Multi-Variable Sensitivity Analysis, Calibration, and Validation of a Field-Scale SWAT Model: Building Stakeholder Trust in Hydrologic and Water Quality Modeling. Transactions of the ASABE, 2020, 63, 523-539.	1.1	12
3527	Evaluating impacts of climate change on hydrology and total nitrogen loads using coupled APEX-paddy and SWAT models. Paddy and Water Environment, 2020, 18, 515-529.	1.0	17
3528	Hydrological evaluation of merged satellite precipitation datasets for streamflow simulation using SWAT: A case study of Potohar Plateau, Pakistan. Journal of Hydrology, 2020, 587, 125040.	2.3	41
3529	Unsupervised learning approach in defining the similarity of catchments: Hydrological response unit based k-means clustering, a demonstration on Western Black Sea Region of Turkey. International Soil and Water Conservation Research, 2020, 8, 321-331.	3.0	45
3530	A novel embedded pothole module for Soil and Water Assessment Tool (SWAT) improving streamflow estimation in paddy-dominated catchments. Journal of Hydrology, 2020, 588, 125103.	2.3	29
3531	Sensitivity of Streamflow Metrics to Infiltrationâ€Based Stormwater Management Networks. Water Resources Research, 2020, 56, e2019WR026555.	1.7	8
3532	Comparison of runoff generation methods for land use impact assessment using the SWAT model in humid tropics. Hydrological Research Letters, 2020, 14, 81-88.	0.3	10
3533	A review of SWAT applications, performance and future needs for simulation of hydro-climatic extremes. Advances in Water Resources, 2020, 143, 103662.	1.7	136

#	Article	IF	CITATIONS
3534	Insights on expected streamflow response to land-cover restoration. Journal of Hydrology, 2020, 589, 125121.	2.3	0
3535	Carbon and nutrient recycling ecotechnologies in three Baltic Sea river basins – the effectiveness in nutrient load reduction. Ecohydrology and Hydrobiology, 2020, 20, 313-322.	1.0	5
3536	A tale of two rivers: Integrated hydro-economic modeling for the evaluation of trading opportunities and return flow externalities in inter-basin agricultural water markets. Journal of Hydrology, 2020, 584, 124676.	2.3	19
3537	Addressing the spatial disconnect between nationalâ€scale total maximum daily loads and localized land management decisions. Journal of Environmental Quality, 2020, 49, 613-627.	1.0	16
3538	Sediment Yield Estimation and Effect of Management Options on Sediment Yield of Kesem Dam Watershed, Awash Basin, Ethiopia. Scientific African, 2020, 9, e00425.	0.7	13
3539	How Can We Represent Seasonal Land Use Dynamics in SWAT and SWAT+ Models for African Cultivated Catchments?. Water (Switzerland), 2020, 12, 1541.	1.2	22
3540	Climate change impacts on floodway and floodway fringe: a case study in Shahrchay River Basin, Iran. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	3
3541	Importance of Detailed Soil Information for Hydrological Modelling in an Urbanized Environment. Hydrology, 2020, 7, 34.	1.3	9
3542	Economic valuation of the natural service of nitrate regulation provided by rivers including dilution effects: Application to a semiarid region, the Ebro basin (Spain). Ecological Indicators, 2020, 117, 106608.	2.6	2
3543	Assessing the Effects of Snowmelt Dynamics on Streamflow and Water Balance Components in an Eastern Himalayan River Basin Using SWAT Model. Environmental Modeling and Assessment, 2020, 25, 861-883.	1.2	10
3544	Nature-based solutions as enablers of circularity in water systems: A review on assessment methodologies, tools and indicators. Water Research, 2020, 183, 115988.	5.3	72
3545	Daily gridded temperature and precipitation datasets over the Black Sea catchment: 1961–1990 and climate change scenarios for 2071–2100. Theoretical and Applied Climatology, 2020, 142, 805-830.	1.3	0
3546	Maximizing crops yield net benefit in a groundwater-irrigated plain constrained to aquifer stable depletion using a coupled PSO-SWAT-MODFLOW hydro-agronomic model. Journal of Cleaner Production, 2020, 262, 121349.	4.6	25
3547	A Coupled Hydrologic–Hydraulic Model (XAJ–HiPIMS) for Flood Simulation. Water (Switzerland), 2020, 12, 1288.	1.2	8
3548	Modeling for integrated water resources management in the Mediterranean region., 2020,, 157-190.		3
3549	A Review of Ongoing Advancements in Soil and Water Assessment Tool (SWAT) for Nitrous Oxide (N2o) Modeling. Atmosphere, 2020, 11 , 450.	1.0	10
3550	Improved Model Parameter Transferability Method for Hydrological Simulation with SWAT in Ungauged Mountainous Catchments. Sustainability, 2020, 12, 3551.	1.6	6
3551	Micro-Watershed Management for Erosion Control Using Soil and Water Conservation Structures and SWAT Modeling. Water (Switzerland), 2020, 12, 1439.	1.2	13

#	Article	IF	CITATIONS
3552	Possibilities of including surface runoff barriers in the slope-length factor calculation in the GIS environment and its integration in the user-friendly LS-RUSLE tool. Soil and Water Research, 2020, 15, 246-257.	0.7	8
3553	Robust strategies for climate change adaptation in the agricultural sector under deep climate uncertainty. Stochastic Environmental Research and Risk Assessment, 2020, 34, 755-774.	1.9	9
3554	Spatiotemporal Variation of Water Availability under Changing Climate: Case Study of the Upper Girna Basin, India. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	14
3555	Prediction of reservoir sedimentation using Soil Water Assessment Tool (SWAT) towards development of sustainable catchment management. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022041.	0.3	1
3556	Drought in the Twenty-First Century in a Water-Rich Region: Modeling Study of the Wabash River Watershed, USA. Water (Switzerland), 2020, 12, 181.	1.2	6
3557	Investigating the impact of climate and land-use land cover changes on hydrological predictions over the Krishna river basin under present and future scenarios. Science of the Total Environment, 2020, 721, 137736.	3.9	66
3558	Quantifying the relationship between streamflow and climate change in a small basin under future scenarios. Ecological Indicators, 2020, 113, 106251.	2.6	10
3559	Relative contribution of evapotranspiration and soil compaction to the fluctuation of catchment discharge: case study from a plantation landscape. Hydrological Sciences Journal, 2020, 65, 1239-1248.	1.2	13
3560	How Do Gaining and Losing Streams React to the Combined Effects of Climate Change and Pumping in the Gharehsoo River Basin, Iran?. Water Resources Research, 2020, 56, e2019WR025388.	1.7	9
3561	Sensitivity of fecal coliform bacteria transport to climate change in an agricultural watershed. Journal of Water and Climate Change, 2020, 11, 1250-1262.	1.2	4
3562	Using an improved SWAT model to simulate hydrological responses to land use change: A case study of a catchment in tropical Australia. Journal of Hydrology, 2020, 585, 124822.	2.3	96
3563	Irrigation Scheduling Approaches and Applications: A Review. Journal of Irrigation and Drainage Engineering - ASCE, 2020, 146, .	0.6	94
3564	Understanding dominant controls on streamflow spatial variability to set up a semi-distributed hydrological model: the case study of the Thur catchment. Hydrology and Earth System Sciences, 2020, 24, 1319-1345.	1.9	20
3565	Evaluating precipitation products for hydrologic modeling over a large river basin in the Midwestern USA. Hydrological Sciences Journal, 2020, 65, 1221-1238.	1.2	10
3566	Temporal and spatial dynamics of surface run-off from Lake Basaka catchment (Ethiopia) using SCS-CN model coupled with remote sensing and GIS. Lakes and Reservoirs: Research and Management, 2020, 25, 167-182.	0.6	3
3567	Using the Soil and Water Assessment Tool to Simulate the Pesticide Dynamics in the Data Scarce Guayas River Basin, Ecuador. Water (Switzerland), 2020, 12, 696.	1.2	16
3568	Multi-site bias correction of climate model outputs for hydro-meteorological impact studies: An application over a watershed in China. Hydrological Processes, 2020, 34, 2575-2598.	1.1	20
3569	Adequacy of Satellite-derived Precipitation Estimate for Hydrological Modeling in Vietnam Basins. Journal of Hydrology, 2020, 586, 124820.	2.3	80

#	Article	IF	CITATIONS
3570	Evaluating and Predicting the Effects of Land Use Changes on Hydrology in Wami River Basin, Tanzania. Hydrology, 2020, 7, 17.	1.3	22
3571	Modeling the future impacts of climate change on water availability in the Karnali River Basin of Nepal Himalaya. Environmental Research, 2020, 185, 109430.	3.7	55
3572	Evaluating the Effect of Transpiration in Hydrologic Model Simulation through Parameter Calibration. Journal of Hydrologic Engineering - ASCE, 2020, 25, 04020007.	0.8	4
3573	The impacts of climate variability and human activities on streamflow change at basin scale. Water Science and Technology: Water Supply, 2020, 20, 889-899.	1.0	8
3574	Quantifying Landscape Nutrient Inputs With Spatially Explicit Nutrient Source Estimate Maps. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005134.	1.3	20
3575	Climate Change Impacts on Extreme Flows Under IPCC RCP Scenarios in the Mountainous Kaidu Watershed, Tarim River Basin. Sustainability, 2020, 12, 2090.	1.6	17
3576	Evaluation of stream flow under land use land cover change: A case study of Chemoga Catchment, Abay Basin, Ethiopia. African Journal of Environmental Science and Technology, 2020, 14, 26-39.	0.2	4
3577	Sediment modeling of a large-scale basin supported by remote sensing and in-situ observations. Catena, 2020, 190, 104535.	2.2	8
3578	Development and accuracy assessment of a 12-digit hydrologic unit code based real-time climate database for hydrologic models in the US. Journal of Hydrology, 2020, 586, 124817.	2.3	4
3579	A Review of Modeled Water Use Efficiency of Highly Productive Perennial Grasses Useful for Bioenergy. Agronomy, 2020, 10, 328.	1.3	3
3580	Hydrological Alteration Index as an Indicator of the Calibration Complexity of Water Quantity and Quality Modeling in the Context of Global Change. Water (Switzerland), 2020, 12, 115.	1.2	13
3581	Optimization and Application of Snow Melting Modules in SWAT Model for the Alpine Regions of Northern China. Water (Switzerland), 2020, 12, 636.	1.2	13
3582	Coupling SWAT Model and CMB Method for Modeling of High-Permeability Bedrock Basins Receiving Interbasin Groundwater Flow. Water (Switzerland), 2020, 12, 657.	1.2	24
3583	Multi-site watershed model calibration for evaluating best management practice effectiveness in reducing fecal pollution. Human and Ecological Risk Assessment (HERA), 2020, 26, 2690-2715.	1.7	3
3584	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
3585	The impact of land use and climate change on surface runoff and groundwater in Cimanuk watershed, Indonesia. Limnology, 2020, 21, 487-498.	0.8	16
3586	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
3587	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

#	Article	IF	CITATIONS
3588	Trade-Offs Analysis of Ecosystem Services for the Grain for Green Program: Informing Reforestation Decisions in a Mountainous Headwater Region, Northeast China. Sustainability, 2020, 12, 4762.	1.6	7
3589	Watershed Hydrological Response to Combined Land Use/Land Cover and Climate Change in Highland Ethiopia: Finchaa Catchment. Water (Switzerland), 2020, 12, 1801.	1.2	88
3590	A Probabilistic Approach for Characterization of Sub-Annual Socioeconomic Drought Intensity-Duration-Frequency (IDF) Relationships in a Changing Environment. Water (Switzerland), 2020, 12, 1522.	1.2	22
3591	Assessment of Ecological and Hydro-Geomorphological Alterations under Climate Change Using SWAT and IAHRIS in the Eo River in Northern Spain. Water (Switzerland), 2020, 12, 1745.	1.2	16
3592	A recursive algorithm for calculating the longest flow path and its iterative implementation. Environmental Modelling and Software, 2020, 131, 104774.	1.9	3
3593	Modeling sediment diagenesis processes on riverbed to better quantify aquatic carbon fluxes and stocks in a small watershed of the Mid-Atlantic region. Carbon Balance and Management, 2020, 15, 13.	1.4	12
3594	Bayesian Model Averaging With Fixed and Flexible Priors: Theory, Concepts, and Calibration Experiments for Rainfallâ€Runoff Modeling. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001924.	1.3	17
3595	Differences in soil water content and movement drivers of runoff under climate variations in a high-altitude catchment. Journal of Hydrology, 2020, 587, 125024.	2.3	11
3596	Multimodel Ensemble Projection of Hydro-climatic Extremes for Climate Change Impact Assessment on Water Resources. Water Resources Management, 2020, 34, 3019-3035.	1.9	19
3597	Assessments of Impacts of Climate and Forest Change on Water Resources Using SWAT Model in a Subboreal Watershed in Northern Da Hinggan Mountains. Water (Switzerland), 2020, 12, 1565.	1.2	17
3598	Groundwater Potential Mapping Using SWAT and GIS-Based Multi-Criteria Decision Analysis. KSCE Journal of Civil Engineering, 2020, 24, 2546-2559.	0.9	13
3599	A coupled hydrologic-machine learning modelling framework to support hydrologic modelling in river basins under Interbasin Water Transfer regimes. Environmental Modelling and Software, 2020, 131, 104779.	1.9	25
3600	Attribution analysis of climatic and multiple anthropogenic causes of runoff change in the Loess Plateauâ€"A caseâ€study of the Jing River Basin. Land Degradation and Development, 2020, 31, 1622-1640.	1.8	21
3601	Land-use change and impacts. , 2020, , 257-296.		1
3602	Watershed scale evaluation of an improved SWAT auto-irrigation function. Environmental Modelling and Software, 2020, 131, 104789.	1.9	12
3603	Evaluating the Applicability of Drainage Routing Schemes for Paddy Fields. Journal of Irrigation and Drainage Engineering - ASCE, 2020, 146, 04020027.	0.6	2
3604	Prediction of runoff within Maharlu basin for future 60Âyears using RCP scenarios. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
3605	Self-organizing map of soil properties in the context of hydrological modeling. Applied Mathematical Modelling, 2020, 88, 175-189.	2.2	10

#	Article	IF	CITATIONS
3606	A comparative analysis of the application of water quality exemptions in the European Union: The case of nitrogen. Science of the Total Environment, 2020, 739, 139891.	3.9	7
3607	Comparison of technical and systems-based approaches to managing pesticide contamination in surface water catchments. Journal of Environmental Management, 2020, 260, 110027.	3.8	9
3608	DSSAT-MODFLOW: A new modeling framework for exploring groundwater conservation strategies in irrigated areas. Agricultural Water Management, 2020, 232, 106033.	2.4	31
3609	Potential impacts of land use/cover and climate changes on ecologically relevant flows. Journal of Hydrology, 2020, 584, 124654.	2.3	52
3610	Estimation of the uncertainty of hydrologic predictions in a karstic Mediterranean watershed. Science of the Total Environment, 2020, 717, 137131.	3.9	22
3611	OPTIMIZED IRRIGATION SCHEDULING USING SWAT FOR IMPROVED CROP WATER PRODUCTIVITY. Irrigation and Drainage, 2020, 69, 387-397.	0.8	5
3612	Basin-wide water accounting based on modified SWAT model and WA+ framework for better policy making. Journal of Hydrology, 2020, 585, 124762.	2.3	29
3613	Assessing parameter identifiability for multiple performance criteria to constrain model parameters. Hydrological Sciences Journal, 2020, 65, 1158-1172.	1.2	15
3614	Source Apportionment of Nutrient Loads to a Mediterranean River and Potential Mitigation Measures. Water (Switzerland), 2020, 12, 577.	1.2	8
3615	Examine the impact of land use and land cover changes on peak discharges of a watershed in the midwestern United States using the HEC-HMS model. Papers in Applied Geography, 2020, 6, 101-118.	0.8	21
3616	Water availability for irrigation areas of the Gandong river in Magetan, East Java, Indonesia. IOP Conference Series: Earth and Environmental Science, 2020, 437, 012025.	0.2	0
3617	Changes in Land Use in the Lombok River Basin and Their Impacts on River Basin Management Sustainability. IOP Conference Series: Earth and Environmental Science, 2020, 437, 012036.	0.2	3
3618	Strategies to enhance the reliability of flow quantile prediction in the gauged and ungauged basins. River Research and Applications, 2020, 36, 724-734.	0.7	4
3619	Comparison of short-term streamflow forecasting using stochastic time series, neural networks, process-based, and Bayesian models. Environmental Modelling and Software, 2020, 126, 104669.	1.9	67
3620	Uncertainty-based metal budget assessment at the watershed scale: Implications for environmental management practices. Journal of Hydrology, 2020, 584, 124699.	2.3	12
3621	Analyzing the Effects of Groundwater Pumping on an Urban Streamâ€Aquifer System. Journal of the American Water Resources Association, 2020, 56, 310-322.	1.0	14
3622	Impacts of Climate Change on the Water Availability, Seasonality and Extremes in the Upper Indus Basin (UIB). Sustainability, 2020, 12, 1283.	1.6	33
3623	Impacts of Climate and Land-Use Changes on the Hydrological Processes in the Amur River Basin. Water (Switzerland), 2020, 12, 76.	1.2	10

#	Article	IF	CITATIONS
3624	Evaluating the Risks of Groundwater Extraction in an Agricultural Landscape under Different Climate Projections. Water (Switzerland), 2020, 12, 400.	1.2	11
3625	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
3626	Large-eddy simulation of flash flood propagation and sediment transport in a dry-bed desert stream. International Journal of Sediment Research, 2020, 35, 576-586.	1.8	11
3627	Review of Watershed-Scale Water Quality and Nonpoint Source Pollution Models. Geosciences (Switzerland), 2020, 10, 25.	1.0	72
3628	Hydrological impacts of climate change on a data-scarce Greek catchment. Theoretical and Applied Climatology, 2020, 140, 1017-1030.	1.3	6
3629	Considering atmospheric N2O dynamic in SWAT model avoids the overestimation of N2O emissions in river networks. Water Research, 2020, 174, 115624.	5.3	15
3630	Climate model variability leads to uncertain predictions of the future abundance of stream macroinvertebrates. Scientific Reports, 2020, 10, 2520.	1.6	5
3631	Flood Risk Reduction from Agricultural Best Management Practices. Journal of the American Water Resources Association, 2020, 56, 161-179.	1.0	37
3632	Valuing water quality benefits from adopting best management practices: A spatial approach. Journal of Environmental Quality, 2020, 49, 582-592.	1.0	8
3633	Evaluation of corrected APHRODITE estimates for hydrological simulation in the Yarlung Tsangpo–Brahmaputra River Basin. International Journal of Climatology, 2020, 40, 4158-4170.	1.5	14
3634	A GIS-based model for simulating the hydrological effects of land use changes on karst systems – The integration of the LuKARS model into FREEWAT. Environmental Modelling and Software, 2020, 127, 104682.	1.9	14
3635	Analysis of alternative climate datasets and evapotranspiration methods for the Upper Mississippi River Basin using SWAT within HAWQS. Science of the Total Environment, 2020, 720, 137562.	3.9	27
3636	Comparison and Evaluation of Gridded Precipitation Datasets in a Kansas Agricultural Watershed Using SWAT. Journal of the American Water Resources Association, 2020, 56, 486-506.	1.0	17
3637	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.	1.0	5
3638	Challenges Calibrating Hydrology for Groundwater-Fed Wetlands: a Headwater Wetland Case Study. Environmental Modeling and Assessment, 2020, 25, 355-371.	1.2	4
3639	An Integrated Hydrologic and Hydraulic Flood Modeling Study for a Medium-Sized Ungauged Urban Catchment Area: A Case Study of Tiruchirappalli City Using HEC-HMS and HEC-RAS. Journal of the Institution of Engineers (India): Series A, 2020, 101, 381-398.	0.6	18
3640	Comparison of the SWAT and InVEST models to determine hydrological ecosystem service spatial patterns, priorities and trade-offs in a complex basin. Ecological Indicators, 2020, 112, 106089.	2.6	135
3641	Predicting iron transport in boreal agriculture-dominated catchments under a changing climate. Science of the Total Environment, 2020, 714, 136743.	3.9	6

#	Article	IF	CITATIONS
3642	Soil Vulnerability Index assessment as a tool to explain annual constituent loads in a nested watershed. Journal of Soils and Water Conservation, 2020, 75, 42-52.	0.8	9
3643	Using SWAT to Evaluate Streamflow and Lake Sediment Loading in the Xinjiang River Basin with Limited Data. Water (Switzerland), 2020, 12, 39.	1.2	18
3644	Effect of Land Use/Cover Change on the Hydrological Response of a Southern Center Basin of Chile. Water (Switzerland), 2020, 12, 302.	1.2	25
3645	Long-term human-generated alterations of Tagus River: Effects of hydrological regulation and land-use changes in distinct river zones. Catena, 2020, 188, 104466.	2.2	29
3646	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
3647	When is a hydrological model sufficiently calibrated to depict flow preferences of riverine species?. Ecohydrology, 2020, 13, e2193.	1.1	7
3648	Review of soil phosphorus routines in ecosystem models. Environmental Modelling and Software, 2020, 126, 104639.	1.9	8
3649	Cascaded Hydropower Operation Chart Optimization Balancing Overall Ecological Benefits and Ecological Conservation in Hydrological Extremes Under Climate Change. Water Resources Management, 2020, 34, 1231-1246.	1.9	12
3650	Effect of rainfall station density, distribution and missing values on SWAT outputs in tropical region. Journal of Hydrology, 2020, 584, 124660.	2.3	32
3651	Evaluating SWAT Model Performance for Runoff, Percolation, and Sediment Loss Estimation in Low-Gradient Watersheds of the Atlantic Coastal Plain. Hydrology, 2020, 7, 21.	1.3	24
3652	Hydrological drought evolution with a nonlinear joint index in regions with significant changes in underlying surface. Journal of Hydrology, 2020, 585, 124794.	2.3	16
3653	Groundwater sustainability: a review of the interactions between science and policy. Environmental Research Letters, 2020, 15, 093004.	2.2	85
3654	Investigate the Applicability of CMADS and CFSR Reanalysis in Northeast China. Water (Switzerland), 2020, 12, 996.	1.2	19
3655	Modelling spatiotemporal patterns of water quality and its impacts on aquatic ecosystem in the cold climate region of Alberta, Canada. Journal of Hydrology, 2020, 587, 124952.	2.3	30
3656	Diffuse nitrogen pollution in a forest-dominated watershed: Source, transport and removal. Journal of Hydrology, 2020, 585, 124833.	2.3	17
3657	Impacts of Climate and Human Activities on Water Resources and Quality., 2020,,.		6
3658	Model-based reconstruction and projections of soil moisture anomalies and crop losses in Poland. Theoretical and Applied Climatology, 2020, 140, 691-708.	1.3	18
3659	Identifying regionalized co-variate driving factors to assess spatial distributions of saturated soil hydraulic conductivity using multivariate and state-space analyses. Catena, 2020, 191, 104583.	2.2	16

#	Article	IF	Citations
3660	Modeling of evapotranspiration changes with forest management practices: A genealogical review. Journal of Hydrology, 2020, 585, 124835.	2.3	23
3661	Impact of Precipitation Pre-Processing Methods on Hydrological Model Performance using High-Resolution Gridded Dataset. Water (Switzerland), 2020, 12, 840.	1.2	10
3662	Towards quick parameter estimation of hydrological models with large number of computational units. Journal of Hydrology, 2020, 587, 124983.	2.3	9
3663	Assessment of Urban Streamflow in Historical Wet and Dry Years Using SWAT across Northwestern Delaware. Environmental Processes, 2020, 7, 597-614.	1.7	5
3664	Improving Hydrological Models With the Assimilation of Crowdsourced Data. Water Resources Research, 2020, 56, e2019WR026325.	1.7	19
3665	Assessment of climate change impacts on streamflow through hydrological model using SWAT model: a case study of Afghanistan. Modeling Earth Systems and Environment, 2020, 6, 1427-1437.	1.9	41
3666	Evaluating SWAT model performance, considering different soils data input, to quantify actual and future runoff susceptibility in a highly urbanized basin. Journal of Environmental Management, 2020, 266, 110625.	3.8	52
3667	An approach to runoff modelling in small karst watersheds using the SWAT model. Arabian Journal of Geosciences, 2020, $13,1.$	0.6	15
3668	Runoff Induced Soil Erosion and its Impact on the Quality of Water for Upper-Patiala-Ki-Rao Catchment Lying on Shivalik Hills. Journal of the Geological Society of India, 2020, 95, 385-392.	0.5	3
3669	Integrating groundwater irrigation into hydrological simulation of India: Case of improving model representation of anthropogenic water use impact using GRACE. Journal of Hydrology: Regional Studies, 2020, 29, 100681.	1.0	15
3670	Evaluating a parsimonious watershed model versus SWAT to estimate streamflow, soil loss and river contamination in two case studies in Tietê river basin, São Paulo, Brazil. Journal of Hydrology: Regional Studies, 2020, 29, 100685.	1.0	11
3671	Flexible watershed simulation with the Raven hydrological modelling framework. Environmental Modelling and Software, 2020, 129, 104728.	1.9	62
3672	Effective flood forecasting at higher lead times through hybrid modelling framework. Journal of Hydrology, 2020, 587, 124945.	2.3	23
3673	A framework for evaluating county-level non-point source pollution: Joint use of monitoring and model assessment. Science of the Total Environment, 2020, 722, 137956.	3.9	11
3674	Sediment mobilization study on Cretaceous, Tertiary and Quaternary lithological formations of an external Rif catchment, Morocco. Hydrological Sciences Journal, 2020, 65, 1568-1582.	1.2	12
3675	Quantifying the Sensitivity of NDVI-Based C Factor Estimation and Potential Soil Erosion Prediction using Spaceborne Earth Observation Data. Remote Sensing, 2020, 12, 1136.	1.8	38
3676	Impacts of land-use changes on the groundwater recharge in the Ho Chi Minh city, Vietnam. Environmental Research, 2020, 185, 109440.	3.7	52
3677	Characterizing fast herbicide transport in a small agricultural catchment with conceptual models. Journal of Hydrology, 2020, 586, 124812.	2.3	13

#	Article	IF	CITATIONS
3678	Impact assessment of climate change on hydro-climatic conditions of arid and semi-arid watersheds (case study: Zoshk-Abardeh watershed, Iran). Journal of Water and Climate Change, 2021, 12, 580-595.	1.2	3
3679	A hydrological modelling-based approach for vulnerable area identification under changing climate scenarios. Journal of Water and Climate Change, 2021, 12, 433-452.	1.2	17
3680	Hydrological modeling as a tool for water resources management of the data-scarce Brahmaputra basin. Journal of Water and Climate Change, 2021, 12, 152-165.	1.2	18
3681	Modelling potential impact of climate change and uncertainty on streamflow projections: a case study. Journal of Water and Climate Change, 2021, 12, 384-400.	1.2	29
3682	Development of a national-scale framework to characterise transfers of N, P and <i>Escherichia coli</i> from land to water. New Zealand Journal of Agricultural Research, 2021, 64, 286-313.	0.9	5
3683	SWATLitho: A hydrogeochemical model to estimate daily geochemical loads at the catchment scale. Environmental Modelling and Software, 2021, 135, 104893.	1.9	2
3684	Towards a more consistent eco-hydrological modelling through multi-objective calibration: a case study in the Andean Vilcanota River basin, Peru. Hydrological Sciences Journal, 2021, 66, 59-74.	1.2	22
3685	Spatial optimization of watershed best management practice scenarios based on boundary-adaptive configuration units. Progress in Physical Geography, 2021, 45, 207-227.	1.4	5
3686	Adapting hydropower production to climate change: A case study of Kulekhani Hydropower Project in Nepal. Journal of Cleaner Production, 2021, 279, 123483.	4.6	38
3687	Spatial interpolation of daily precipitation based on modified ADW method for gauge-scarce mountainous regions: A case study in the Shiyang River Basin. Atmospheric Research, 2021, 247, 105167.	1.8	17
3688	Climate change impact assessment on water resources under <scp>RCP</scp> scenarios: A case study in Mundaú River Basin, Northeastern Brazil. International Journal of Climatology, 2021, 41, E1045.	1.5	26
3689	A <scp>nearâ€term</scp> drought assessment using hydrological and climate forecasting in the Mekong River Basin. International Journal of Climatology, 2021, 41, E2497.	1.5	19
3690	A comparative evaluation of the continuous and event-based modelling approaches for identifying critical source areas for sediment and phosphorus losses. Journal of Environmental Management, 2021, 277, 111427.	3.8	21
3691	Comparison of Evapotranspiration and Biomass Simulation in Winter Wheat under Conventional and Conservation Tillage Systems using APEX Model. Ecohydrology and Hydrobiology, 2021, 21, 55-66.	1.0	7
3692	Assessing the potential of riparian reforestation to facilitate watershed climate adaptation. Journal of Environmental Management, 2021, 277, 111431.	3.8	10
3693	Runoff formation in a catchment with Peat bog and Podzol hillslopes. Journal of Hydrology, 2021, 593, 125633.	2.3	2
3694	Relative impacts of climate change and land cover change on streamflow using SWAT in the Clackamas River Watershed, USA. Journal of Water and Climate Change, 2021, 12, 1454-1470.	1.2	9
3695	How effective are River Basin Management Plans in reaching the nutrient load reduction targets?. Ambio, 2021, 50, 706-722.	2.8	16

#	Article	IF	CITATIONS
3696	Responses of hydropower generation and sustainability to changes in reservoir policy, climate and land use under uncertainty: A case study of Xinanjiang Reservoir in China. Journal of Cleaner Production, 2021, 281, 124609.	4.6	23
3697	Soil salinization management for sustainable development: A review. Journal of Environmental Management, 2021, 277, 111383.	3.8	169
3698	Designing and implementing an SWMM-based web service framework to provide decision support for real-time urban stormwater management. Environmental Modelling and Software, 2021, 135, 104887.	1.9	33
3699	Climate change impacts on water resources in the Upper Blue Nile (Abay) River Basin, Ethiopia. Journal of Hydrology, 2021, 592, 125614.	2.3	79
3700	Nitrogen in Life Cycle Assessment (LCA) of agricultural crop production systems: Comparative analysis of regionalization approaches. Science of the Total Environment, 2021, 763, 143009.	3.9	21
3701	Threshold of watershed partition in SWAT based on separating hillslope and channel sediment simulations. Ecological Indicators, 2021, 121, 107111.	2.6	3
3702	Impacts of land-use conversions on the water cycle in a typical watershed in the southern Chinese Loess Plateau. Journal of Hydrology, 2021, 593, 125741.	2.3	52
3703	Multi-site calibration of hydrological model and assessment of water balance in a semi-arid river basin of India. Quaternary International, 2021, 571, 136-149.	0.7	21
3704	Toward Discharge Estimation for Water Resources Management with a Semidistributed Model and Local Ensemble Kalman Filter Data Assimilation. Journal of Hydrologic Engineering - ASCE, 2021, 26, 05020047.	0.8	1
3705	A dynamic land use/land cover input helps in picturing the Sahelian paradox: Assessing variability and attribution of changes in surface runoff in a Sahelian watershed. Science of the Total Environment, 2021, 757, 143792.	3.9	67
3706	The USDAâ€ARS Experimental Watershed Network: Evolution, Lessons Learned, Societal Benefits, and Moving Forward. Water Resources Research, 2021, 57, e2019WR026473.	1.7	11
3707	Assessing land use change impact on stream discharge and stream water quality in an agricultural watershed. Catena, 2021, 198, 105055.	2.2	38
3708	How reliable are the evapotranspiration estimates by Soil and Water Assessment Tool (SWAT) and Variable Infiltration Capacity (VIC) models for catchment-scale drought assessment and irrigation planning?. Journal of Hydrology, 2021, 592, 125838.	2.3	45
3709	Introducing a new post-processing tool for the SWAT+ model to evaluate environmental flows. Environmental Modelling and Software, 2021, 136, 104944.	1.9	16
3710	Impact of climate change on the hydrology of a semi-arid river basin of India under hypothetical and projected climate change scenarios. Journal of Water and Climate Change, 2021, 12, 969-996.	1.2	9
3711	Identification of spatially distributed parameters of hydrological models using the dimension-adaptive key grid calibration strategy. Journal of Hydrology, 2021, 598, 125772.	2.3	13
3712	Introducing QWET – A QGIS-plugin for application, evaluation and experimentation with the WET model. Environmental Modelling and Software, 2021, 135, 104886.	1.9	15
3713	Assessment of the cascade of uncertainty in future snow depth projections across watersheds of mountainous, foothill, and plain areas in northern latitudes. Journal of Hydrology, 2021, 598, 125735.	2.3	12

#	Article	IF	CITATIONS
3714	Rapid assessment of climate risks for irrigated agriculture in two river basins in the Aral Sea Basin. Agricultural Water Management, 2021, 243, 106381.	2.4	11
3715	Examining the impact of rangeland condition on water conservation by using an integrated modelling approach. Land Degradation and Development, 2021, 32, 3711-3719.	1.8	7
3716	Identifying climate change impacts on surface water supply in the southern Central Valley, California. Science of the Total Environment, 2021, 759, 143429.	3.9	25
3717	Calculation framework for agricultural irrigation water consumption in multi-source irrigation systems. Agricultural Water Management, 2021, 244, 106603.	2.4	7
3718	Mapping development potential of dry-season small-scale irrigation in Sub-Saharan African countries under joint biophysical and economic constraints - An agent-based modeling approach with an application to Ethiopia. Agricultural Systems, 2021, 186, 102987.	3.2	18
3719	Scenario analysis for the sustainable development of agricultural water in the Wuyuer River basin based on the WEP model with a reservoir and diversion engineering module. Science of the Total Environment, 2021, 758, 143668.	3.9	10
3720	Storm event impacts on in-stream nitrate concentration and discharge dynamics: A comparison of high resolution in-situ measured data with model simulations. Science of the Total Environment, 2021, 755, 143406.	3.9	8
3721	Prioritization of critical source areas for soil and water conservation by using a oneâ€atâ€aâ€time removal approach in the upper Huaihe River basin. Land Degradation and Development, 2021, 32, 1513-1524.	1.8	7
3722	A modelling-based assessment of suspended sediment transport related to new damming in the Red River basin from 2000 to 2013. Catena, 2021, 197, 104958.	2.2	19
3723	Large-Scale hydrological modelling of flow and hydropower production, in a Brazilian watershed. Ecohydrology and Hydrobiology, 2021, 21, 23-35.	1.0	9
3724	Simulating the effects of agricultural production practices on water conservation and crop yields using an improved SWAT model in the Texas High Plains, USA. Agricultural Water Management, 2021, 244, 106574.	2.4	23
3725	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
3726	Climate change impacts on the water and groundwater resources of the Lake Tana Basin, Ethiopia. Journal of Water and Climate Change, 2021, 12, 1544-1563.	1.2	22
3727	Modeling the sources and retention of phosphorus nutrient in a coastal river system in China using SWAT. Journal of Environmental Management, 2021, 278, 111556.	3.8	22
3728	Whether land greening in different geomorphic units are beneficial to water yield in the Yellow River Basin?. Ecological Indicators, 2021, 120, 106926.	2.6	35
3729	Usage of long-term river discharge data in water balance model for assessment of trends in basin storages. Modeling Earth Systems and Environment, 2021, 7, 953-966.	1.9	4
3730	ARPEGES: A Bayesian Belief Network to Assess the Risk of Pesticide Contamination for the River Network of France. Integrated Environmental Assessment and Management, 2021, 17, 188-201.	1.6	12
3731	Coupled application of R and WetSpa models for assessment of climate change impact on streamflow of Werie Catchment, Tigray, Ethiopia. Journal of Water and Climate Change, 2021, 12, 916-936.	1.2	7

#	Article	IF	CITATIONS
3732	Modeling the effects of historical and future land use/land coverÂchange dynamics on the hydrological response of Ashi watershed, northeastern China. Environment, Development and Sustainability, 2021, 23, 7883-7912.	2.7	12
3733	Performance evaluation of potential inland flood management options through a three-way linked hydrodynamic modelling framework for a coastal urban watershed. Hydrology Research, 2021, 52, 61-77.	1.1	10
3734	A futuristic survey of the effects of LU/LC change on stream flow by CA–Markov model: a case of the Nekarood watershed, Iran. Geocarto International, 2021, 36, 1100-1116.	1.7	12
3735	Hydrological response to land use and land cover changes in a tropical West African catchment (Couffo, Benin). AIMS Geosciences, 2021, 7, 338-354.	0.4	0
3736	Soil data definition for hydrologic response unit analysis in SWAT model of Langkawi Island, Malaysia. Eurasian Journal of Soil Science, 2021, 10, 69-76.	0.2	0
3737	SWAT and HBV models' response to streamflow estimation in the upper Blue Nile Basin, Ethiopia. Water-Energy Nexus, 2021, 4, 41-53.	1.7	20
3738	Water Use and Climate Stressors in a Multiuser River Basin Setting: Who Benefits from Adaptation?. Water Resources Management, 2021, 35, 897-915.	1.9	6
3739	An Agent-Based Co-modeling Approach to Simulate the Evacuation of a Population in the Context of a Realistic Flooding Event: A Case Study in Hanoi (Vietnam). Springer Proceedings in Mathematics and Statistics, 2021, , 79-108.	0.1	2
3740	Spatio-temporal analysis of sediment yield with a physically based model for a data-scarce headwater in Konya Closed Basin, Turkey. Water Science and Technology: Water Supply, 2021, 21, 1752-1763.	1.0	5
3741	Measuring soil erosion and sediment connectivity at distinct scales. , 2021, , 287-326.		2
3742	Assessing impact of urbanisation on surface runoff using vegetation-impervious surface-soil (V-I-S) fraction and NRCS curve number (CN) model. Modeling Earth Systems and Environment, 2022, 8, 309-322.	1.9	7
3743	An ET-Based Two-Phase Method for the Calibration and Application of Distributed Hydrological Models. Water Resources Management, 2021, 35, 1065-1077.	1.9	8
3744	Comparison of sediment rating curves and sediment yield in subbasins of the Itacaiúnas River Watershed, Eastern Amazon. Revista Brasileira De Recursos Hidricos, 0, 26, .	0.5	4
3745	Choosing an appropriate water quality model—a review. Environmental Monitoring and Assessment, 2021, 193, 38.	1.3	21
3746	The feasibility of inter-basin water transfers to manage climate risk in England. Climate Risk Management, 2021, 33, 100322.	1.6	3
3747	Understanding Effects of Climate Change and Eutrophication on Fish Habitat in Glacial Lakes of the Midwest States and Management Strategies. , 2021 , , 1 - 70 .		0
3748	Study on the Relationship between Snowmelt Runoff for Different Latitudes and Vegetation Growth Based on an Improved SWAT Model in Xinjiang, China. Sustainability, 2021, 13, 1189.	1.6	5
3749	Introduction and Background of Rainfall Erosivity Processes and Soil Erosion. SpringerBriefs in Environmental Science, 2021, , 1-7.	0.3	2

#	Article	IF	Citations
3750	Calibration and Uncertainty Analysis for Modelling Runoff in the Tambo River Basin, Peru, Using Sequential Uncertainty Fitting Ver-2 (SUFI-2) Algorithm. Air, Soil and Water Research, 2021, 14, 117862212098870.	1.2	16
3751	Checking the Plausibility of Modelled Nitrate Concentrations in the Leachate on Federal State Scale in Germany. Water (Switzerland), 2021, 13, 226.	1.2	14
3753	Hydrologic Analysis of an Intensively Irrigated Area in Southern Peru Using a Crop-Field Scale Framework. Water (Switzerland), 2021, 13, 318.	1.2	12
3754	Hydrological Modelling of Small Gauged and Ungauged Mountainous Watersheds Using SWAT—A Case of Western Ghats in India. Journal of Water Resource and Protection, 2021, 13, 455-477.	0.3	4
3755	Analyzing Effects of Two Different Land Use Datasets on Hydrological Simulations by Using SWAT Model. International Journal of Environment and Geoinformatics, 2021, 8, 172-185.	0.5	7
3756	Modeling the impacts of land use and land cover dynamics on hydrological processes of the Keleta watershed, Ethiopia. Sustainable Environment, 2021, 7, .	1.2	14
3757	Impact of Land Cover/Use Dynamics on Watershed Flow in Snoqualmie Watershed, King County, WA. E3S Web of Conferences, 2021, 258, 03019.	0.2	1
3758	Impact of Land Use–Land Cover Changes on the Streamflow of the Kolab River Basin Using SWAT Model. Water Science and Technology Library, 2021, , 319-331.	0.2	0
3759	Development of global soil erosion research at the watershed scale: a bibliometric analysis of the past decade. Environmental Science and Pollution Research, 2021, 28, 12232-12244.	2.7	7
3760	Deforestation and its impact on sediment flux and channel morphodynamics of the Brahmani River Basin, India., 2021,, 377-415.		10
3761	Assessing of Soil Erosion Risk Through Geoinformation Sciences and Remote Sensing—A Review. Earth and Environmental Sciences Library, 2021, , 377-430.	0.3	1
3762	Integrating Daily CO2 Concentrations in SWAT-VSA to Examine Climate Change Impacts on Hydrology in a Karst Watershed. Transactions of the ASABE, 2021, 64, 1303-1318.	1.1	1
3763	The Development Trend and Research Frontiers of Distributed Hydrological Modelsâ€"Visual Bibliometric Analysis Based on Citespace. Water (Switzerland), 2021, 13, 174.	1.2	13
3764	Recent progress in coupled surface–ground water models and their potential in watershed hydro-biogeochemical studies: A review. Watershed Ecology and the Environment, 2021, 3, 17-29.	0.6	16
3765	Applicability of the InVEST Model for Estimating Water Yield in Upper Ganga Basin. Society of Earth Scientists Series, 2021, , 219-231.	0.2	1
3766	Calibration of distributed hydrological models considering the heterogeneity of the parameters across the basin: a case study of SWAT model. Environmental Earth Sciences, 2021, 80, 1.	1.3	7
3767	Regional differences of water regulation services of terrestrial ecosystem in the Tibetan Plateau: Insights from multiple land covers. Journal of Cleaner Production, 2021, 283, 125216.	4.6	6
3768	Numerical Investigation of Dissolved Oxygen Transportation through a Coupled SWE and Streeter–Phelps Model. Mathematical Problems in Engineering, 2021, 2021, 1-20.	0.6	5

#	Article	IF	CITATIONS
3769	Assessing climate change impacts on streamflow and sediment load in the upstream of the <scp>Mekong River</scp> basin. International Journal of Climatology, 2021, 41, 3391-3410.	1.5	11
3770	Optimal water allocation of the Zayandeh-Roud Reservoir in Iran based on inflow projection under climate change scenarios. Journal of Water and Climate Change, 2021, 12, 2068-2081.	1.2	7
3771	Exploring future global change-induced water imbalances in the Central Rift Valley Basin, Ethiopia. Climatic Change, 2021, 164, 1.	1.7	7
3772	Nutrient Load Mitigation with Wintertime Cover as Estimated by the INCA Model. Water (Switzerland), 2021, 13, 450.	1.2	5
3773	Framework to Study the Effects of Climate Change on Vulnerability of Ecosystems and Societies: Case Study of Nitrates in Drinking Water in Southern Finland. Water (Switzerland), 2021, 13, 472.	1.2	3
3774	Modelling of the Discharge Response to Climate Change under RCP8.5 Scenario in the Alata River Basin (Mersin, SE Turkey). Water (Switzerland), 2021, 13, 483.	1.2	12
3775	Evaluation of Rainfall Erosivity Factor Estimation Using Machine and Deep Learning Models. Water (Switzerland), 2021, 13, 382.	1.2	17
3776	Modelling Watershed and River Basin Processes in Cold Climate Regions: A Review. Water (Switzerland), 2021, 13, 518.	1.2	11
3777	A pseudo-reservoir concept in SWAT model for the simulation of an alluvial floodplain in a complex tropical river system. Journal of Hydrology: Regional Studies, 2021, 33, 100770.	1.0	5
3778	The Impacts of Land-Use Input Conditions on Flow and Sediment Discharge in the Dakbla Watershed, Central Highlands of Vietnam. Water (Switzerland), 2021, 13, 627.	1.2	5
3779	Forested Riparian Buffers as Climate Adaptation Tools for Management of Riverine Flow and Thermal Regimes: A Case Study in the Meramec River Basin. Sustainability, 2021, 13, 1877.	1.6	9
3780	Choosing an arbitrary calibration period for hydrologic models: How much does it influence water balance simulations?. Hydrological Processes, 2021, 35, e14045.	1.1	20
3781	Reallocating crop rotation patterns improves water quality and maintains crop yield. Agricultural Systems, 2021, 187, 103015.	3.2	13
3782	Study on Hydrologic Effects of Land Use Change Using a Distributed Hydrologic Model in the Dynamic Land Use Mode. Water (Switzerland), 2021, 13, 447.	1.2	2
3783	A Spatial Non-Stationary Based Site Selection of Artificial Groundwater Recharge: a Case Study for Semi-Arid Regions. Water Resources Management, 2021, 35, 963-978.	1.9	11
3784	Comparison of Projection in Meteorological and Hydrological Droughts in the Cheongmicheon Watershed for RCP4.5 and SSP2-4.5. Sustainability, 2021, 13, 2066.	1.6	20
3785	Sediment Flows in South America Supported by Daily Hydrologicâ€Hydrodynamic Modeling. Water Resources Research, 2021, 57, e2020WR027884.	1.7	21
3786	Assessment of the best management practices under a semi-arid basin using SWAT model (case of M'dez) Tj I	ЕТ <mark>О</mark> 91 1 С	0.784314 rgB

#	Article	IF	CITATIONS
3787	Projection of Hydro-Climatic Extreme Events under Climate Change in Yom and Nan River Basins, Thailand. Water (Switzerland), 2021, 13, 665.	1.2	8
3788	Can-GLWS: Canadian Great Lakes Weather Service for the Soil and Water Assessment Tool (SWAT) modelling. Journal of Great Lakes Research, 2021, 47, 242-251.	0.8	6
3789	Effect of Watershed Delineation and Climate Datasets Density on Runoff Predictions for the Upper Mississippi River Basin Using SWAT within HAWQS. Water (Switzerland), 2021, 13, 422.	1.2	9
3790	Modeling nutrient release with compiled data in a typical Midwest watershed. Ecological Indicators, 2021, 121, 107213.	2.6	19
3792	Flood Inundation Assessment in the Low-Lying River Basin Considering Extreme Rainfall Impacts and Topographic Vulnerability. Water (Switzerland), 2021, 13, 896.	1,2	8
3793	Climate Change and Reservoir Impacts on 21st-Century Streamflow and Fluvial Sediment Loads in the Irrawaddy River, Myanmar. Frontiers in Earth Science, 2021, 9, .	0.8	13
3794	Hydrological simulation of the Jialing River Basin using the MIKE SHE model in changing climate. Journal of Water and Climate Change, 2021, 12, 2495-2514.	1.2	22
3795	Toward Sustainable Revegetation in the Loess Plateau Using Coupled Water and Carbon Management. Engineering, 2022, 15, 143-153.	3.2	15
3796	Assessing Future Impacts of Climate Change on Streamflow within the Alabama River Basin. Climate, 2021, 9, 55.	1.2	16
3797	Analyzing the Suitability of Remotely Sensed ET for Calibrating a Watershed Model of a Mediterranean Montane Forest. Remote Sensing, 2021, 13, 1258.	1.8	6
3798	G2DC-PL+: a gridded 2 km daily climate dataset for the union of the Polish territory and the Vistula and Odra basins. Earth System Science Data, 2021, 13, 1273-1288.	3.7	15
3799	Modeling Streamflow and Sediment Loads with a Photogrammetrically Derived UAS Digital Terrain Model: Empirical Evaluation from a Fluvial Aggregate Excavation Operation. Drones, 2021, 5, 20.	2.7	4
3800	Climate change variability assessment on water resources by SWAT model: A Review. WEENTECH Proceedings in Energy, 0, , 246-268.	0.0	0
3801	Incidence of Contamination of Water Resources in the Development of Livestock Activities in the Lower Area of the Coata River Watershed, Peru. Information Technology in Industry, 2021, 9, 581-594.	0.2	O
3802	Evaluating soil water routing approaches in watershedâ€scale, ecohydrologic modelling. Hydrological Processes, 2021, 35, e14034.	1.1	3
3803	A review of the current state of process-based and data-driven modelling: guidelines for Lake Erie managers and watershed modellers. Environmental Reviews, 2021, 29, 443-490.	2.1	18
3804	Coupling the probability of connectivity and RUSLE reveals pathways of sediment transport and soil loss rates for forest and reclaimed mine landscapes. Journal of Hydrology, 2021, 594, 125963.	2.3	16
3805	Quantitative Ascription of Sediment Discharge Changes of Two Highly Sediment-Loaded Tributaries of the Yellow River in China: The Importance of Selecting Rainfall Index and Timescale. Water (Switzerland), 2021, 13, 845.	1.2	O

#	Article	IF	CITATIONS
3806	Prediction of sediments discharge in watershed with two tank models. IOP Conference Series: Materials Science and Engineering, 2021, 1108, 012010.	0.3	0
3807	Hydrological responses to human-induced land use/land cover changes in the Gidabo River basin, Ethiopia. Hydrological Sciences Journal, 2021, 66, 640-655.	1.2	31
3808	Quantifying nitrate leaching to groundwater from a corn-peanut rotation under a variety of irrigation and nutrient management practices in the Suwannee River Basin, Florida. Agricultural Water Management, 2021, 246, 106634.	2.4	17
3809	Study of climate change effects on hydrological processes in Siminehroud and Zarrinehroud watersheds northwest of Iran. Earth Science Informatics, 2021, 14, 965-974.	1.6	5
3810	Long-term and event-scale sub-daily streamflow and sediment simulation in a small forested catchment. Hydrological Sciences Journal, 2021, 66, 862-873.	1.2	5
3811	Spatio-temporal trends of hydrological components: the case of the Tafna basin (northwestern) Tj ETQq1 1 0.784	-314 rgBT 1.2	/Qverlock 1
3812	Landscape scaling of different land-use types, geomorphological styles, vegetation regionalizations, and geographical zonings differs spatial erosion patterns in a large-scale ecological restoration watershed. Environmental Science and Pollution Research, 2021, 28, 38374-38392.	2.7	13
3813	Deep learning and boosting framework for piping erosion susceptibility modeling: spatial evaluation of agricultural areas in the semi-arid region. Geocarto International, 2022, 37, 4628-4654.	1.7	27
3814	Efecto del cambio climático en la calidad del agua de la Cuenca del Júcar. IngenierÃa Del Agua, 2021, 25, 75.	0.2	1
3815	Integrated Technology for Evaluation and Assessment of Multi-Scale Hydrological Systems in Managing Nonpoint Source Pollution. Water (Switzerland), 2021, 13, 842.	1.2	2
3816	Sediments discharge analysis using tank model for disaster mitigation. IOP Conference Series: Materials Science and Engineering, 2021, 1108, 012014.	0.3	0
3817	Construction of Critical Periods for Water Resources Management and Their Application in the FEW Nexus. Water (Switzerland), 2021, 13, 718.	1.2	3
3818	Impact of Seasonal Variation in Climate on Water Quality of Old Woman Creek Watershed Ohio Using SWAT. Climate, 2021, 9, 50.	1.2	11
3819	Land Potential Assessment of Napier Grass Plantation for Power Generation in Thailand Using SWAT Model. Model Validation and Parameter Calibration. Energies, 2021, 14, 1326.	1.6	13
3820	Evaluating watershed hydrological responses to climate changes at Hangar Watershed, Ethiopia. Journal of Water and Climate Change, 2021, 12, 2271-2287.	1.2	4
3821	Assessment of impact in groundwater levels and stream-aquifer interaction due to increased groundwater withdrawal in the lower Apalachicola-Chattahoochee-Flint (ACF) River Basin using MODFLOW. Journal of Hydrology: Regional Studies, 2021, 34, 100802.	1.0	5
3822	Hydrological modeling of catchment specific runoff-response to variable land-use/climatic conditions and trend-based hypothetical scenario generation: a study on a large river basin in Eastern India. Journal of the Indian Society of Remote Sensing, 2021, 49, 1895-1914.	1.2	3
3823	The Role of Ponds in Pesticide Dissipation at the Agricultural Catchment Scale: A Critical Review. Water (Switzerland), 2021, 13, 1202.	1.2	20

#	Article	IF	CITATIONS
3824	Modeling Approaches to Assess Soil Erosion by Water at the Field Scale with Special Emphasis on Heterogeneity of Soils and Crops. Land, 2021, 10, 422.	1.2	23
3825	Using the Soil and Water Assessment Tool to develop a LiDAR-based index of the erosion regulation ecosystem service. Journal of Hydrology, 2021, 595, 126009.	2.3	9
3826	Influence of Anthropogenic Loads on Surface Water Status: A Case Study in Lithuania. Sustainability, 2021, 13, 4341.	1.6	7
3827	The impacts of historical land-use on phosphorus movement in the Calhoun Critical Zone Observatory in the southeastern US Piedmont. Biogeochemistry, 2021, 154, 17-35.	1.7	3
3828	Modeling the multiâ€functionality of African savanna landscapes under global change. Land Degradation and Development, 2021, 32, 2077-2081.	1.8	10
3829	Analysis of the response of the Epit $ ilde{A}_i$ cio Pessoa reservoir (Brazilian semiarid region) to potential future drought, water transfer and LULC scenarios. Natural Hazards, 2021, 108, 1347-1371.	1.6	7
3830	Drought propagation and construction of a comprehensive drought index based on the Soil and Water Assessment Tool (SWAT) and empirical Kendall distribution function (& t; >K& t; i>& t; sub>C′& t; sub>): a case study for the Jinta River basin in northwestern China. Natural Hazards and Earth System Sciences, 2021, 21, 1323-1335.	1.5	13
3831	Aplicação do modelo SWAT como ferramenta para análises hidrossedimentológicas na bacia hidrográfica do Rio Mutum Paraná – RO. Geosul, 2021, 36, 434-453.	0.1	1
3832	A collaborated framework to improve hydrologic ecosystem services management with sparse data in a semi-arid basin. Hydrology Research, 2021, 52, 1159-1172.	1.1	9
3833	Factors That Influence Nitrous Oxide Emissions from Agricultural Soils as Well as Their Representation in Simulation Models: A Review. Agronomy, 2021, 11, 770.	1.3	98
3834	Impacts of land use and land cover changes on hydrological processes and sediment yield determined using the SWAT model. International Journal of Sediment Research, 2022, 37, 54-69.	1.8	47
3835	A participatory approach to assessing groundwater recharge under future climate and land-cover scenarios, Tutuila, American Samoa. Journal of Hydrology: Regional Studies, 2021, 34, 100785.	1.0	7
3836	Sediment Management for Reservoir Sustainability and Cost Implications Under Land Use/Land Cover Change Uncertainty. Water Resources Research, 2021, 57, e2020WR028351.	1.7	12
3837	Modeling projected impacts of climate and land use/land cover changes on hydrological responses in the Lake Tana Basin, upper Blue Nile River Basin, Ethiopia. Journal of Hydrology, 2021, 595, 125974.	2.3	61
3838	Modeling impacts of climate change on the water needs and growing cycle of crops in three Mediterranean basins. Agricultural Water Management, 2021, 249, 106797.	2.4	13
3839	Country-scale spatio-temporal monitoring of soil erosion in Iran using the G2 model. International Journal of Digital Earth, 0, , 1-21.	1.6	18
3840	Effect of Projected Land Use and Climate Change on Water Quality of Old Woman Creek Watershed, Ohio. Hydrology, 2021, 8, 62.	1.3	7
3841	Spatial optimization of soil and water conservation practices using coupled SWAT model and evolutionary algorithm. International Soil and Water Conservation Research, 2021, 9, 566-577.	3.0	27

#	Article	IF	Citations
3842	Fuzzy clustering and distributed model for streamflow estimation in ungauged watersheds. Scientific Reports, 2021, 11, 8243.	1.6	33
3843	Nexus Thinking at River Basin Scale: Food, Water and Welfare. Water (Switzerland), 2021, 13, 1000.	1.2	0
3844	Parameterization in hydrological models through clustering of the simulation time period and multi-objective optimization based calibration. Environmental Modelling and Software, 2021, 138, 104981.	1.9	4
3845	Influence of climate change on water partitioning in agricultural watersheds: Examples from Sweden. Agricultural Water Management, 2021, 249, 106766.	2.4	19
3846	Hydrological Process Simulation of Sluice-Controlled Rivers in the Plains Area of China Based on an Improved SWAT Model. Water Resources Management, 2021, 35, 1817-1835.	1.9	8
3847	Signatures of human intervention – or not? Downstream intensification of hydrological drought along a large Central Asian river: the individual roles of climate variability and land use change. Hydrology and Earth System Sciences, 2021, 25, 1943-1967.	1.9	19
3848	Agroecology-based soil erosion assessment for better conservation planning in Ethiopian river basins. Environmental Research, 2021, 195, 110786.	3.7	51
3849	WebGIS-based decision support system for soil erosion assessment in Legedadi watershed, Oromia Region, Ethiopia., 2023, 7, 97-114.		1
3850	Application of SWAT in Hydrological Simulation of Complex Mountainous River Basin (Part I: Model) Tj ETQq0 0 (O rgBT /Ov	erlock 10 Tf
3851	Decoding the dramatic hundred-year water level variations of a typical great lake in semi-arid region of northeastern Asia. Science of the Total Environment, 2021, 770, 145353.	3.9	16
3852	Evaluating Instream Restoration Effectiveness in Reducing Nitrogen Export from an Urban Catchment with a Dataâ€Model Approach. Journal of the American Water Resources Association, 2021, 57, 449-473.	1.0	6
3853	Integrating hydrological, landscape ecological, and economic assessment during hydropower exploitation in the upper Yangtze River. Science of the Total Environment, 2021, 767, 145496.	3.9	9
3854	Analysing the Impact of Climate Change on Hydrological Ecosystem Services in Laguna del Sauce (Uruguay) Using the SWAT Model and Remote Sensing Data. Remote Sensing, 2021, 13, 2014.	1.8	34
3855	lowa Urban FEWS: Integrating Social and Biophysical Models for Exploration of Urban Food, Energy, and Water Systems. Frontiers in Big Data, 2021, 4, 662186.	1.8	11
3856	Sediment yield prediction and prioritization of sub-watersheds in the Upper Subarnarekha basin (India) using SWAT. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	10
3857	Impacts of rapid urbanization on characteristics, sources and variation of fecal coliform at watershed scale. Journal of Environmental Management, 2021, 286, 112195.	3.8	17
3858	Quantifying the Contribution of Agricultural and Urban Non-Point Source Pollutant Loads in Watershed with Urban Agglomeration. Water (Switzerland), 2021, 13, 1385.	1.2	12
3859	Impacts of climate change on aquatic insects in temperate alpine regions: Complementary modeling approaches applied to Swiss rivers. Global Change Biology, 2021, 27, 3565-3581.	4.2	11

#	Article	IF	CITATIONS
3860	SHP Assessment for a Run-of-River (RoR) Scheme Using a Rectangular Mesh Sweeping Approach (MSA) Based on GIS. Energies, 2021, 14, 3095.	1.6	8
3861	Baseflow and transmission loss: A review. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1527.	2.8	22
3862	Ensemble modeling of watershedâ€scale hydrologic effects of shortâ€rotation woody crop production. Biofuels, Bioproducts and Biorefining, 2021, 15, 1345-1359.	1.9	2
3863	Integrating depression storages and their spatial distribution in watershed-scale hydrologic modeling. Advances in Water Resources, 2021, 151, 103911.	1.7	6
3864	Assessing impacts of climate variability and changing cropping patterns on regional evapotranspiration, yield and water productivity in California's San Joaquin watershed. Agricultural Water Management, 2021, 250, 106852.	2.4	18
3865	Larger floods of Himalayan foothill rivers sustained flows in the Ghaggar–Hakra channel during Harappan age. Journal of Quaternary Science, 2021, 36, 611-627.	1.1	5
3866	Ammonia volatilization modeling optimization for rice watersheds under climatic differences. Science of the Total Environment, 2021, 767, 144710.	3.9	3
3867	Application of SWAT in Hydrological Simulation of Complex Mountainous River Basin (Part II: Climate) Tj ETQq1 I	. 0,784314 1.2	4 rgBT /Over
3868	Evaluation of gridded meteorological datasets and their potential hydrological application to a humid area with scarce data for Pirapama River basin, northeastern Brazil. Theoretical and Applied Climatology, 2021, 145, 393-410.	1.3	7
3869	Integrating \$\$varepsilon \$\$-dominance and RBF surrogate optimization for solving computationally expensive many-objective optimization problems. Journal of Global Optimization, 2022, 82, 965-992.	1.1	7
3870	A Review of SWAT Model Application in Africa. Water (Switzerland), 2021, 13, 1313.	1.2	89
3871	Hydrological Models and Artificial Neural Networks (ANNs) to Simulate Streamflow in a Tropical Catchment of Sri Lanka. Applied Computational Intelligence and Soft Computing, 2021, 2021, 1-9.	1.6	17
3872	Quantitative analysis of economic and environmental benefits for land fallowing policy in the Beijing-Tianjin-Hebei region. Journal of Environmental Management, 2021, 286, 112234.	3.8	12
3873	Impacts of Climate Change on Irrigation Water Management in the Babai River Basin, Nepal. Hydrology, 2021, 8, 85.	1.3	6
3874	Afforestation of Degraded Croplands as a Water-Saving Option in Irrigated Region of the Aral Sea Basin. Water (Switzerland), 2021, 13, 1433.	1.2	10
3875	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
3876	Spatio-temporal effect of climate and land-use change on water balance of the Ganga river basin. Journal of Hydro-Environment Research, 2021, 36, 50-66.	1.0	5
3877	Assessing the Impacts of Recent Crop Expansion on Water Quality in the Missouri River Basin Using the Soil and Water Assessment Tool. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002284.	1.3	8

#	Article	IF	CITATIONS
3879	Hydrological Extremes and Responses to Climate Change in the Kelantan River Basin, Malaysia, Based on the CMIP6 HighResMIP Experiments. Water (Switzerland), 2021, 13, 1472.	1.2	24
3880	Adaptability of machine learning methods and hydrological models to discharge simulations in data-sparse glaciated watersheds. Journal of Arid Land, 2021, 13, 549-567.	0.9	18
3881	Impact of Agricultural Practices on Water Quality of Old Woman Creek Watershed, Ohio. Agriculture (Switzerland), 2021, 11, 426.	1.4	3
3882	Developing a deep learning model for the simulation of micro-pollutants in a watershed. Journal of Cleaner Production, 2021, 300, 126858.	4.6	16
3883	Assessing Crop Water Productivity under Different Irrigation Scenarios in the Mid–Atlantic Region. Water (Switzerland), 2021, 13, 1826.	1.2	2
3884	Quantifying the effect of environmental drivers on water conservation variation in the eastern Loess Plateau, China. Ecological Indicators, 2021, 125, 107493.	2.6	25
3885	Catchment versus Riparian Buffers: Which Land Use Spatial Scales Have the Greatest Ability to Explain Water Quality Changes in a Typical Temperate Watershed?. Water (Switzerland), 2021, 13, 1758.	1.2	12
3886	Response of runoff in the upper reaches of the Minjiang River to climate change. Journal of Water and Climate Change, 2022, 13, 260-273.	1.2	5
3887	A hydropedological approach to simulate streamflow and soil water contents with <scp>SWAT</scp> +. Hydrological Processes, 2021, 35, e14242.	1.1	12
3888	Non-stationary response of rain-fed spring wheat yield to future climate change in northern latitudes. Science of the Total Environment, 2021, 772, 145474.	3.9	8
3889	Fully distributed versus semi-distributed process simulation of a highly managed watershed with mixed land use and irrigation return flow. Environmental Modelling and Software, 2021, 140, 105000.	1.9	6
3890	Effect of rating curve hysteresis on flood extent simulation with a 2D hydrodynamic model: A case study of the Inner Niger Delta, Mali, West Africa. Journal of African Earth Sciences, 2021, 178, 104187.	0.9	7
3891	Evaluating the Effectiveness of Best Management Practices On Soil Erosion Reduction Using the SWAT Model: for the Case of Gumara Watershed, Abbay (Upper Blue Nile) Basin. Environmental Management, 2021, 68, 240-261.	1.2	25
3892	Quantitative analysis of the impacts of climate and land-cover changes on urban flood runoffs: a case of Dar es Salaam, Tanzania. Journal of Water and Climate Change, 2021, 12, 2835-2853.	1.2	7
3893	Verifying the applicability of SWAT to simulate fecal contamination for watershed management of Selangor River, Malaysia. Science of the Total Environment, 2021, 774, 145075.	3.9	11
3894	Evaluation of bench terracing model parameters transferability for runoff and sediment yield on catchment modelling. Journal of African Earth Sciences, 2021, 178, 104177.	0.9	8
3895	Data- and model-driven determination of flow pathways in the Piako catchment, New Zealand. Journal of Hydro-Environment Research, 2021, 37, 82-82.	1.0	2
3896	İklim Değişikliğinin Havza Ölçeğinde Akım ve Sediman Miktarına Etkilerinin Değerlendirilmesi: Yuv Gölü Havzası. Jeoloji Muhendisligi Dergisi, 2021, 45, 129-154.	vacä±k Bar	aj ₄

#	Article	IF	CITATIONS
3897	Calibration of SWAT and three data-driven models for monthly stream flow simulation in Maharlu Lake Basin. Water Science and Technology: Water Supply, 2021, 21, 4219-4238.	1.0	4
3898	Hydrological regime, water availability and land use/land cover change impact on the water balance in a large agriculture basin in the Southern Brazilian Amazon. Journal of South American Earth Sciences, 2021, 108, 103224.	0.6	24
3899	Identification of phosphorus index improvements through model comparisons across topographic regions in a small agricultural watershed in Vermont (USA). Soil Science Society of America Journal, 2021, 85, 1226-1241.	1,2	4
3900	Assessment of climate change impacts on the streamflow for the Mun River in the Mekong Basin, Southeast Asia: Using SWAT model. Catena, 2021, 201, 105199.	2.2	59
3901	Bilevel optimization of conservation practices for agricultural production. Journal of Cleaner Production, 2021, 300, 126874.	4.6	6
3902	SWAT hydrological modelling for non-Himalayan catchment of Sone River in India. IOP Conference Series: Earth and Environmental Science, 2021, 796, 012067.	0.2	O
3903	Robust climate change adaptation pathways in agricultural water management. Agricultural Water Management, 2021, 252, 106904.	2.4	18
3904	Evaluation of the WEAP model in simulating subbasin hydrology in the Central Rift Valley basin, Ethiopia. Ecological Processes, 2021, 10, .	1.6	15
3905	Influence of environmental factors on autotrophic, soil and ecosystem respirations in Canadian boreal forest. Ecological Indicators, 2021, 125, 107517.	2.6	9
3906	Assessing MODIS16A2 actual evapotranspiration across three spatial resolutions in Uruguay. Agrociencia Uruguay, 2021, 25, .	0.1	1
3907	Future projection of low flows in the Chungju basin, Korea and their uncertainty decomposition. International Journal of Climatology, 0, , .	1.5	4
3908	Predictions of soil and nutrient losses using a modified SWAT model in a large hilly-gully watershed of the Chinese Loess Plateau. International Soil and Water Conservation Research, 2021, 9, 291-304.	3.0	30
3909	Hydrological Modeling of Green Infrastructure to Quantify Its Effect on Flood Mitigation and Water Availability in the High School Watershed in Tucson, AZ. ISPRS International Journal of Geo-Information, 2021, 10, 443.	1.4	3
3910	CLIGEN parameter regionalization for mainland China. Earth System Science Data, 2021, 13, 2945-2962.	3.7	3
3911	Contribution analysis on spatial tradeoff/synergy of Karst soil conservation and water retention for various geomorphological types: Geographical detector application. Ecological Indicators, 2021, 125, 107470.	2.6	41
3912	Boryeong Dam Emergency Water Diversion Facility: Ensuring Operational Flexibility and Resilient Response to Climate Change. Korean Society of Hazard Mitigation, 2021, 21, 11-22.	0.1	0
3913	Uncertainty analysis for integrated water system simulations using GLUE with different acceptability thresholds. Science China Technological Sciences, 2021, 64, 1791-1804.	2.0	4
3914	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

#	Article	IF	Citations
3915	Impacts of swat weather generator statistics from high-resolution datasets on monthly streamflow simulation over Peninsular Spain. Journal of Hydrology: Regional Studies, 2021, 35, 100826.	1.0	10
3916	Estimation of Phosphorus Transport Influenced by Climate Change in a Rice Paddy Catchment Using SWAT. International Journal of Environmental Research, 2021, 15, 759-772.	1.1	19
3917	Evaluating nitrate and phosphorus remediation in intensively irrigated stream-aquifer systems using a coupled flow and reactive transport model. Journal of Hydrology, 2021, 598, 126304.	2.3	21
3918	Application of SWAT Using Snow Data and Detecting Climate Change Impacts in the Mountainous Eastern Regions of Turkey. Water (Switzerland), 2021, 13, 1982.	1.2	13
3919	Water Supply Planning Considering Uncertainties in Future Water Demand and Climate: A Case Study in an Illinois Watershed. Journal of the American Water Resources Association, 2023, 59, 449-465.	1.0	2
3920	Prediction of heavy metal Cd content in basin soil with time series input. IOP Conference Series: Earth and Environmental Science, 2021, 804, 042079.	0.2	0
3921	Simulation of Irrigation Demand and Control in Catchments – A Review of Methods and Case Studies. Water Resources Research, 2021, 57, e2020WR029263.	1.7	7
3922	Land Use/Land Cover Change Impact on Hydrological Process in the Upper Baro Basin, Ethiopia. Applied and Environmental Soil Science, 2021, 2021, 1-15.	0.8	16
3923	Developing a Decision Support System for Economic Analysis of Irrigation Applications in Temperate Zones. Water (Switzerland), 2021, 13, 2044.	1.2	3
3924	Effects of Urban Development Patterns on Municipal Water Shortage. Frontiers in Water, 2021, 3, .	1.0	26
3925	CREST-iMAP v1.0: A fully coupled hydrologic-hydraulic modeling framework dedicated to flood inundation mapping and prediction. Environmental Modelling and Software, 2021, 141, 105051.	1.9	22
3926	Spatio-temporal analysis of the hydrological response to land cover changes in the sub-basin of the Chic \tilde{A}^e river, Colombia. Heliyon, 2021, 7, e07358.	1.4	8
3927	Simulating Future Groundwater Recharge in Coastal and Inland Catchments. Water Resources Management, 2021, 35, 3617-3632.	1.9	37
3928	Modelling the impacts of climate and land use changes on water quality in the Guadiana basin and the adjacent coastal area. Science of the Total Environment, 2021, 776, 146034.	3.9	9
3929	Variations and influencing factors of potential evapotranspiration in large Siberian river basins during 1975–2014. Journal of Hydrology, 2021, 598, 126443.	2.3	17
3930	Identifying critical source areas of nonpoint source pollution in a watershed with SWAT–ECM and AHP methods. Hydrology Research, 2021, 52, 1184-1199.	1.1	7
3931	Modelling climate change impact on the streamflow in the Upper Wabe Bridge watershed in Wabe Shebele River Basin, Ethiopia. International Journal of River Basin Management, 2023, 21, 181-193.	1.5	19
3932	Airborne laser scanning for quantifying criteria and indicators of sustainable forest management in Canada. Canadian Journal of Forest Research, 2021, 51, 972-985.	0.8	10

#	Article	IF	CITATIONS
3933	Comparative study of three stochastic future weather forecast approaches: a case study. Data Science and Management, 2021, 3, 3-3.	4.1	11
3934	Modelling the Fate of Pesticide Transformation Products From Plot to Catchment Scale—State of Knowledge and Future Challenges. Frontiers in Environmental Science, 2021, 9, .	1.5	11
3935	Assessing level of water resources management based on water supply and availability concepts. Journal of Cleaner Production, 2021, 305, 127086.	4.6	7
3936	Evaluation of Integrating SWAT Model into a Multi-Criteria Decision Analysis towards Reliable Rainwater Harvesting Systems. Water (Switzerland), 2021, 13, 1935.	1.2	12
3937	Influence of multisite calibration on streamflow estimation based on the hydrological model with CMADS inputs. Journal of Water and Climate Change, 2021, 12, 3264-3281.	1.2	4
3938	Impact of post- reclamation of soil by large-scale, small-scale and illegal mining on water balance components and sediment yield: Pra River Basin case study. Soil and Tillage Research, 2021, 211, 105026.	2.6	4
3939	A Study to Suggest Monthly Baseflow Estimation Approach for the Long-Term Hydrologic Impact Analysis Models: A Case Study in South Korea. Water (Switzerland), 2021, 13, 2043.	1.2	4
3940	Análisis de la relevancia temporal de las incertidumbres en los modelos de entrada para un modelo hidrológico compuesto en un sistema kárstico prealpino. Hydrogeology Journal, 2021, 29, 2363-2379.	0.9	9
3941	Effects of Water-Saving Irrigation on Hydrological Cycle in an Irrigation District of Northern China. Sustainability, 2021, 13, 8488.	1.6	2
3942	Application of Satellite-Based and Observed Precipitation Datasets for Hydrological Simulation in the Upper Mahi River Basin of Rajasthan, India. Sustainability, 2021, 13, 7560.	1.6	8
3943	Hydro-meteorological impact assessment of climate change on Tikur Wuha watershed in Ethiopia. Sustainable Water Resources Management, 2021, 7, 1.	1.0	2
3945	Evaluation of catchment hydrology and soil loss in non-perennial river system: a case study of Subarnarekha Basin, India. Modeling Earth Systems and Environment, 2022, 8, 2401-2429.	1.9	2
3946	Improving integrated surface water–groundwater modelling with groundwater extraction for water management. Hydrological Sciences Journal, 2021, 66, 1513-1530.	1.2	3
3947	Pronounced Increases in Future Soil Erosion and Sediment Deposition as Influenced by Freeze–Thaw Cycles in the Upper Mississippi River Basin. Environmental Science & Technology, 2021, 55, 9905-9915.	4.6	33
3948	Future hydrology and hydrological extremes under climate change in Asian river basins. Scientific Reports, 2021, 11, 17089.	1.6	15
3949	An improved calibration and uncertainty analysis approach using a multicriteria sequential algorithm for hydrological modeling. Scientific Reports, 2021, 11, 16954.	1.6	7
3950	Quantify phosphorus transport distinction of different reaches to estuary under long-term anthropogenic perturbation. Science of the Total Environment, 2021, 780, 146647.	3.9	16
3951	A Modelling Approach to Forecast the Effect of Climate Change on the Tagus-Segura Interbasin Water Transfer. Water Resources Management, 2021, 35, 3791-3808.	1.9	11

#	Article	IF	CITATIONS
3952	Hydrological modeling with respect to impact of land-use and land-cover change on the runoff dynamics in Budhabalanga river basing using ArcGIS and SWAT model. Remote Sensing Applications: Society and Environment, 2021, 23, 100527.	0.8	10
3953	Multi-Step Calibration Approach for SWAT Model Using Soil Moisture and Crop Yields in a Small Agricultural Catchment. Water (Switzerland), 2021, 13, 2238.	1.2	20
3954	Augmenting freshwater availability in mountain headwater streams: Assessing the sustainability under baseline and future climate change scenarios. International Soil and Water Conservation Research, 2021, , .	3.0	5
3955	Mapping of soil degradation in semi-arid environments in the ouarzazate basin in the south of the central High Atlas, Morocco, using sentinel 2A data. Remote Sensing Applications: Society and Environment, 2021, 23, 100548.	0.8	4
3956	Hydrogeological and Hydrochemical Characterization of Coastal aquifers with Special reference to Submarine Groundwater Discharge in Uttara kannada, Karnataka, India. Journal of Marine Science, 2021, 3, .	0.1	0
3957	Projected soil organic carbon loss in response to climate warming and soil water content in a loess watershed. Carbon Balance and Management, 2021, 16, 24.	1.4	34
3958	Climate Change Impact on the Hydrologic Regimes and Sediment Yield of Pulangi River Basin (PRB) for Watershed Sustainability. Sustainability, 2021, 13, 9041.	1.6	2
3959	Soil erosion modelling: A global review and statistical analysis. Science of the Total Environment, 2021, 780, 146494.	3.9	261
3960	Improvement of the ESA CCI Land cover maps for water balance analysis in tropical regions: A case study in the Muda River Basin, Malaysia. Journal of Hydrology: Regional Studies, 2021, 36, 100837.	1.0	6
3961	Combining Methods to Estimate Post-Fire Soil Erosion Using Remote Sensing Data. Forests, 2021, 12, 1105.	0.9	4
3962	A semi-qualitative approach to the operationalization of the Food–Environment–Energy–Water (FE2W) Nexus concept for infrastructure planning: a case study of the Niger Basin. Water International, 0, , 1-27.	0.4	2
3963	Modeling the impacts of future LULC and climate change on runoff and sediment yield in a strategic basin in the Caatinga/Atlantic forest ecotone of Brazil. Catena, 2021, 203, 105308.	2.2	36
3964	Decadal changes in size, salinity, waterbirds, and fish in lakes of the Konya Closed Basin, Turkey, associated with climate change and increasing water abstraction for agriculture. Inland Waters, 2021, 11, 538-555.	1.1	19
3965	Assessing the potential and hydrological usefulness of the CHIRPS precipitation dataset over a complex topography in Pakistan. Hydrological Sciences Journal, 2021, 66, 1664-1684.	1.2	12
3966	Simulation of ecohydrological processes influencing water supplies in the Tuul River watershed of Mongolia. Journal of Hydroinformatics, 2021, 23, 1130-1145.	1.1	3
3967	A comprehensive assessment framework for attributing trends in streamflow and groundwater storage to climatic and anthropogenic changes: A case study in the typical semiâ€arid catchments of southern India. Hydrological Processes, 2021, 35, e14305.	1.1	3
3968	Modeling long term response of environmental flow attributes to future climate change in a North African watershed (Bouregreg watershed, Morocco). Ecohydrology and Hydrobiology, 2022, 22, 155-167.	1.0	10
3969	Impacts of climate change on future water availability for hydropower and public water supply in Wales, UK. Journal of Hydrology: Regional Studies, 2021, 36, 100866.	1.0	12

#	Article	IF	CITATIONS
3970	Estimation of freshwater discharge from the Kamchatka Peninsula to its surrounding oceans. Journal of Hydrology: Regional Studies, 2021, 36, 100836.	1.0	1
3971	Assessment of four latest long-term satellite-based precipitation products in capturing the extreme precipitation and streamflow across a humid region of southern China. Atmospheric Research, 2021, 257, 105554.	1.8	42
3972	ASSESSMENT OF SOIL LOSS SUSCEPTIBILITY IN SANTA RITA WATERSHED IN SOUTHERN BRAZIL. Engenharia Agricola, 2021, 41, 485-495.	0.2	2
3973	Impact of Climate Change on the Streamflow Modulated by Changes in Precipitation and Temperature in the North Latitude Watershed of Nepal. Hydrology, 2021, 8, 117.	1.3	14
3974	Evaluating the Potential of GloFAS-ERA5 River Discharge Reanalysis Data for Calibrating the SWAT Model in the Grande San Miguel River Basin (El Salvador). Remote Sensing, 2021, 13, 3299.	1.8	17
3975	The role of soils in regulation of freshwater and coastal water quality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200176.	1.8	11
3976	Hydrological Responses to Land Use Land Cover Changes in the Fincha'a Watershed, Ethiopia. Land, 2021, 10, 916.	1.2	17
3977	Acceleration of Soil Erosion by Different Land Uses in Arid Lands above 10Be Natural Background Rates: Case Study in the Sonoran Desert, USA. Land, 2021, 10, 834.	1.2	2
3978	Evaluating the efficacy of targeting options for conservation practice adoption on watershed-scale phosphorus reductions. Water Research, 2021, 201, 117375.	5.3	6
3979	Land Use and Land Cover Changes and Its Impact on Soil Erosion in Stung Sangkae Catchment of Cambodia. Sustainability, 2021, 13, 9276.	1.6	21
3980	Performance of HEC-HMS and SWAT to simulate streamflow in the sub-humid tropical Hemavathi catchment. Journal of Water and Climate Change, 2021, 12, 3005-3017.	1.2	14
3981	The effects of climate variability and land-use change on streamflow and nutrient loadings in the Sesan, Sekong, and Srepok (3S) River Basin of the Lower Mekong Basin. Environmental Science and Pollution Research, 2022, 29, 7117-7126.	2.7	6
3982	Modelling streamflow and sediment yield using Soil and Water Assessment Tool: a case study of Lidder watershed in Kashmir Himalayas, India. Water Practice and Technology, 2021, 16, 1370-1385.	1.0	4
3983	Watershed Modeling Using Swat for Hydrology and Water Quality: A Review. International Journal of Scientific Research in Science, Engineering and Technology, 2021, , 190-196.	0.1	0
3984	The importance of subsurface drainage on model performance and water balance in an agricultural catchment using SWAT and SWAT-MODFLOW. Agricultural Water Management, 2021, 255, 107058.	2.4	18
3985	Mapping potential soil erosion using RUSLE, Remote Sensing, and GIS: a case study in the watershed of Oued El Ardjem, Northwest Algeria. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	9
3986	Adapting reservoir operation rules to hydrological drought state and environmental flow requirements. Journal of Hydrology, 2021, 600, 126581.	2.3	7
3987	Improvement of Downstream Flow by Modifying SWAT Reservoir Operation Considering Irrigation Water and Environmental Flow from Agricultural Reservoirs in South Korea. Water (Switzerland), 2021, 13, 2543.	1.2	8

#	Article	IF	Citations
3988	Synergistic effect of drought and rainfall events of different patterns on watershed systems. Scientific Reports, 2021, 11, 18957.	1.6	16
3989	Toward a framework for the multimodel ensemble prediction of soil nitrogen losses. Ecological Modelling, 2021, 456, 109675.	1.2	3
3990	Impact Assessment of Gridded Precipitation Products on Streamflow Simulations over a Poorly Gauged Basin in El Salvador. Water (Switzerland), 2021, 13, 2497.	1.2	3
3991	Appraising climate change impacts on future water resources and agricultural productivity in agro-urban river basins. Science of the Total Environment, 2021, 788, 147717.	3.9	28
3992	Data- and Model-Based Discharge Hindcasting over a Subtropical River Basin. Water (Switzerland), 2021, 13, 2560.	1.2	1
3993	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
3994	Power outages and firm performance: A hydro-IV approach for a single electricity grid. Energy Economics, 2021, 103, 105571.	5.6	8
3995	Impacts of Climate Change on Blue and Green Water Resources in the Middle and Upper Yarlung Zangbo River, China. Atmosphere, 2021, 12, 1280.	1.0	3
3996	Predicting water quality trends resulting from forest cover change in an agriculturally dominated river basin in Eastern Ontario, Canada. Water Quality Research Journal of Canada, 2021, 56, 218-238.	1.2	4
3997	Assessment of land use and climate change effects on hydrology in the upper Siem Reap River and Angkor Temple Complex, Cambodia. Environmental Development, 2021, 39, 100615.	1.8	13
3998	Scientific challenges of research on natural hazards and disaster risk. Geography and Sustainability, 2021, 2, 216-223.	1.9	39
3999	Hydrologic responses to climate and land-use/land-cover changes in the Bilate catchment, Southern Ethiopia. Journal of Water and Climate Change, 2021, 12, 3750-3769.	1.2	17
4000	Evaluating crop-soil-water dynamics in waterlogged areas using a coupled groundwater-agronomic model. Environmental Modelling and Software, 2021, 143, 105130.	1.9	11
4001	Daily scale river flow simulation: hybridized fuzzy logic model with metaheuristic algorithms. Hydrological Sciences Journal, 2021, 66, 2155-2169.	1.2	10
4002	Goodness-of-fit criteria for hydrological models: Model calibration and performance assessment. Journal of Hydrology, 2021, 600, 126674.	2.3	44
4003	Modeling agro-hydrological processes and analyzing water use in a super-large irrigation district (Hetao) of arid upper Yellow River basin. Journal of Hydrology, 2021, 603, 127014.	2.3	20
4004	Modelling of Nutrient Pollution Dynamics in River Basins: A Review with a Perspective of a Distributed Modelling Approach. Geosciences (Switzerland), 2021, 11, 369.	1.0	8
4005	Generation of a long-term daily gridded precipitation dataset for the Upper Indus Basin (UIB) through temporal Reconstruction, Correction & Egionalization-"ReCIRâ€. International Soil and Water Conservation Research, 2021, 9, 445-460.	3.0	3

#	ARTICLE	IF	CITATIONS
4006	Contrasting effects of climate and LULC change on blue water resources at varying temporal and spatial scales. Science of the Total Environment, 2021, 786, 147488.	3.9	19
4007	Effect of land use/land cover changes on surface water availability in the Omo-Gibe basin, Ethiopia. Hydrological Sciences Journal, 2021, 66, 1936-1962.	1.2	17
4008	Modelling of streamflow before and after dam construction in the Mono River Basin in Togo-Benin, West Africa. International Journal of River Basin Management, 2023, 21, 265-281.	1.5	4
4009	Future Climatic Projections and Hydrological Responses in the Upper Beijiang River Basin of South China Using Biasâ€Corrected RegCM 4.6 Data. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034550.	1.2	6
4010	Evaluation and selection of CORDEX-SA datasets and bias correction methods for a hydrological impact study in a humid tropical river basin, Kerala. Journal of Water and Climate Change, 0, , .	1.2	4
4011	Water footprints of irrigated crop production and meteorological driving factors at multiple temporal scales. Agricultural Water Management, 2021, 255, 107014.	2.4	13
4012	Spatially distributed impacts of climate change and groundwater demand on the water resources in a wadi system. Hydrology and Earth System Sciences, 2021, 25, 5065-5081.	1.9	8
4013	Coupling terrestrial and aquatic thermal processes for improving stream temperature modeling at the watershed scale. Journal of Hydrology, 2021, 603, 126983.	2.3	8
4014	Monitoring an ungagged coastal marsh to analyze the salinity interaction of the marsh with Lake Erie. Environmental Monitoring and Assessment, 2021, 193, 645.	1.3	3
4015	Hydrological Modeling in Agricultural Intensive Watershed: The Case of Upper East Fork White River, USA. Hydrology, 2021, 8, 137.	1.3	6
4016	A methodology for assessing spatio-temporal dynamics of flood regulating services. Ecological Indicators, 2021, 129, 107963.	2.6	29
4017	An automatic partition-based parallel algorithm for grid-based distributed hydrological models. Environmental Modelling and Software, 2021, 144, 105142.	1.9	2
4018	Modeling environmental impact in a semi-arid intensive irrigated watershed. Agricultural Water Management, 2021, 256, 107115.	2.4	1
4019	Assessing basin blue–green available water components under different management and climate scenarios using SWAT. Agricultural Water Management, 2021, 256, 107074.	2.4	28
4020	Quantifying and understanding the source of recharge for alluvial systems in arid environments through the development of a seepage model. Journal of Hydrology, 2021, 601, 126650.	2.3	8
4021	Evaluating the impact of watershed development and climate change on stream ecosystems: A Bayesian network modeling approach. Water Research, 2021, 205, 117685.	5.3	8
4022	Estimating the Aquifer's Renewable Water to Mitigate the Challenges of Upcoming Megadrought Events. Water Resources Management, 2021, 35, 4927-4942.	1.9	1
4023	A scalable distributed parallel simulation tool for the SWAT model. Environmental Modelling and Software, 2021, 144, 105133.	1.9	7

#	Article	IF	CITATIONS
4024	Landscape configuration mediates hydrology and nonpoint source pollution under climate change and agricultural expansion. Ecological Indicators, 2021, 129, 107959.	2.6	26
4025	Modelled estimates of dissolved inorganic nitrogen exported to the Great Barrier Reef lagoon. Marine Pollution Bulletin, 2021, 171, 112655.	2.3	18
4026	Evaluating the performance of streamflow simulated by an eco-hydrological model calibrated and validated with global land surface actual evapotranspiration from remote sensing at a catchment scale in West Africa. Journal of Hydrology: Regional Studies, 2021, 37, 100893.	1.0	6
4027	Modeling and assessing the impact of tunnel drainage on terrestrial vegetation. Tunnelling and Underground Space Technology, 2021, 116, 104097.	3.0	4
4028	Calibration of hydrological models considering process interdependence: A case study of SWAT model. Environmental Modelling and Software, 2021, 144, 105131.	1.9	11
4029	Assessing the Effect of Land/Use Land Cover and Climate Change on Water Yield and Groundwater Recharge in East African Rift Valley using Integrated Model. Journal of Hydrology: Regional Studies, 2021, 37, 100926.	1.0	21
4030	Evaluating the uncertainty of eight approaches for separating the impacts of climate change and human activities on streamflow. Journal of Hydrology, 2021, 601, 126605.	2.3	23
4031	Identification of sensitive parameters in daily and monthly hydrological simulations in small to large catchments in Central India. Journal of Hydrology, 2021, 601, 126632.	2.3	26
4032	Quantifying the spatiotemporal dynamics of recharge in a composite Great Lakes watershed using a high-resolution hydrology model and multi-source data. Journal of Hydrology, 2021, 601, 126594.	2.3	2
4033	Assessment of Hydroclimatological Changes in Eastern Himalayan River Catchment of Northeast India. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	0.8	5
4034	Modeling water quantity and quality for a typical agricultural plain basin of northern China by a coupled model. Science of the Total Environment, 2021, 790, 148139.	3.9	22
4035	Modeling streamflow driven by climate change in data-scarce mountainous basins. Science of the Total Environment, 2021, 790, 148256.	3.9	14
4036	Potential of water balance and remote sensing-based evapotranspiration models to predict yields of spring barley and winter wheat in the Czech Republic. Agricultural Water Management, 2021, 256, 107064.	2.4	9
4037	Effects of climate and land cover changes on water availability in a Brazilian Cerrado basin. Journal of Hydrology: Regional Studies, 2021, 37, 100931.	1.0	15
4038	Strong sensitivity of watershed-scale, ecohydrologic model predictions to soil moisture. Environmental Modelling and Software, 2021, 144, 105162.	1.9	4
4039	A new probability-embodied model for simulating variable contributing areas and hydrologic processes dominated by surface depressions. Journal of Hydrology, 2021, 602, 126762.	2.3	6
4040	Water Ecosystem Services Footprint of agricultural production in Central Italy. Science of the Total Environment, 2021, 797, 149095.	3.9	9
4041	Variance decomposition of forecasted sediment transport in a lowland watershed using global climate model ensembles. Journal of Hydrology, 2021, 602, 126760.	2.3	O

#	ARTICLE	IF	Citations
4042	Understanding hydrogeomorphic and climatic controls on soil erosion and sediment dynamics in large Himalayan basins. Science of the Total Environment, 2021, 795, 148972.	3.9	7
4043	Use of gridded climate data for hydrological modelling in the Zambezi River Basin, Southern Africa. Journal of Hydrology, 2021, 602, 126749.	2.3	12
4044	Toward more mechanistic representations of biogeochemical processes in river networks: Implementation and demonstration of a multiscale model. Environmental Modelling and Software, 2021, 145, 105166.	1.9	10
4045	Hydrological modelling of a snow/glacier-fed western Himalayan basin to simulate the current and future streamflows under changing climate scenarios. Science of the Total Environment, 2021, 795, 148871.	3.9	25
4046	Coupling linear spectral unmixing and RUSLE2 to model soil erosion in the Boubo coastal watershed, CÃte d'Ivoire. Ecological Indicators, 2021, 130, 108092.	2.6	6
4047	Is a simple model based on two mixing reservoirs able to reproduce the intra-annual dynamics of DOC and NO3 stream concentrations in an agricultural headwater catchment?. Science of the Total Environment, 2021, 794, 148715.	3.9	6
4048	Screening ecological risk of pesticides and emerging contaminants under data limited conditions – Case study modeling urban and agricultural watersheds with OrganoFate. Environmental Pollution, 2021, 288, 117662.	3.7	6
4049	A review of alternative climate products for SWAT modelling: Sources, assessment and future directions. Science of the Total Environment, 2021, 795, 148915.	3.9	41
4050	Modeling climate change impacts on blue, green, and grey water footprints and crop yields in the Texas High Plains, USA. Agricultural and Forest Meteorology, 2021, 310, 108649.	1.9	15
4051	Using insights from water isotopes to improve simulation of surface water-groundwater interactions. Science of the Total Environment, 2021, 798, 149253.	3.9	15
4052	Cross-sphere modelling to evaluate impacts of climate and land management changes on groundwater resources. Science of the Total Environment, 2021, 798, 148759.	3.9	10
4053	Twenty years of change: Land and water resources in the Chindwin catchment, Myanmar between 1999 and 2019. Science of the Total Environment, 2021, 798, 148766.	3.9	16
4054	Incorporating rain-on-snow into the SWAT model results in more accurate simulations of hydrologic extremes. Journal of Hydrology, 2021, 603, 126972.	2.3	18
4055	A comprehensive calibration and validation of SWAT-T using local datasets, evapotranspiration and streamflow in a tropical montane cloud forest area with permeable substrate in central Veracruz, Mexico. Journal of Hydrology, 2021, 603, 126781.	2.3	4
4056	Advances in the simulation of nutrient dynamics in cold climate agricultural basins: Developing new nitrogen and phosphorus modules for the Cold Regions Hydrological Modelling Platform. Journal of Hydrology, 2021, 603, 126901.	2.3	7
4057	Effect of sensitivity analysis on parameter optimization: Case study based on streamflow simulations using the SWAT model in China. Journal of Hydrology, 2021, 603, 126896.	2.3	33
4058	Runoff monitoring in the Lhasa River Basin using passive microwave data. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102486.	1.4	0
4059	Copula-based framework for integrated evaluation of water quality and quantity: A case study of Yihe River, China. Science of the Total Environment, 2022, 804, 150075.	3.9	7

#	Article	IF	Citations
4060	Integrated watershed process model for evaluating mercury sources, transport, and future remediation scenarios in an industrially contaminated site. Journal of Hazardous Materials, 2022, 423, 127049.	6.5	2
4061	Effects of global greening phenomenon on water sustainability. Catena, 2022, 208, 105732.	2.2	10
4062	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
4063	Towards sustainable forestry: Using a spatial Bayesian belief network to quantify trade-offs among forest-related ecosystem services. Journal of Environmental Management, 2022, 301, 113817.	3.8	12
4065	Assessment of climate change impact on the Gomti River basin in India under different RCP scenarios. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2
4066	Error Correction of Multi-Source Weighted-Ensemble Precipitation (MSWEP) over the Lancang-Mekong River Basin. Remote Sensing, 2021, 13, 312.	1.8	11
4067	Observations, Monitoring and Data Management. , 2021, , 385-442.		2
4068	A comparison of regionalization methods in monsoon dominated tropical river basins. Journal of Water and Climate Change, 2021, 12, 1975-1996.	1.2	1
4070	Impact of Land Use and Land Cover Changes on Surface Runoff and Sediment Yield in the Little Ruaha River Catchment. Open Journal of Modern Hydrology, 2021, 11, 54-74.	0.4	16
4071	Multi-Time Scale Evaluation of Forest Water Conservation Function in the Semiarid Mountains Area. Forests, 2021, 12, 116.	0.9	11
4072	Comprehensive Evaluation of Water Quality and Non-Point Source Pollution in Baitiao River Basin. Open Journal of Soil and Water Conservation, 2021, 09, 16-25.	0.1	0
4073	Simulation effects of clean water corridor technology on the control of non-point source pollution in the Paihe River basin, Chaohu lake. Environmental Science and Pollution Research, 2021, 28, 23534-23546.	2.7	13
4074	Implementation of the Semi-Distributed SWAT (Soil and Water Assessment Tool) Model Capacity in the Lobo Watershed at Nibé hibé (Center-West of Côte D'Ivoire). Journal of Geoscience and Environment Protection, 2021, 09, 21-38.	0.2	0
4075	A review for comparing SWAT and SWAT coupled models and its applications. Materials Today: Proceedings, 2021, 45, 7190-7194.	0.9	10
4076	Investigating the Effects of Agricultural Water Management in a Mediterranean Coastal Aquifer under Current and Projected Climate Conditions. Water (Switzerland), 2021, 13, 108.	1.2	10
4077	Trade-off analysis of agri-food systems for sustainable research and development. Q Open, 2021, 1, .	0.7	9
4078	Environmental degradation risk by water erosion in a water producer Colombian Andes basin. Ciencia E Agrotecnologia, 0, 45, .	1.5	3
4079	Introduction to Watershed Management. , 2021, , 1-23.		1

#	Article	IF	CITATIONS
4080	Climate Change Impacts on Hydrology of a Small Watershed in a River Valley Project Catchment of Southern India. Springer Hydrogeology, 2021, , 567-583.	0.1	0
4081	Hydrological Modelling for Water Resource Management in a Semi-Arid Mountainous Region Using the Soil and Water Assessment Tool: A Case Study in Northern Afghanistan. Hydrology, 2021, 8, 16.	1.3	15
4083	Impacts of Land-Use and Land-Cover Change on River Systems. , 2022, , 1191-1236.		1
4084	Modelling hydrological processes under climate change scenarios in the Jemma sub-basin of upper Blue Nile Basin, Ethiopia. Climate Risk Management, 2021, 31, 100272.	1.6	15
4087	Model parameters for representative wetland plant functional groups. Ecosphere, 2017, 8, e01958.	1.0	13
4088	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
4089	Climate Change Impacts for the Conterminous USA: An Integrated Assessment. , 2005, , 67-88.		7
4090	An Eco-Hydrological Project on Turkey Creek Watershed, South Carolina, U.S.A. NATO Science Series Series IV, Earth and Environmental Sciences, 2008, , 115-126.	0.3	2
4091	Assessment of Gully Erosion and Estimation of Sediment Yield in Siddheswari River Basin, Eastern India, Using SWAT Model. Advances in Science, Technology and Innovation, 2020, , 279-293.	0.2	3
4092	Evaporative Processes on Vegetation: An Inside Look. , 2020, , 35-48.		15
4093	Elements of Thermodynamically Constrained Averaging Theory. Advances in Geophysical and Environmental Mechanics and Mathematics, 2014, , 1-36.	0.1	2
4094	Sediment Yield Estimate of River Basin Using SWAT Model in Semi-arid Region of Peninsular India. , 2015, , 543-546.		2
4095	Assessment of the Impact of Projected Climate Change on Streamflow and Groundwater Recharge in a River Basin., 2015,, 143-176.		1
4096	The Gap Between Best Practice and Actual Practice in the Allocation of Environmental Flows in Integrated Water Resources Management., 2015,, 103-120.		4
4097	Assessment of Water Availability in Chennai Basin under Present and Future Climate Scenarios. Springer Earth System Sciences, 2015, , 397-415.	0.1	5
4099	Groundwater Recharge and Contribution to the Tana Sub-basin, Upper Blue Nile Basin, Ethiopia. Springer Geography, 2016, , 463-481.	0.3	5
4100	Climate Change Impact Assessment on Groundwater Recharge of the Upper Tiber Basin (Central Italy). Springer Geography, 2016, , 675-701.	0.3	2
4101	Economics of Land Degradation and Improvement in Bhutan. , 2016, , 327-383.		1

#	ARTICLE	IF	CITATIONS
4102	Flanders: Regional Organization of Water and Drought and Using Data as Driver for Change. , 2016, , 139-158.		4
4103	Climate Change Impacts on Water Availability and Human Security in the Intercontinental Biosphere Reserve of the Mediterranean (Morocco-Spain)., 2017,, 75-93.		2
4104	Experimental Evaluation of Straight Line Programs for Hydrological Modelling with Exogenous Variables. Lecture Notes in Computer Science, 2017, , 447-458.	1.0	1
4105	Research Methods for Assessing the Impacts of Forest Disturbance on Hydrology at Large-scale Watersheds., 2011,, 119-147.		6
4106	Multi-Site Calibration and Validation of the Hydrological Component of SWAT in a Large Lowland Catchment. GeoPlanet: Earth and Planetary Sciences, 2011, , 15-41.	0.2	17
4107	Automatic Calibration of the WetSpa Distributed Hydrological Model for Small Lowland Catchments. GeoPlanet: Earth and Planetary Sciences, 2011, , 43-62.	0.2	4
4108	Design and Development of Web Services for Accessing Free Hydrological Data from the Czech Republic. IFIP Advances in Information and Communication Technology, 2011, , 581-588.	0.5	6
4109	Introduction to Watershed Management. , 2016, , 1869-1896.		2
4110	The MAELIA Multi-Agent Platform for Integrated Analysis of Interactions Between Agricultural Land-Use and Low-Water Management Strategies. Lecture Notes in Computer Science, 2014, , 85-100.	1.0	19
4111	Spatially explicit versus lumped models in catchment hydrology – experiences from two case studies. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 3-26.	0.1	4
4112	Modeling the Effects of Climate Change on the Supply of Phosphate-Phosphorus. , 2010, , 139-159.		5
4113	Climate Change Impact on Agricultural Water Resources Variability in the Northern Highlands of Ethiopia., 2011,, 241-265.		21
4115	Development of a New Wetness Index Based on RADARSAT-1 ScanSAR Data. Springer Remote Sensing/photogrammetry, 2015, , 301-314.	0.4	1
4116	Modeling of a River Basin Using SWAT Model. Water Science and Technology Library, 2018, , 707-714.	0.2	8
4118	Integrated Water Quality Modelling of the River Zenne (Belgium) Using OpenMI., 2014,, 259-274.		7
4119	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
4120	Daily denitrification rates in floodplains under contrasting pedo-climatic and anthropogenic contexts: modelling at the watershed scale. Biogeochemistry, 2020, 149, 317-336.	1.7	12
4121	Coupled modeling using PRZM/RICEWQ and SWAT for the North Tiaoxi Watershed. Environmental Science and Pollution Research, 2020, 27, 12635-12645.	2.7	1

#	Article	IF	CITATIONS
4122	Nutrient loads to surface water from row crop production. International Journal of Life Cycle Assessment, 2007, 12, 399-407.	2.2	10
4123	Groundwater recharge modelling in a large scale basin: an example using the SWAT hydrologic model. Modeling Earth Systems and Environment, 2017, 3, 1361-1369.	1.9	20
4124	Suitability of averaged outputs from multiple rainfall-runoff models for hydrological extremes: a case of River Kafu catchment in East Africa. International Journal of Energy and Water Resources, 2021, 5, 43-56.	1.3	8
4125	A practice-oriented approach to foster private landowner participation in ecosystem service conservation and restoration at a landscape scale. Ecosystem Services, 2020, 46, 101203.	2.3	6
4126	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Climate change impact assessment (Part-B). Journal of Hydrology: Regional Studies, 2020, 29, 100691.	1.0	16
4127	Reducing nitrogen control costs by within- and cross-county targeting. Journal of Environmental Management, 2020, 263, 110333.	3.8	1
4128	Optimizing climate model selection for hydrological modeling: A case study in the Maumee River basin using the SWAT. Journal of Hydrology, 2020, 588, 125064.	2.3	18
4129	Influential sources of uncertainty in glyphosate biochemical degradation in soil. Mathematics and Computers in Simulation, 2020, 175, 121-139.	2.4	5
4131	Attribution of Hydrologic Changes in a Tropical River Basin to Rainfall Variability and Land-Use Change: Case Study from India. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	33
4133	Outlook Analysis of Future Discharge According to Land Cover Change Using CA-Markov Technique Based on GIS. Journal of the Korean Association of Geographic Information Studies, 2013, 16, 25-39.	0.1	6
4134	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
4135	Assessment of Water Availability and Scarcity Based on Hydrologic Components in an Irrigated Agricultural Watershed Using SWAT. Journal of the American Water Resources Association, 2021, 57, 186-203.	1.0	8
4136	Opportunities to Build Groundwater Resilience in the Semi-Arid Tropics. Ground Water, 2012, 51, no-no.	0.7	3
4137	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	7 5
4138	EVALUATION OF THE APPLICABILITY OF THE SWAT MODEL FOR COASTAL WATERSHEDS IN SOUTHEASTERN LOUISIANA. Journal of the American Water Resources Association, 2006, 42, 1247-1260.	1.0	46
4139	Study on streamflow response to land use change over the upper reaches of Zhanghe Reservoir in the Yangtze River basin. Geoscience Letters, 2020, 7, .	1.3	14
4140	Assessing the effects of climate change on flood inundation in the lower Mekong Basin using high-resolution AGCM outputs. Progress in Earth and Planetary Science, 2020, 7, .	1.1	19
4141	Quantifying the Effects of Phosphorus Control Best Management Practices. , 2006, , 351-381.		4

#	Article	IF	CITATIONS
4142	Modeling Phosphorus Movement from Agriculture to Surface Waters., 2006,, 3-19.		2
4143	Phosphorus Modeling in Soil and Water Assessment Tool (SWAT) Model. , 2006, , 163-187.		5
4144	Phosphorus Indices. , 2006, , 301-332.		1
4145	The Impact of Climate Change on Groundwater. , 2006, , 28-1-28-42.		3
4146	Simulated Soil Water Content Effect on Plant Nitrogen Uptake and Export for Watershed Management., 2008,, 277-304.		1
4147	Estimating Nonpoint Source Pollution Loadings In The Great Lakes Watersheds. Integrative Studies in Water Management and Land Development, 2007, , 115-127.	0.0	1
4148	Mapping Potential Annual Pollutant Loads in River Basins Using Remotely Sensed Imagery., 2012,, 50-71.		2
4149	WEAP model as a tool for integrated water resources management in Merguellil watershed (central) Tj ETQq1 1	0.784314	rgBT /Overlo
4150	Water Resources Responses to Climate Changes in Xi'an Heihe River Basin Based on SWAT Model. Journal of Water Resources Research, 2013, 02, 301-308.	0.1	10
4151	Assessing the Performance of SWAT and AnnAGNPS Models in a Coastal Plain Watershed, Choptank River, Maryland, U.S.A , 2007, , .		1
4152	Early Investment in Soil Conservation Research Continues to Provide Dividends. Transactions of the ASABE, 2007, 50, 1595-1601.	1.1	6
4153	Predicting Maximum Lake Depth from Surrounding Topography. PLoS ONE, 2011, 6, e25764.	1.1	41
4154	Climate Change Impacts on Streamflow and Subbasin-Scale Hydrology in the Upper Colorado River Basin. PLoS ONE, 2013, 8, e71297.	1.1	108
4155	Evaluation of Gridded Precipitation Data for Driving SWAT Model in Area Upstream of Three Gorges Reservoir. PLoS ONE, 2014, 9, e112725.	1.1	59
4156	Reforestation-induced changes of landscape composition and configuration modulate freshwater supply and flooding risk of tropical watersheds. PLoS ONE, 2017, 12, e0181315.	1.1	12
4157	Building Regional Capacities for GEOSS and INSPIRE: a journey in the Black Sea Catchment. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	7
4158	OWS4SWAT: Publishing and Sharing SWAT Outputs with OGC standards. International Journal of Advanced Computer Science and Applications, 2013, 3, .	0.5	7
4159	Modeling Blue and Green Water Resources Availability in an Iranian Data Scarce Watershed Using SWAT. Journal of Water Management Modeling, 0, , .	0.0	9

#	ARTICLE	IF	CITATIONS
4160	Swat model for in potential contamination a tributary of the rio $S\tilde{A}$ £o Francisco, Brazil. Scientia Plena, 2017, 13, .	0.1	2
4161	Predicting small water courses' physico-chemical status from watershed characteristics with two multivariate statistical methods. Open Geosciences, 2020, 12, 71-84.	0.6	4
4162	Using gridded rainfall products in simulating streamflow in a tropical catchment – A case study of the Srepok River Catchment, Vietnam. Journal of Hydrology and Hydromechanics, 2017, 65, 18-25.	0.7	19
4163	The use of NRCS synthetic unit hydrograph and Wackermann conceptual model in the simulation of a flood wave in an uncontrolled catchment/ Zastosowanie syntetycznego hydrogramu jednostkowego NRCS oraz konceptualnego modelu Wackermana do symulacji fali wezbraniowej w zlewni niekontrolowanei, lournal of Water and Land Development, 2014, 23, 53-59.	0.9	9
4164	A review of hydrological/water-quality models. Frontiers of Agricultural Science and Engineering, 2014, 1, 267.	0.9	60
4165	Modeling of hydrological processes in arid agricultural regions. Frontiers of Agricultural Science and Engineering, 2015, 2, 283.	0.9	5
4166	The effects of human activities, climatic conditions and land-use factors on water resources development in huai river basin northeast china. International Journal of Hydrology, 2018, 2, .	0.2	3
4167	CFSR- NCEP Performance for weather data forecasting in the Pernambuco Semiarid, Brazil. DYNA (Colombia), 2020, 87, 204-213.	0.2	1
4168	A talajerózió modellezése. Agrokemia Es Talajtan, 2003, 52, 427-442.	0.1	3
4169	GIS Based Hydrological Modelling for Climate Change Impact Assessment. Greener Journal of Science Engineering and Technological Research, 2013, 3, 210-219.	0.2	1
4170	HYDROLOGICAL IMPLICATIONS OF CLIMATE CHANGE ON RIVER BASIN WATER CYCLE: CASE STUDIES OF THE YANGTZE RIVER AND YELLOW RIVER BASINS, CHINA. Applied Ecology and Environmental Research, 2017, 15, 683-704.	0.2	4
4171	Analysis of Spatiotemporal Changes in Groundwater Recharge and Baseflow using SWAT and BFlow Models. Journal of Korean Neuropsychiatric Association, 2014, 30, 549-558.	0.2	3
4172	Analysis of Rainfall-Runoff Characteristics on Bias Correction Method of Climate Change Scenarios. Journal of Korean Neuropsychiatric Association, 2015, 31, 241-252.	0.2	2
4173	Assessment of hydrological processes in a small watershed using SWAT. International Journal of Agricultural Engineering, $2018, 11, 41-48$.	0.0	1
4174	Hydrological modelling in small ungauged catchments. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20180687.	0.3	1
4175	APPLICABILITY OF THE SWAT HYDROLOGICAL MODEL IN THE MUCURI RIVER BASIN. Engenharia Agricola, 2020, 40, 631-644.	0.2	3
4176	Aplicação do modelo SWAT na avaliação do consumo de água em áreas de florestas plantadas na bacia do rio pará, Alto São Francisco, em Minas Gerais. Sociedade & Natureza, 2015, 27, 485-500.	0.0	3
4177	Impacts of land use and cover change on ParaÃba do Sul whatershed streamflow using the SWAT model. Revista Brasileira De Recursos Hidricos, 0, 25, .	0.5	8

#	ARTICLE	IF	CITATIONS
4178	Development and application of a rainfall-runoff model for semi-arid regions. Revista Brasileira De Recursos Hidricos, 0, 25, .	0.5	5
4179	Uso da terra e perda de solo na Bacia Hidrográfica do Rio Colônia, Bahia. Revista Brasileira De Engenharia Agricola E Ambiental, 2011, 15, 310-315.	0.4	12
4180	Estimativa da produção de sedimentos em função da mudança de uso e cobertura do solo. Revista Brasileira De Engenharia Agricola E Ambiental, 2014, 18, 199-201.	0.4	4
4181	FOUR DECADES OF HYDROLOGICAL PROCESS SIMULATION OF THE ITACAIÃ NAS RIVER WATERSHED, SOUTHEAST AMAZON. Boletim De Ciencias Geodesicas, 2019, 25, .	0.2	4
4182	MODELO HIDROLÓGICO SWAT NA DETERMINAÇÃO DAS PERDAS DE SOLO, NA BACIA HIDROGRÃFICA DO RIO PARDO – BOTUCATU / SP. Energia Na Agricultura, 2013, 28, 170.	0.1	1
4183	Evaluating the Effectiveness of Best Management Practices in Gilgel Gibe Basin Watershed—Ethiopia. Journal of Civil Engineering and Architecture, 2013, 7, .	0.0	5
4184	Soil Erosion and Sediment Yield Reduction Analysis with Land Use Conversion from Illegal Agricultural Cultivation to Forest in Jawoon-ri, Gangwon using the SATEEC ArcView GIS. Journal of Environmental Policy, 2009, 8, 73-95.	0.2	3
4185	Assessment of Future Climate Change Impact on Groundwater recharge, Baseflow and Sediment in Steep Sloping Watershed. Journal of Wetlands Research, 2014, 16, 173-185.	0.2	5
4186	Multi-temporal analysis of sediment yield caused by hydric erosion in a basin of the Anoia-PenedÃ's vineyard region (NE Spain). Cuadernos De Investigacion Geografica, 2012, 38, 95-114.	0.6	5
4187	Simulation of nitrate-nitrogen transfer in trough scale. Hupo Kexue/Journal of Lake Sciences, 2007, 19, 710-717.	0.3	3
4188	SOIL EROSION MAPPING OF WATERSHED IN MIRZAPUR DISTRICT USING RUSLE MODEL IN GIS ENVIRONMENT. International Journal of Students Research in Technology & Management, 2016, 4, 56-63.	0.1	8
4189	Using SWAT Model to Determine Runoff, Sediment Yield and Nitrate Loss in Gorganrood Watershed, Iran. Ecopersia, 2016, 4, 1359-1377.	0.1	5
4190	Landscape models to support sustainable intensification of agroecological systems. Burleigh Dodds Series in Agricultural Science, 2019, , 321-354.	0.1	1
4191	Streamflow modeling of five major rivers that flow into the Gulf of Mexico using SWAT. Atmosfera, 2019, 32, 261-272.	0.3	7
4193	Estimation of Run-of-River Hydropower Potential in the Myitnge River Basin. Journal of Disaster Research, 2020, 15, 267-276.	0.4	8
4194	Simulação de Escoamento em uma Microbacia Hidrográfica Utilizando Técnicas de Modelagem e Geoprocessamento. Revista Brasileira De Recursos Hidricos, 2003, 8, 147-155.	0.5	7
4195	Assessing the Risk and Magnitude of Agricultural Nonpoint Source Phosphorus Pollution. Agronomy, 0, , 981-1020.	0.2	6
4196	Precision Conservation and Water Quality Markets. Agronomy, 0, , 313-339.	0.2	3

#	Article	IF	Citations
4197	Upper Washita River Experimental Watersheds: Meteorologic and Soil Climate Measurement Networks. Journal of Environmental Quality, 2014, 43, 1239-1249.	1.0	34
4198	A Saturated Excess Runoff Pedotransfer Function for Vegetated Watersheds. Vadose Zone Journal, 2013, 12, 1-10.	1.3	23
4199	Assessing the Economic Benefits of Sustainable Land Management Practices in Bhutan. SSRN Electronic Journal, $0, , .$	0.4	12
4200	Advancing model calibration and uncertainty analysis of SWAT models using cloud computing infrastructure: LCC-SWAT. Journal of Hydroinformatics, 2021, 23, 1-15.	1.1	9
4201	Modeling the impact of climate change on streamflow and major hydrological components of an Iranian Wadi system. Journal of Water and Climate Change, 2021, 12, 1598-1613.	1.2	18
4202	Integrated Land and Water Scenarios of the Raisin River Watershed Using the SWAT Model. Water Quality Research Journal of Canada, 2009, 44, 379-391.	1.2	2
4203	Evaluation method of rain–flood resource utilization availability and its application in the Hanjiang River Basin. Water Science and Technology: Water Supply, 2020, 20, 3557-3575.	1.0	2
4206	Hydrological Modelling in the Lake Tana Basin, Ethiopia Using SWAT Model. The Open Hydrology Journal, 2008, 2, 49-62.	0.4	239
4207	Hydrological Response of Watershed Systems to Land Use/Cover Change. A Case of Wami River Basin. The Open Hydrology Journal, 2012, 6, 78-87.	0.4	32
4208	Effects of Changes in Irrigation and Land Use on Streamflow in the Revuelto Creek Watershed, a Tributary of the Canadian River in New Mexico, USA. The Open Hydrology Journal, 2012, 6, 88-96.	0.4	3
4209	Climate Change Impact Assesment on Hydrological Regime of Yamuna River Basin using GIS. International Journal for Research in Applied Science and Engineering Technology, 2018, 6, 1515-1522.	0.1	1
4210	Hydrological modelling for ungauged basins of arid and semi-arid regions: review. Vestnik MGSU, 2019, , 1023-1036.	0.2	7
4211	Assessment of applicability of mike 11-nam hydrological module forÂrainfall runoff modelling in a poorly studied river basin. Vestnik MGSU, 2020, , 1030-1046.	0.2	9
4212	Development of a GIS-Based Information System for Watershed Monitoring in Mato Grosso, Central Brazil. Pesquisas Em Geociencias, 2008, 35, 23.	0.1	3
4213	Soil Erosion and Sediment Yield Analysis Using Prototype & Enhanced SATEEC GIS System Models. International Journal of Advanced Remote Sensing and GIS, 2016, 5, 1471-1482.	0.2	5
4214	Modelling of Spatially Distributed Surface Runoff and Infiltration in the Olifants River Catchment/Water Management Area Using GIS. International Journal of Advanced Remote Sensing and GIS, 2015, 4, 828-862.	0.2	9
4215	Testing a river basin model with sensitivity analysis and autocalibration for an agricultural catchment in SW Finland. Agricultural and Food Science, 2009, 18, 428-439.	0.3	9
4216	Modelagem hidrol \tilde{A}^3 gica sob mudan \tilde{A} sas na cobertura vegetal de uma bacia hidrogr \tilde{A}_i fica no Nordeste do Brasil. Journal of Environmental Analysis and Progress, 2017, 2, 239.	0.0	4

#	Article	IF	CITATIONS
4217	Modeling runoff response to land-use changes using the SWAT model in the Mundaú watershed, Brazil. Journal of Environmental Analysis and Progress, 2020, 5, 194-206.	0.0	3
4218	The contribution of remote sensing in hydraulics and hydrology, analysis and evaluation of digital terrain model for flood risk mapping. Journal of Water and Land Development, 2018, 39, 17-26.	0.9	5
4219	Hydrological modeling using the SWAT model based on two types of data from the watershed of Beni Haroun dam, Algeria. Journal of Water and Land Development, 2019, 43, 76-89.	0.9	9
4220	Erosion and sediment transport modelling in Northern Puglia watersheds. , 2010, , .		4
4221	Modelling soil erosion and sediment transport under different land management options in a southern-italy watershed. International Journal of Safety and Security Engineering, 2013, 3, 116-127.	0.5	1
4223	Simulation of water cycle components in the Narmada River basin by forcing SWAT model with CFSR data. Meteorology Hydrology and Water Management, 2018, 6, 13-25.	0.4	6
4224	Future impacts of land use and climate change on extreme runoff values in selected catchments of Slovakia. Meteorology Hydrology and Water Management, 2019, 7, .	0.4	11
4226	Analysis of Streamflow Response to Changing Climate Conditions Using SWAT Model. Civil Engineering Journal (Iran), 2020, 6, 194-209.	1.2	99
4227	Improving River Flow Simulation Using a Coupled Surface-Groundwater Model for Integrated Water Resources Management. , 0, , .		15
4228	Climate change impact on groundwater recharge and suggested adaptation strategies for selected Asian cities. APN Science Bulletin, 2018, 8, .	0.2	6
4229	Decision support for agricultural water management. Global Nest Journal, 2013, 14, 255-263.	0.3	1
4230	Effect of DEM data resolution on low relief region sub-watershed boundaries delineating using of SWAT model and DEM derived from CARTOSAT-1 (IRS-P5), SRTM and ASTER. Journal of Applied and Natural Science, 2014, 6, 144-151.	0.2	9
4231	Experiences of inter- and transdisciplinary research – a trajectory of knowledge integration within a large research consortium. Erdkunde, 2017, 71, 177-193.	0.4	15
4236	Agro-environmental risk evaluation by a spatialised multi-criteria modelling combined with the PIXAL method. Revue Internationale De Géomatique, 2013, 23, 39-70.	0.2	5
4237	Simulated Impacts of Climate Change on Surface Water Yields over the Sondu Basin in Kenya. International Journal for Innovation Education and Research, 2016, 4, 161-173.	0.0	2
4238	Structural improvement of a kinematic wave-based distributed hydrologic model to estimate long-term river discharge in a tropical climate basin. Hydrological Research Letters, 2020, 14, 104-110.	0.3	3
4239	Water Framework Directive and Modelling Using PEGOPERA Simulation Software. Journal of Modeling and Optimization, 2019, 11, 36-50.	0.8	4
4240	THE ROLE OF PALAEOLIMNOLOGY IN IMPLEMENTING THE WATER FRAMEWORK DIRECTIVE IN IRELAND. Biology and Environment, 2009, 109, 161-174.	0.2	6

#	Article	IF	Citations
4241	A review of phosphorus and sediment release from Irish tillage soils, the methods used to quantify losses and the current state of mitigation practice. Biology and Environment, 2012, 112, 1-27.	0.2	8
4242	Effect of a high-end CO2-emission scenario on hydrology. Climate Research, 2015, 64, 39-54.	0.4	19
4243	Projecting the future ecological state of lakes in Denmark in a 6 degree warming scenario. Climate Research, 2015, 64, 55-72.	0.4	52
4244	Simulating the Hydrologic Impact of Arundo donax Invasion on the Headwaters of the Nueces River in Texas. Hydrology, 2015, 2, 134-147.	1.3	6
4245	Assessment of TMPA 3B42V7 and PERSIANN-CDR in Driving Hydrological Modeling in a Semi-Humid Watershed in Northeastern China. Remote Sensing, 2020, 12, 3133.	1.8	11
4246	Identification of Critical Source Areas of Nitrogen Load in the Miyun Reservoir Watershed under Different Hydrological Conditions. Sustainability, 2020, 12, 964.	1.6	9
4247	A Comparison of Streamflow and Baseflow Responses to Land-Use Change and the Variation in Climate Parameters Using SWAT. Water (Switzerland), 2020, 12, 191.	1.2	36
4248	Spatiotemporal Impacts of Climate, Land Cover Change and Direct Human Activities on Runoff Variations in the Wei River Basin, China. Water (Switzerland), 2016, 8, 220.	1.2	40
4249	Análisis de la relación entre la conductividad hidráulica efectiva y la curva número bajo dos intensidades de lluvia. Cuadernos Del CURIHAM, 0, 24, 1-10.	0.0	2
4250	Calibration and Validation of HSPF Mode1 to Estimate the Pollutant Loads from Rural Small Watershed. Journal of Korea Water Resources Association, 2004, 37, 643-651.	0.3	3
4251	Watershed Modeling for Assessing Climate Change Impact on Stream Water Quality of Chungju Dam Watershed. Journal of Korea Water Resources Association, 2009, 42, 877-889.	0.3	21
4252	Development of Continuous Rainfall-Runoff Model for Flood Forecasting on the Large-Scale Basin. Journal of Korea Water Resources Association, 2011, 44, 51-64.	0.3	13
4253	Analysis of Effects of Groundwater Abstraction on Streamflow for Sinduncheon Watershed. Journal of Korea Water Resources Association, 2012, 45, 1259-1273.	0.3	12
4254	Impact of Climate Change on Runoff in Namgang Dam Watershed. Journal of Korea Water Resources Association, 2012, 45, 517-529.	0.3	6
4255	Comparing Prediction Uncertainty Analysis Techniques of SWAT Simulated Streamflow Applied to Chungju Dam Watershed. Journal of Korea Water Resources Association, 2012, 45, 861-874.	0.3	3
4256	Water Supply Change Outlook for Geum River Basin Considering RCP Climate Change Scenario. Journal of Korea Water Resources Association, 2013, 46, 505-517.	0.3	15
4257	Efficient Uncertainty Analysis of TOPMODEL Using Particle Swarm Optimization. Journal of Korea Water Resources Association, 2014, 47, 285-295.	0.3	1
4258	A Comparison Study of Runoff Projections for Yongdam Dam Watershed Using SWAT. Journal of Korea Water Resources Association, 2015, 48, 439-449.	0.3	4

#	Article	IF	CITATIONS
4259	One-month lead dam inflow forecast using climate indices based on tele-connection. Journal of Korea Water Resources Association, 2016, 49, 361-372.	0.3	8
4261	Exploring the Variability in Suspended Sediment Yield using BASINS-HSPF and Probabilistic Modeling: Implications for Land Use Planning. Journal of Environmental Informatics, 2007, 9, 29-40.	6.0	7
4262	Assessing the Effects of Land Use Changes on Non-Point Source Pollution Reduction for the Three Gorges Watershed Using the SWAT Model. Journal of Environmental Informatics, 2013, 22, 13-26.	6.0	24
4263	Quantification of Uncertainty Propagation Effects during Statistical Downscaling of Precipitation and Temperature to Hydrological Modeling. Journal of Environmental Informatics, 0, , .	6.0	7
4264	The Hillslope Length Impact on SWAT Streamflow Prediction in Large Basins. Journal of Environmental Informatics, 0, , .	6.0	9
4265	Water Quality Management of a Cold Climate Region Watershed in Changing Climate. Journal of Environmental Informatics, 0, , .	6.0	25
4266	A Review on Theoretical Consideration and Types of Models in Hydrology. Journal of Environmental Science and Technology, 2012, 5, 249-261.	0.3	70
4267	Preliminary in vivo Antimalarial Screening of Petroleum Ether, Chloroform and Methanol Extracts of Fifteen Plants Grown in Nigeria. Journal of Pharmacology and Toxicology, 2008, 3, 254-260.	0.4	21
4268	The Impact of DEM Resolution on Runoff and Sediment Modelling Results. Research Journal of Environmental Sciences, 2011, 5, 691-702.	0.5	22
4271	Using the Regional Ocean Modelling System (ROMS) to improve the sea surface temperature predictions of the MERCATOR Ocean System. Scientia Marina, 2012, 76, 165-175.	0.3	13
4273	Modelagem hidrossedimentológica de bacia hidrográfica na região sudeste do Brasil, utilizando o SWAT. Revista Ambiente & Ãgua, 2010, 5, 158-174.	0.1	11
4274	Land use and water quality in watersheds in the State of São Paulo, based on GIS and SWAT data. Revista Ambiente & Agua, 2019, 14, 1.	0.1	2
4275	Evaluation of Swat Performance on a Mountainous Watershed in Tropical Africa. Hydrology Current Research, 0, s3, .	0.4	6
4276	On the Use of Landsat-5 TM Satellite for Assimilating Water Temperature Observations in 3D Hydrodynamic Model of Small Inland Reservoir in Midwestern US. Advances in Remote Sensing, 2013, 02, 214-227.	0.2	7
4277	Assessment of Land-Use and Land Cover Change Effect on Melka Wakena Hydropower Dam in Melka Wakena Catchment of Sub-Upper Wabe-Shebelle Watershed, South Eastern Ethiopia. Agricultural Sciences, 2019, 10, 819-840.	0.2	4
4278	Annual Runoff and Sediment in Duhok Reservoir Watershed Using SWAT and WEPP Models. Engineering, 2016, 08, 410-422.	0.4	3
4279	Model-Based Assessment of Climate Change Impact on Isaac River Catchment, Queensland. Engineering, 2016, 08, 460-470.	0.4	1
4280	Flow Variation of the Major Tributaries of Tigris River Due to Climate Change. Engineering, 2019, 11, 437-442.	0.4	5

#	Article	IF	CITATIONS
4281	Impact of Climate Change on Water Resources of Dokan Dam Watershed. Engineering, 2019, 11, 464-474.	0.4	9
4282	Stream-Flow Response to Climate Change and Human Activities in an Upstream Catchment of Huai River. Journal of Geoscience and Environment Protection, 2014, 02, 68-78.	0.2	1
4283	Modelling Soil Erosion and Sedimentation in the Oued Haricha Sub-Basin (Tahaddart Watershed,) Tj ETQq0 0 0 r 107-119.	gBT /Over 0.2	lock 10 Tf 50
4284	SWAT Model Prediction of Phosphorus Loading in a South Carolina Karst Watershed with a Downstream Embayment. Journal of Environmental Protection, 2013, 04, 75-90.	0.3	15
4285	Application of LiDAR Data for Hydrologic Assessments of Low-Gradient Coastal Watershed Drainage Characteristics. Journal of Geographic Information System, 2013, 05, 175-191.	0.3	11
4286	Quantifying Hydrologic and Water Quality Responses to Bioenergy Crops in Town Creek Watershed in Mississippi. Journal of Sustainable Bioenergy Systems, 2013, 03, 202-208.	0.2	8
4287	Sensitivity Analysis and Evaluation of Forest Biomass Production Potential Using SWAT Model. Journal of Sustainable Bioenergy Systems, 2014, 04, 136-147.	0.2	7
4288	SWAT Model Application to Assess the Impact of Intensive Corn-farming on Runoff, Sediments and Phosphorous loss from an Agricultural Watershed in Wisconsin. Journal of Water Resource and Protection, 2012, 04, 423-431.	0.3	20
4289	Comparison of Potential Bio-Energy Feedstock Production and Water Quality Impacts Using a Modeling Approach. Journal of Water Resource and Protection, 2012, 04, 763-771.	0.3	7
4290	Spatial Estimation of Soil Erosion Risk Using RUSLE Approach, RS, and GIS Techniques: A Case Study of Kufranja Watershed, Northern Jordan. Journal of Water Resource and Protection, 2013, 05, 1247-1261.	0.3	94
4291	Evaluating the Impacts of Forest Clear Cutting on Water and Sediment Yields Using SWAT in Mississippi. Journal of Water Resource and Protection, 2013, 05, 474-483.	0.3	19
4292	Discharge Simulation in a Data-Scarce Basin Using Reanalysis and Global Precipitation Data: A Case Study of the White Volta Basin. Journal of Water Resource and Protection, 2014, 06, 1316-1325.	0.3	13
4293	Modeling Water Quality Impacts of Growing Corn, Switchgrass, and & Samp; It; I & Samp; I & S	0.3	18
4294	Turkey Creek—A Case Study of Ecohydrology and Integrated Watershed Management in the Low-Gradient Atlantic Coastal Plain, USA. Journal of Water Resource and Protection, 2015, 07, 792-814.	0.3	10
4295	Sediment Yield Dynamics during the 1950s Multi-Year Droughts from Two Ungauged Basins in the Edwards Plateau, Texas. Journal of Water Resource and Protection, 2015, 07, 1345-1362.	0.3	4
4297	Applicability of Galway River Flow Forecasting and Modeling System (GFFMS) for Lake Tana Basin, Ethiopia. Journal of Water Resource and Protection, 2017, 09, 1319-1334.	0.3	4
4298	Implications of Different DEMs on Watershed Runoffs Estimations. Journal of Water Resource and Protection, 2019, 11, 448-467.	0.3	4
4299	Modeling Stream Flow Using SWAT Model in the Bina River Basin, India. Journal of Water Resource and Protection, 2020, 12, 203-222.	0.3	7

#	ARTICLE	IF	CITATIONS
4300	Assessing the Impact of Land-Use Land-Cover Change on Stream Water and Sediment Yields at a Watershed Level Using SWAT. Open Journal of Modern Hydrology, 2015, 05, 68-85.	0.4	19
4301	Development of Water Quality Modeling in the United States. Environmental Engineering Research, 2009, 14, 200-210.	1.5	39
4302	Bankfull discharge estimation for Fishpot Creek. Technium: Romanian Journal of Applied Sciences and Technology, 2020, 2, 74-91.	0.2	1
4303	Assessment of nutrient entry pathways and dominating hydrological processes in lowland catchments. Advances in Geosciences, 0, 11, 107-112.	12.0	19
4304	Development and application of the modelling system J2000-S for the EU-water framework directive. Advances in Geosciences, 0, 11, 123-130.	12.0	26
4305	Application of two phosphorus models with different complexities in a mesoscale river catchment. Advances in Geosciences, 0, 11, 77-84.	12.0	7
4306	Impacts of global change on water-related sectors and society in a trans-boundary central European river basin $\hat{a} \in \text{Part 2: from eco-hydrology to water demand management. Advances in Geosciences, 0, 11, 93-99.}$	12.0	4
4307	A method to assess instream water quality $\hat{a}\in$ " the role of nitrogen entries in a North German rural lowland catchment. Advances in Geosciences, 0, 18, 37-41.	12.0	13
4308	Advances and visions in large-scale hydrological modelling: findings from the 11th Workshop on Large-Scale Hydrological Modelling. Advances in Geosciences, 0, 18, 51-61.	12.0	22
4309	Ecohydrological modelling of water discharge and nitrate loads in a mesoscale lowland catchment, Germany. Advances in Geosciences, 0, 21, 49-55.	12.0	11
4310	Comparing model sensitivities of different landscapes using the ecohydrological SWAT model. Advances in Geosciences, 0, 21, 91-98.	12.0	43
4311	Multi-model data fusion as a tool for PUB: example in a Swedish mesoscale catchment. Advances in Geosciences, 0, 29, 43-50.	12.0	5
4312	Integrating heterogeneous landscape characteristics into watershed scale modelling. Advances in Geosciences, 0, 31, 31-38.	12.0	4
4313	Determining agricultural land use scenarios in a mesoscale Bavarian watershed for modelling future water quality. Advances in Geosciences, 0, 31, 9-14.	12.0	2
4314	SWAT model calibration of a grid-based setup. Advances in Geosciences, 0, 32, 55-61.	12.0	18
4315	A modeling framework to assess water and nitrate balances in the Western Bug river basin, Ukraine. Advances in Geosciences, 0, 32, 85-92.	12.0	6
4316	Evaluating the SWAT model to predict streamflow, nitrate loadings and crop yields in a small agricultural catchment. Advances in Geosciences, 0, 48, 1-9.	12.0	15
4317	Modelling of point and non-point source pollution of nitrate with SWAT in the river Dill, Germany. Advances in Geosciences, 0, 5, 7-12.	12.0	26

#	Article	IF	CITATIONS
4320	Deriving a dataset for agriculturally relevant soils from the Soil Landscapes of Canada (SLC) database for use in Soil and Water Assessment Tool (SWAT) simulations. Earth System Science Data, 2018, 10, 1673-1686.	3.7	14
4321	A 439-year simulated daily discharge dataset (1861–2299) for the upper Yangtze River, China. Earth System Science Data, 2020, 12, 387-402.	3.7	7
4322	CPLFD-GDPT5: High-resolution gridded daily precipitation and temperature data set for two largest Polish river basins. Earth System Science Data, 2016, 8, 127-139.	3.7	56
4324	A distributed simple dynamical systems approach (dS2 $v1.0$) for computationally efficient hydrological modelling at high spatio-temporal resolution. Geoscientific Model Development, 2020, 13, 6093-6110.	1.3	4
4325	Future directions for hydropedology: quantifying impacts of global change on land use. Hydrology and Earth System Sciences, 2009, 13, 1427-1438.	1.9	9
4326	Semiarid watershed response in central New Mexico and its sensitivity to climate variability and change. Hydrology and Earth System Sciences, 2009, 13, 715-733.	1.9	18
4330	Assessing the impact of seasonal-rainfall anomalies on catchment-scale water balance components. Hydrology and Earth System Sciences, 2020, 24, 3211-3227.	1.9	9
4331	Hydrological evaluation of open-access precipitation data using SWAT at multiple temporal and spatial scales. Hydrology and Earth System Sciences, 2020, 24, 3603-3626.	1.9	34
4382	Model to assess the impacts of external drivers on the hydrology of the Ganges River Basin. Proceedings of the International Association of Hydrological Sciences, 0, 364, 76-81.	1.0	4
4383	Assessing the hydrological impacts of agricultural changes upstream of the Tunisian World Heritage sea-connected Ichkeul Lake. Proceedings of the International Association of Hydrological Sciences, 0, 365, 61-65.	1.0	11
4384	Effect of length of the observed dataset on the calibration of a distributed hydrological model. Proceedings of the International Association of Hydrological Sciences, 0, 368, 305-311.	1.0	9
4385	Estimation of long-term nutrient loadings into a hyper eutrophic artificial lake in a lowland catchment, western Japan. Proceedings of the International Association of Hydrological Sciences, 0, 368, 337-342.	1.0	1
4386	Natural streamflow simulation for two largest river basins in Poland: a baseline for identification of flow alterations. Proceedings of the International Association of Hydrological Sciences, 0, 373, 101-107.	1.0	4
4387	East African wetland-catchment data base for sustainable wetland management. Proceedings of the International Association of Hydrological Sciences, 0, 374, 123-128.	1.0	14
4388	Evaluation of blue and green water resources in the upper Yellow River basin of China. Proceedings of the International Association of Hydrological Sciences, 0, 379, 159-167.	1.0	4
4389	Multi-model ensemble hydrological simulation using a BP Neural Network for the upper Yalongjiang River Basin, China. Proceedings of the International Association of Hydrological Sciences, 0, 379, 335-341.	1.0	6
4390	Understanding the Impacts of Climate Change in the Tana River Basin, Kenya. Proceedings of the International Association of Hydrological Sciences, 0, 379, 37-42.	1.0	4
4391	Modeling hydrologic processes and potential responses to climate change in an agro-silvo-pastoral watershed in the Mediterranean area. Proceedings of the International Association of Hydrological Sciences, 0, 383, 151-158.	1.0	1

#	Article	IF	CITATIONS
4392	Climate change impact on water resources in Klong Yai River Basin, Thailand. Proceedings of the International Association of Hydrological Sciences, 0, 383, 355-365.	1.0	2
4396	Development and Application of SATEEC L Module for Slope Length Adjustment Based on Topography Change. Korean Journal of Environmental Agriculture, 2009, 28, 113-124.	0.0	4
4397	Performance Evaluation of Porous Hwang-toh Concrete Using Blast Furnace Slag Cement. Journal of the Korean Society of Agricultural Engineers, 2010, 52, 9-17.	0.1	9
4398	Water Quality Prediction at Mandae Watershed using SWAT and Water Quality Improvement with Vegetated Filter Strip. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 37-45.	0.1	20
4399	Evaluation of MODIS Gross Primary Production (GPP) by Comparing with GPP from CO ₂ Flux Data Measured in a Mixed Forest Area. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 1-8.	0.1	5
4400	Climate and Land use Changes Impacts on Hydrology in a Rural Small Watershed. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 75-84.	0.1	5
4401	Evaluation of SWAT Flow and Sediment Estimation and Effects of Soil Erosion Best Management Practices. Journal of the Korean Society of Agricultural Engineers, 2012, 54, 99-108.	0.1	3
4402	Hourly SWAT Watershed Modeling for Analyzing Reduction Effect of Nonpoint Source Pollution Discharge Loads. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 89-97.	0.1	1
4403	Assessing Applicability of SWAT Calibrated at Multiple Spatial Scales from Field to Stream. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 21-39.	0.1	2
4404	Assessing the Climate Change Impacts on Agricultural Reservoirs using the SWAT model and CMIP5 GCMs. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 1-12.	0.1	4
4405	Assessment of the Impacts of Climate Change on Hydrological Characteristics of the Mbarali River Sub Catchment Using High Resolution Climate Simulations from CORDEX Regional Climate Models. Applied Physics Research, 2018, 10, 61.	0.2	5
4406	Impact of Global Climate Change on Stream Low Flows in a Hydraulic Fracking Affected Watershed. Journal of Water Resource and Hydraulic Engineering, 2016, 5, 1-19.	0.2	2
4407	Hydrological Modeling of Mahi Basin Using SWAT. Journal of Water Resource and Hydraulic Engineering, 2016, 5, 68-79.	0.2	8
4409	Verification of Cau River biochemical water quality forecasted from local governments' socioeconomic projections in Bac Kan and Thai Nguyen provinces, Vietnam. Revue Des Sciences De L'Eau, 0, 31, 315-325.	0.2	1
4410	Evaluation of CANWET model for hydrologic simulations for upper Canagagigue Creek watershed in southern Ontario. Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada, 2012, 54, 1.7-1.18.	0.3	4
4411	Comparing CMIP-3 and CMIP-5 climate projections on flooding estimation of Devils Lake of North Dakota, USA. PeerJ, 2018, 6, e4711.	0.9	12
4412	The impact of climate change on flow conditions and wetland ecosystems in the Lower Biebrza River (Poland). PeerJ, 2020, 8, e9778.	0.9	5
4413	Effect of Rainfall Intensity, Soil Slope and Geology on Soil Erosion. Journal of Engineering Geology, 2014, 24, 69-79.	0.1	7

#	Article	IF	Citations
4414	Plant Parameters for Plant Functional Groups of Western Rangelands to Enable Process-based Simulation Modeling. American Journal of Experimental Agriculture, 2014, 4, 746-766.	0.2	5
4415	Identification of Critical Diffuse Pollution Sources in an Ungauged Catchment by Using the Swat Model- A Case Study of Kolleru Lake, East Coast of India. Asian Journal of Geographical Research, 0, , 53-68.	0.0	4
4416	Stream Flow Response to Skilled and Non-linear Bias Corrected GCM Precipitation Change in the Wami River Sub-basin, Tanzania. British Journal of Environment and Climate Change, 2014, 4, 389-408.	0.3	13
4417	Assessing sediment yield and streamflow with SWAT model in a small sub-basin of the Cantareira System. Revista Brasileira De Ciencia Do Solo, 2021, 45, .	0.5	3
4418	Evaluation of the effects of transplanting date shifts and drainage outlet raising management practices in paddy farming regions under future climates using coupled APEX-Paddy and SWAT models. Paddy and Water Environment, 2021, 19, 553-567.	1.0	4
4419	Daily Estimation of Inland Water Storage in the Madeira Basin During the Last Twenty Years (1998–2018). , 2021, , .		0
4420	Modeling future flood frequency under CMIP5 Scenarios in Hare watershed, Southern Rift Valley of Ethiopia. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
4421	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
4422	A preliminary investigation on the climate-discharge relationship in the upper region of the Yarlung Zangbo River basin. Journal of Hydrology, 2021, 603, 127066.	2.3	11
4423	Hierarchical Clustering for Paired Watershed Experiments: Case Study in Southeastern Arizona, U.S.A Water (Switzerland), 2021, 13, 2955.	1.2	4
4424	Exploring and Predicting the Individual, Combined, and Synergistic Impact of Land-Use Change and Climate Change on Streamflow, Sediment, and Total Phosphorus Loads. Frontiers in Environmental Science, 2021, 9, .	1.5	5
4425	A Review on Snowmelt Models: Progress and Prospect. Sustainability, 2021, 13, 11485.	1.6	19
4426	Satellite remote sensing analysis to monitor revegetation in the Yangtze River Basin, China. Land Degradation and Development, 0, , .	1.8	2
4427	A scenario-based coupled SWAT-MODFLOW decision support system for advanced water resource management. Journal of Hydroinformatics, 2022, 24, 56-77.	1.1	5
4428	Predicting long-term hydrological change caused by climate shifting in the 21st century in the headwater area of the Yellow River Basin. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1651-1668.	1.9	10
4429	A decision support system framework for strategic water resources planning and management under projected climate scenarios for a reservoir complex. Journal of Hydrology, 2021, 603, 127051.	2.3	8
4430	Effects of climate and land use changes on water quantity and quality of coastal watersheds of Narragansett Bay. Science of the Total Environment, 2022, 807, 151082.	3.9	14
4431	Impacts of climate change on groundwater in the Great Lakes Basin: A review. Journal of Great Lakes Research, 2021, 47, 1613-1625.	0.8	16

#	Article	IF	CITATIONS
4432	Unexpected River Water Quality Deterioration Due to Stormwater Management in an Urbanizing Watershed. Water Resources Research, 2021, 57, e2021WR030181.	1.7	10
4433	Evaluation of the CRU TS3.1, APHRODITE_V1101, and CFSR Datasets in Assessing Water Balance Components in the Upper Vakhsh River Basin in Central Asia. Atmosphere, 2021, 12, 1334.	1.0	3
4434	Effect of GCM credibility on water resource system robustness under climate change based on decision scaling. Advances in Water Resources, 2021, 158, 104063.	1.7	9
4435	Impacts of urbanization and climate change on water quantity and quality in the Carp River watershed. Journal of Water and Climate Change, 2022, 13, 786-816.	1.2	10
4436	Evaluation of Ecosystem-Based Adaptation Measures for Sediment Yield in a Tropical Watershed in Thailand. Water (Switzerland), 2021, 13, 2767.	1.2	7
4437	Effects of temporal resolution of river routing on hydrologic modeling and aquatic ecosystem health assessment with the SWAT model. Environmental Modelling and Software, 2021, 146, 105232.	1.9	7
4438	Soft Data in Hydrologic Modeling: Prediction of Ecologically Relevant Flows with Alternate Land Use/Land Cover Data. Water (Switzerland), 2021, 13, 2947.	1.2	2
4439	Impacts of forestation on the annual and seasonal water balance of a tropical catchment under climate change. Forest Ecosystems, 2021, 8, .	1.3	3
4440	Relating Land Use/Cover and Landscape Pattern to the Water Quality under the Simulation of SWAT in a Reservoir Basin, Southeast China. Sustainability, 2021, 13, 11067.	1.6	3
4441	Temporal Scaleâ€Dependent Sensitivity Analysis for Hydrological Model Parameters Using the Discrete Wavelet Transform and Active Subspaces. Water Resources Research, 2021, 57, e2020WR028511.	1.7	12
4442	Future precipitation in a Mediterranean island and streamflow changes for a small basin using EURO-CORDEX regional climate simulations and the SWAT model. Journal of Hydrology, 2021, 603, 127025.	2.3	15
4443	From hillslopes to watersheds: Variability in model outcomes with the USLE. Environmental Modelling and Software, 2021, 146, 105229.	1.9	7
4444	Blue water footprint caps per sub-catchment to mitigate water scarcity in a large river basin: The case of the Yellow River in China. Journal of Hydrology, 2021, 603, 126992.	2.3	14
4445	Assessment of Low-Impact development for managing aquatic ecosystem. Ecological Indicators, 2021, 132, 108235.	2.6	7
4446	Depopulation impacts on ecosystem services in Mediterranean rural areas. Ecosystem Services, 2021, 52, 101369.	2.3	33
4447	Performance dependence of multi-model combination methods on hydrological model calibration strategy and ensemble size. Journal of Hydrology, 2021, 603, 127065.	2.3	19
4449	Applications of Models with Different Spatial Scales. , 2002, , .		4
4450	A Multiobjective SDSS for Management of Urbanizing Watersheds: The Case of the Lower Kaskaskia Basin, Illinois. , 2003, , .		O

#	ARTICLE	IF	CITATIONS
4451	Successfully Managing Multiple Uses of Water., 2004, , 113-131.		0
4452	Mesoskalige Landschaftsanalyse auf Basis von Untersuchungen des Landschaftshaushaltes. , 2004, , 171-205.		O
4453	Neural Network Modelling of Sediment Supply and Transfer. , 2004, , 225-242.		0
4454	Evaluation of SWAT Input Parameter Sensitivity for the Little River Watershed., 2005, , .		2
4455	Understanding Ancient Societies: A New Approach Using Agent-Based Holistic Modeling. Structure and Dynamics: EJournal of the Anthropological and Related Sciences, 2005, 1 , .	0.1	5
4456	Sensitivity of the swat model to soil organic carbon content: A Lake Balaton catchment case study. Cereal Research Communications, 2005, 33, 297-300.	0.8	2
4457	Downstream Response of Runoff, Sediment, and Phosphorous to Spatial Variations in Conservation Practice Implementation. , 2005, , .		1
4458	Streamflow Estimation for Subbasins of Gap Stream Watershed by Using SWAT2000 Model. Journal of the Korean Society of Agricultural Engineers, 2006, 48, 29-38.	0.1	2
4459	Modeling Phosphorus with the Generalized Watershed Loading Functions (GWLF) Model. , 2006, , 277-297.		0
4460	Modeling Phosphorus with Hydrologic Simulation Program-Fortran. , 2006, , 189-214.		0
4461	Suggestions to Improve Modeling of Phosphorus. , 2006, , 405-415.		2
4462	Evaluation of SWAT2000 Model Application for Estimating Delivered Nutrients Load for the Gap Stream Watershed. Journal of the Korean Society of Agricultural Engineers, 2006, 48, 89-100.	0.1	1
4463	Modeling Phosphorus Movement from Agriculture to Surface Waters., 2006,, 15-32.		2
4467	Environmental and Ecological Benefits of Soil Carbon Management. , 2007, , 209-233.		0
4468	Temporal and Spatial Characteristics of Sediment Yields from the Chungju Dam Upstream Watershed. Journal of Korea Water Resources Association, 2007, 40, 887-898.	0.3	4
4470	Study on the Intra-Annual Distribution Characteristics of the Water Budget in the Hilly Region of Red Soil in Northeast Jiangxi Province, China. , 2007, , 89-100.		0
4471	Spatially Distributed Watershed Model of Water and Materials Runoff., 2007, , 129-142.		0
4473	Estimating Nonpoint Source Pollution Loadings in the Great Lakes Watersheds. , 2007, , 145-158.		0

#	Article	IF	CITATIONS
4474	Overview of the hydrological modeling of small coastal watersheds on tropical islands. WIT Transactions on State-of-the-art in Science and Engineering, 2008, , 1-35.	0.0	3
4475	Simulated Soil Water Content Effect on Plant Nitrogen Uptake and Export for Watershed Management., 2008,, 277-304.		O
4476	BASINS: Better Assessment Science Integrating Point and Nonpoint Sources., 2009, , 1-24.		3
4477	Comparative Analysis of SWAT Generated Streamflow and Stream Water Quality Using Different Spatial Resolution Data. Journal of Korea Water Resources Association, 2008, 41, 1079-1094.	0.3	3
4478	Evolutionary Regression Modeling with Active Learning: An Application to Rainfall Runoff Modeling. Lecture Notes in Computer Science, 2009, , 548-558.	1.0	5
4480	Three-dimensional Sensitivity Analysis of Dynamic Agricultural Nonpoint Source Assessment Tool (DANSAT). Journal of the Korean Society of Agricultural Engineers, 2009, 51, 41-52.	0.1	1
4481	Auto-calibration for the SWAT Model Hydrological Parameters Using Multi-objective Optimization Method. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 1-9.	0.1	3
4483	Development of a Comprehensive Modeling System for Assessing Impact of Temporally and Spatially Changing BMP. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 15-27.	0.1	2
4485	Uncertainty Analysis of SWAT Model using Monte Carlo Technique and Ensemble Flow Simulations. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 57-66.	0.1	0
4486	Decision of Critical Area Due to NPS Pollutant Loadings from Kyongan Stream Watershed using BASINS-SWAT. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 69-78.	0.1	2
4487	Assessment of the Impacts of the Impervious Surface Change in the Farm Region on Watershed Hydrology. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 17-23.	0.1	1
4488	Development of Web-GIS based SWAT Data Generation System. Journal of the Korean Society of Agricultural Engineers, 2009, 51, 1-9.	0.1	2
4489	Development of the SWAT DWDM for Accurate Estimation of Soil Erosion from an Agricultural field. Journal of the Korean Society of Agricultural Engineers, 2010, 52, 79-88.	0.1	3
4490	Exploring Impacts of Land Use Change on Sediment Erosion in the Cayuga Creek Watershed, Niagara Falls, New York, using BASINS SWAT. Journal of Water Management Modeling, 2010, , .	0.0	2
4492	Analysis of Soil Erosion Reduction Effect of Rice Straw Mat by the SWAT Model. Journal of the Korean Society of Agricultural Engineers, 2010, 52, 97-104.	0.1	6
4495	A Study on the Discharge Characteristics of Pollutant Loads in Small Watershed According to the Probability Rainfall. Journal of the Korean Society of Agricultural Engineers, 2010, 52, 75-83.	0.1	O
4496	A New Soil Erosion Model for Hilly Region Based on Information Technology. Communications in Computer and Information Science, 2011, , 473-483.	0.4	0
4497	Development and Application of the SWAT HRU Mapping Module for Estimation of Groundwater Pollutant Loads for Each HRU in the SWAT Model. Journal of Environmental Policy, 2011, 10, 49-70.	0.2	O

#	Article	IF	Citations
4498	Development of Real-Time River Flow Forecasting Model with Data Assimilation Technique. Journal of Korea Water Resources Association, 2011, 44, 199-208.	0.3	2
4499	Evaluation of Effects of Soil Erosion Estimation Accuracy on Sediment Yield with SATEEC L Module. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 19-26.	0.1	1
4500	Use of a distributed catchment model to assess hydrologic modifications in the Upper Ganges Basin. , 2011, , .		0
4501	SYNTHESIS, CONCLUSIONS AND RECOMMENDATIONS. , 2011, , 159-164.		0
4502	Gis – Based Sediment Assessment Tools In And Around Chamarajanagar District. Indian Journal of Applied Research, 2011, 1, 49-51.	0.0	0
4503	Applicability of Satellite SAR Imagery for Estimating Reservoir Storage. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 7-16.	0.1	2
4505	The effect of discretization of hydrologic response units on the performance of SWAT model in simulating flow and evapotranspiration. , 0 , , .		0
4506	A two-way calibration of the SWAT and OneLay/PolTra models using integrated modelling approach for the Lake Winnipeg Basin. , 0, , .		0
4507	Assessment of nutrient and sediment loads in the Yarra River Catchment. , 0 , , .		2
4508	Managing the Effects of the Climate Change on Water Resources and Watershed Ecology. , 0, , .		1
4510	Resilience, reliability and risk analyses of maize, sorghum and sunflower in rain-fed systems using a soil moisture modeling approach. Agricultural Sciences, 2012, 03, 114-123.	0.2	2
4511	Quantifying Soil Moisture Distribution at a Watershed Scale. , 0, , .		0
4512	Runoff Curve Number and Saturated Hydraulic Conductivity Estimation via Direct Rainfall Simulator Measurements. Journal of Water Management Modeling, 2012, , .	0.0	1
4513	Landscape Planning landscape planning for Sustainable Water Usage landscape planning for sustainable water usage., 2012,, 5817-5835.		0
4514	Effects of climate change on nutrient discharges in suburban watershed. Japanese Journal of Limnology, 2012, 73, 235-254.	0.1	2
4515	Estimation of Runoff Unit Area Loads for Nutrients from Forest and Sloping Field using SWAT model in Bonggok Stream Watershed. Journal of the Korean Society of Agricultural Engineers, 2012, 54, 137-145.	0.1	O
4516	Identification of critical source areas of soil erosion on moderate fine spatial scale in Loess Plateau in China. African Journal of Agricultural Research Vol Pp, 2012, 7, .	0.2	0
4517	Modeling daily stream flow using plant evapotranspiration method. International Journal of Water Resources and Environmental Engineering, 2012, 4, .	0.2	1

#	Article	IF	CITATIONS
4518	Regionalization of meso-scale physically based nitrogen modeling outputs to the macro-scale by the use of regression trees. Advances in Geosciences, 0, 31, 15-21.	12.0	1
4519	Estimation of Upstream Ungauged Watershed Streamflow using Downstream Discharge Data. Journal of the Korean Society of Agricultural Engineers, 2012, 54, 169-176.	0.1	3
4520	Landscape Planning landscape planning for Sustainable Water Usage landscape planning for sustainable water usage., 2013,, 355-372.		0
4521	BMP Evaluation for Nutrient Control in a Subtropical Reservoir Watershed Using SWAT Model. , 2013,		2
4522	Runoff Response of Zamu River Basin to IPCC Climate Change Scenarios in Northwest China. Communications in Computer and Information Science, 2013, , 223-231.	0.4	0
4523	Assessment of spatial and temporal changes of ecological status of streams in Czechia: a geographical approach. Geografie-Sbornik CGS, 2013, 118, 309-333.	0.3	2
4525	Sustainable Land Use and Watershed Management in Response to Climate Change Impacts. , 2013, , 2080-2101.		0
4527	Prediction of Water Quality Effect of Watershed Runoff Change in Doam Reservoir. Journal of the Korean Society of Civil Engineers, 2013, 33, 975-985.	0.1	1
4528	Simulation of Groundwater Variation Characteristics of Hancheon Watershed in Jeju Island using Integrated Hydrologic Modeling. Journal of Environmental Science International, 2013, 22, 515-522.	0.0	5
4529	Impact of Changes in Climate and Land Use/Land Cover Change Under Climate Change Scenario on Streamflow in the Basin. Journal of Korean Society for Geospatial Information Science, 2013, 21, 107-116.	0.2	4
4532	Assessment of Streamflow Depletion Due to Groundwater Pumping from a Well. Journal of Korea Water Resources Association, 2013, 46, 1079-1088.	0.3	5
4533	GEOGRAPHICAL INFORMATION SYSTEM (GIS) FOR WATER RESOURCES MANAGEMENT. International Journal of Research in Engineering and Technology, 2013, 02, 417-422.	0.1	1
4536	Sensitivity analysis of SWAT model in the Yarra River catchment. , 0, , .		1
4537	An assessment of climate change impacts on streamflows in the Musi Catchment, India. , 0, , .		0
4539	Estimating nitrogen flux from a watershed using hydrological model. Journal of Japanese Association of Hydrological Sciences, 2014, 44, 207-223.	0.2	1
4541	- Applications of Biomass Production Modeling for Switchgrass. , 2014, , 387-408.		1
4542	African American Females: A Potential Link Between Vitamin D Insufficiency and Type-2 Diabetes. Journal of Nutritional Health & Food Engineering, 2014, 1, .	0.5	0
4544	Assessing Climate Change Impact on Hydrological Components of Yongdam Dam Watershed Using RCP Emission Scenarios and SWAT Model. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 19-29.	0.1	3

#	Article	IF	Citations
4546	SPATIAL DATA PROCESSING TOOLS AND APPLICATIONS FOR BLACK SEA CATCHMENT REGION. International Journal of Computing, 0, , 327-335.	1.5	3
4547	Applicability Analysis of Water Provisioning Services Quantification Models of Forest Ecosystem. Journal of the Korea Society of Environmental Restoration Technology, 2014, 17, 1-15.	0.1	3
4548	Projection of the Climate Change Effects on the Vertical Thermal Structure of Juam Reservoir. Journal of Korean Neuropsychiatric Association, 2014, 30, 491-502.	0.2	1
4549	Simulation of blue and green water resources in the Wei River basin, China. Proceedings of the International Association of Hydrological Sciences, 0, 364, 486-491.	1.0	1
4550	Impact of IPCC RCP Scenarios on Streamflow and Sediment in the Hoeya River Basin. Journal of Korean Society for Geospatial Information Science, 2014, 22, 11-19.	0.2	0
4551	Empirical Formula of Delay Time for Groundwater Recharge in the Representative Watersheds, Jeju Island. Journal of Korea Water Resources Association, 2014, 47, 743-752.	0.3	1
4552	A Review On Accuracy and Uncertainty of Spatial Data and Analyses with special reference to Urban and Hydrological Modelling. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-8, 171-178.	0.0	3
4554	Analysis of Effects on Soil Erosion Reduction of Various Best Management Practices at Watershed Scale. Journal of Korean Neuropsychiatric Association, 2014, 30, 638-646.	0.2	3
4556	Water Components Separation by SWAT Model in Taleghan, Iran. Springer Hydrogeology, 2015, , 79-105.	0.1	0
4557	Combining Landscape Segmentation and a Agroecosystem Simulation Model. GIS Applications in Agriculture Series, 2015, , 221-244.	0.3	0
4558	Integrating Land Use Change Influences in Watershed Model Simulations. GIS Applications in Agriculture Series, 2015, , 205-220.	0.3	0
4559	Predicting location and length of ephemeral gullies with a process-based Topographic Index model. Proceedings of the International Association of Hydrological Sciences, 0, 367, 93-98.	1.0	O
4560	Evaluation of Regression Models in LOADEST to Estimate Suspended Solid Load in Hangang Waterbody. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 37-45.	0.1	0
4561	Effect of NPS Loadings from Livestock on Small Watersheds. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 27-36.	0.1	1
4563	An evaluation of the effect of future climate on runoff in the Dongjiang River basin, South China. Proceedings of the International Association of Hydrological Sciences, 0, 368, 257-262.	1.0	0
4564	The Estimation and Analysis of Miryang Dam Inflow based on RCP Scenario. Journal of the Korea Academia-Industrial Cooperation Society, 2015, 16, 3469-3476.	0.0	3
4565	Potential Effects of Urban Growth under Urban Containment Policy on Streamflow in the Gyungan River Watershed, Korea. Journal of the Korean Society of Surveying Geodesy Photogrammetry and Cartography, 2015, 33, 163-172.	0.2	1
4566	Spatial Assessment of Effects of Near-Stream Groundwater Pumping on Streamflow Depletion. Journal of Korea Water Resources Association, 2015, 48, 545-552.	0.3	0

#	Article	IF	CITATIONS
4567	Can Watershed Models Aid in Determining Historic Lake Sediment Concentrations in Data-Scarce Areas?. Springer Geography, 2016, , 819-833.	0.3	0
4569	Assessment of Effects of Groundwater Pumping from Deep Aquifer on Streamflow Depletion. Journal of Korea Water Resources Association, 2015, 48, 769-779.	0.3	O
4570	Using R in Water Resources Education. International Journal for Innovation Education and Research, 2015, 3, 97-116.	0.0	7
4571	CLIMATE CHANGE EFFECT ON WATER RESOURCES USING CLIMATE MODEL DATA OF INDIAN RIVER BASIN. International Journal of Research in Engineering and Technology, 2015, 04, 150-154.	0.1	1
4572	Badanie wpå,ywu zmian wspóÅ,czynnika szorstkoÅ›ci na wielkość przepÅ,ywu obliczeniowego. Landform Analysis, 0, 30, 49-56.	0.0	0
4573	Hydrologic Modeling of Wetlands. , 2016, , 1-10.		0
4574	Calibration of Hydrological Streamflow Modeling Using MODIS. Journal of Geological Resource and Engineering, 2016, 4, .	0.1	0
4575	Agricultural land management and downstream water quality: Insights from Lake Erie. , 0, , .		0
4576	Watershed Management Practices in the Tropics. , 2016, , 1897-1915.		1
4577	Model-based Climate Change Impact Assessment on Water Resources of Kurdistan, Iraq. , 2016, , .		0
4578	Assessment of Climate Change Impact on Watershed Hydrology. , 2016, , 3-11.		1
4579	Evaluation of Modeling Approach for Suspended Sediment Yield Reduction by Surface Cover Material using Rice Straw at Upland Field. Journal of Korean Neuropsychiatric Association, 2016, 32, 108-114.	0.2	1
4580	Concepts and applications of the Flanders Hydrological Model environment. E3S Web of Conferences, 2016, 7, 04006.	0.2	0
4582	Application on One-at-a-Time Sensitivity Analysis of Semi-Distributed Hydrological Model in Tropical Watershed. International Journal of Engineering and Technology, 2016, 8, 132-136.	0.1	1
4583	Hydrological modeling of chaqchaq ungauged watershed using Arcswatmodel. Journal of Zankoy Sulaimani - Part A, 2016, 18, 219-231.	0.1	0
4584	Quantification of water-related ecosystem services. IHE Delft Lecture Note Series, 2016, , 197-222.	0.0	0
4585	Modification of Surface Flow Analysis Algorithm in SWAT. Journal of the Korean Society of Civil Engineers, 2016, 36, 417-426.	0.1	0
4586	Assessment of water use vulnerability in the unit watersheds using TOPSIS approach with subjective and objective weights. Journal of Korea Water Resources Association, 2016, 49, 685-692.	0.3	3

#	Article	IF	CITATIONS
4587	Application of SWAT model to estimate the annual runoff and sediment of Duhok reservoir watershed. , 2016, , .		2
4589	Impact of climate change on hydrology of Manjalar sub basin of river Vaigai in Tamil Nadu, India. Journal of Applied and Natural Science, 2016, 8, 1670-1679.	0.2	2
4591	Application of MIKE Basin in the Zayandeh Rud Catchment. , 2017, , 253-268.		2
4594	Neuro Fuzzy Application in Capacity Prediction and Forecasting Model for Ukai Reservoir. Water Science and Technology Library, 2017, , 103-111.	0.2	0
4595	Simulation on stream flow and nutrient loadings in Meiling watershed, Taihu Lake Basin, based on SWAT model., 2017, , .		0
4596	Introduction: The Water Management Tool WMT. , 2017, , 197-199.		0
4597	SWAT Modeling of Nitrogen Dynamics Considering Atmospheric Deposition and Nitrogen Fixation in a Watershed Scale. Agricultural Sciences, 2017, 08, 326-340.	0.2	1
4598	Sustainable Land Use and Watershed Management in Response to Climate Change Impacts. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 255-295.	0.3	0
4599	KsztaÅ,towanie siÄ™ odpÅ,ywu rzecznego w dorzeczu ParsÄ™ty w Å>wietle modelowania hydrologicznego = Shaping of river outflow in the Parsęta basin in the light of hydrological modelling. Przeglad Geograficzny, 2017, 89, 45-66.	0.2	2
4600	AN AGENT BASED MODEL FOR LAND USE POLICIES IN COASTAL AREAS. Coastal Engineering Proceedings, 2017, , 9.	0.1	0
4601	Simulation of Discharge and Nitrate in Tallar Basin using SWAT Model. Journal of Watershed Management Research, 2017, 8, 45-60.	0.0	4
4602	Assessment of climate change impacts using SWAT. Agriculture Update, 2017, 12, 1788-1793.	0.0	0
4603	Using the SWAT model in analyzing hard rock hydrogeological environments. Application in Naxos Island, Greece Bulletin of the Geological Society of Greece, 0, 51, 18.	0.2	0
4605	Concepts, philosophy and methods for development of a general linear statistical model for river water quality. , 0, , .		0
4606	Impact of Landuse Changes on Soil Erosion and Sedimentation in the Tono Reservoir Watershed Using GeoWEPP Model. International Journal of Irrigation and Agricultural Development, 2018, 1, 106-119.	0.5	2
4607	Reigniting GIS's Application in Ecotourism. Advances in Hospitality, Tourism and the Services Industry, 2018, , 98-115.	0.2	0
4608	Remote Sensing-Based Evapotranspiration Modelling for Agricultural Water Management in the Limpopo Basin. Advances in Geospatial Technologies Book Series, 2018, , 50-85.	0.1	2
4609	Review of the Impacts on Soils of Land-Use Changes Induced by Non-food Biomass Production. Sustainable Agriculture Reviews, 2018, , 79-125.	0.6	0

#	ARTICLE	IF	CITATIONS
4610	Hydrological Modeling to Evaluate Future Climate Change Impacts in Sind River Basin, India. International Journal of Environmental Science and Development, 2018, 9, 56-61.	0.2	0
4611	Climate Change May Result in More Water Availability in Parts of the African Sahel. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 143-152.	0.2	O
4612	Application of SWAT and 3D Environment in Flood Detection Senario of Terengganu Watershed. Asian Journal of Environment & Ecology, 2018, 5, 1-18.	0.2	0
4613	Modelling for Catchment Management. , 2018, , 25-65.		1
4614	Hydrologic Modeling of Wetlands. , 2018, , 233-242.		0
4615	Sensitivity Analysis Methods. , 2018, , 1-36.		0
4617	IMPORTÃ,NCIA DAS FUNÇÕES DE PEDOTRANSFERÊNCIA NO ESTUDO DAS PROPRIEDADES E FUNÇÕES HIDRÃULICAS DOS SOLOS DO BRASIL. Multi-Science Journal, 2018, 1, 31-37.	0.1	0
4618	QSWAT Model Calibration and Uncertainty Analysis for Sediment Yield Simulation in the Patapur Micro-Watershed Using Sequential Uncertainty Fitting Method (SUFI-2). International Journal of Current Microbiology and Applied Sciences, 2018, 7, 811-830.	0.0	0
4619	LAND USE, MICROCLIMATE, AND SURFACE RUNOFF LINKAGES: SPACE-TIME MODELING FROM ROKEL-SELI RIVER BASIN, SIERRA LEONE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W8, 225-230.	0.2	1
4620	Temporal evolution of urban growth and its impact on runoff rates generation. International Journal of Sustainable Development and Planning, 2018, 13, 975-984.	0.3	0
4621	Modeling and simulation to predict variation of void ration and permeability influence on E-coli transport in heterogeneous sand gravel depositions. MOJ Applied Bionics and Biomechanics, 2018, 2, .	0.2	0
4623	Hydrologic Modeling for Sedimentation in Hemrin Reservoir Using HEC-HMS. Diyala Journal of Engineering Sciences, 2020, 11, 67-72.	0.3	2
4624	Investigating the effects of agricultural best management practices on water quality of a surface water. Materials Protection, 2019, 60, 369-378.	0.1	1
4625	Hydrological Modeling with Soil and Water Assessment Tool (SWAT): An Overview. International Journal for Research in Applied Science and Engineering Technology, 2019, 8, 175-179.	0.1	0
4626	Remote Sensing-Based Evapotranspiration Modelling for Agricultural Water Management in the Limpopo Basin., 2019,, 249-286.		0
4627	Sensitivity Analysis Methods. , 2019, , 637-671.		0
4628	Reigniting GIS's Application in Ecotourism. , 2019, , 1478-1492.		1
4629	Estimation of the Impact of Climate Change on Water Resources Using a Deterministic Distributed Hydrological Model in Côte d'Ivoire: Case of the Aghien Lagoon. Journal of Geoscience and Environment Protection, 2019, 07, 74-91.	0.2	1

#	ARTICLE	IF	CITATIONS
4630	Experience of experimental studies and mathematical modeling of the impacts of deforestation and subsequent reforestation on the runoff and removal of chemicals from forest watersheds. Regional Ecology, 2019, 55, 25.	0.1	O
4631	Effect of Rainfall and Urban Expansion on Runoff in the Agricultural Area. Journal of Advanced Agricultural Technologies, 2019, 6, 281-286.	0.2	1
4632	Understanding the Central Great Plains as a Coupled Climatic-Hydrological-Human System: Lessons Learned in Operationalizing Interdisciplinary Collaboration. , 2019, , 265-294.		1
4633	Evaluation Des Performances Du Modele Agro-Hydrologique SWAT Ã Reproduire Le Fonctionnement Hydrologique Du Bassin Versant Nakhla (Rif occidental, Maroc). European Scientific Journal, 2019, 15, .	0.0	5
4634	Long-term and Multidisciplinary Research on Carbon Cycling and Forest Ecosystem Functions in a Mountainous Landscape: Development and Perspectives. Journal of Geography (Chigaku Zasshi), 2019, 128, 129-146.	0.1	5
4635	Effects of Digital Elevation Models (DEM) Spatial Resolution on Hydrological Simulation. Journal of Watershed Management Research, 2019, 10, 36-45.	0.0	2
4636	Effect of Climate Change in the Stream Flow, Crop Yields and NP Levels at White Oak Bayou Watershed Using SWAT simulation: A Case Study. Asian Journal of Geographical Research, 0, , 1-9.	0.0	0
4637	SENTINEL-1& amp; 2 FOR NEAR REAL TIME CROPPING PATTERN MONITORING IN DROUGHT PRONE AREAS. APPLICATION TO IRRIGATION WATER NEEDS IN TELANGANA, SOUTH-INDIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W6, 285-292.	0.2	4
4638	The Water Balance in Agricultural and Natural Systems. , 2020, , 289-312.		0
4639	SEDIMENT LOAD CALCULATION WITHIN A RURAL BASIN BY USING A PHYSICALLY-BASED MODEL (ARCSWAT). , 2019, , .		O
4640	Prediction of Surface Runoff Changes with Landuse-Land Cover Impact Using Remote Sensing Data and GIS Based ARcSWAT Model of Indrayani Watershed, Maharashtra, India. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2019, , 06-13.	0.2	0
4641	KýÊük Menderes Alt Havzası'nın SWAT ile Modellenmesi. Çukurova Üniversitesi Mühendislik-M Fakültesi Dergisi, 0, , 55-70.	imarlık 0.1	O
4642	ASSESSING THE IMPACTS OF CLIMATE CHANGE ON THE HYDROLOGY OF THE INDRAWATI RIVER BASIN, NEPAL. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-5/W2, 1-8.	0.0	0
4643	Modeling the Effect of Different Management Practices for Soil Erosion Control in a Mediterranean Watershed. Lecture Notes in Civil Engineering, 2020, , 125-132.	0.3	O
4644	Climate change impacts on hydrology in the Dak B'la watershed, Central Highland Vietnam based on SWAT model. , 0, , 22-31.		1
4645	Modelling of climate change impact on flow conditions in the lowland anastomosing river. PeerJ, 2020, 8, e9275.	0.9	3
4647	Karlı Dağlık Bir Havzada Gýnlük ve Aylık Akım Değerlerinin SWAT Modeliyle Değerlendirilmesi: Bit Havzası Örneği. Afyon Kocatepe University Journal of Sciences and Engineering, 2020, 20, 651-671.	lis Çayı 0.1	0
4648	Evaluating Spatiotemporal Variations in the Impact of Inter-basin Water Transfer Projects in Water-receiving Basin. Water Resources Management, 2021, 35, 5409-5429.	1.9	5

#	ARTICLE	IF	CITATIONS
4649	Quantitative assessment of regional land use and climate change impact on runoff across Gilgit watershed. Environmental Earth Sciences, 2021 , 80 , 1 .	1.3	48
4650	A Framework for Methodological Options to Assess Climatic and Anthropogenic Influences on Streamflow. Frontiers in Environmental Science, 2021, 9, .	1.5	6
4651	Watershed subdivision and weather input effect on streamflow simulation using SWAT model. Pollack Periodica, 2021, , .	0.2	0
4652	Analysis of water balance components of a river sub-basin under future climate scenarios. Sustainable Water Resources Management, 2021, 7, 1.	1.0	1
4653	Evaluate River Water Salinity in a Semiâ€Arid Agricultural Watershed by Coupling Ensemble Machine Learning Technique with SWAT Model. Journal of the American Water Resources Association, 2022, 58, 1175-1188.	1.0	7
4654	Projected Streamflow and Sediment Supply under Changing Climate to the Coast of the Kalu River Basin in Tropical Sri Lanka over the 21st Century. Water (Switzerland), 2021, 13, 3031.	1.2	4
4655	Hydrologic response to large-scale land use and cover changes in the Upper Paran $ ilde{A}_i$ River Basin between 1985 and 2015. Regional Environmental Change, 2021, 21, 1.	1.4	4
4656	Using Bayesian optimization to automate the calibration of complex hydrological models: Framework and application. Environmental Modelling and Software, 2022, 147, 105235.	1.9	12
4657	Streamflow modeling and contribution of snow and glacier melt runoff in glacierized Upper Indus Basin. Environmental Monitoring and Assessment, 2021, 193, 761.	1.3	1
4658	Effects of land use change on water availability and water efficiency in the temperate basins of south-central Chile. Journal of King Saud University - Science, 2021, 33, 101650.	1.6	5
4659	Challenges and Technical Advances in Flood Early Warning Systems (FEWSs)., 0,,.		10
4660	Hydrological model optimization using multi-gauge calibration (MGC) in a mountainous region. Journal of Hydroinformatics, 2021, 23, 340-351.	1.1	4
4661	Research progress of two typical watershed-scale non-point source pollution distributed models. IOP Conference Series: Earth and Environmental Science, 2020, 619, 012033.	0.2	0
4662	Impact of Change in Land Use Land Cover on Water Resources in Gundlakamma Sub Basin. Journal of Geography Environment and Earth Science International, 0, , 33-46.	0.2	1
4663	Uncertainty of drought information in a data-scarce tropical river basin. Journal of Hydrology: Regional Studies, 2020, 32, 100760.	1.0	4
4664	Efficiency and feasibility of Best Management Practices to reduce nutrient loads in an agricultural river basin. Agricultural Water Management, 2022, 259, 107241.	2.4	29
4665	Effects of deforestation and afforestation on water availability for dry bean production in Haiti. Agriculture, Ecosystems and Environment, 2022, 325, 107721.	2.5	6
4666	Integration of SWAT and Remote Sensing Techniques to Simulate Soil Moisture in Data Scarce Micro-watersheds: A Case of Awramba Micro-watershed in the Upper Blue Nile Basin, Ethiopia. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020 294-314.	0.2	3

#	Article	IF	CITATIONS
4667	Assessing Digital Soil Inventories for Predicting Streamflow in the Headwaters of the Blue Nile. Hydrology, 2020, 7, 8.	1.3	7
4668	Assessment of Runoff and Sediment Yield from Selected Watersheds in the Western Catchment of the Chilika Lagoon. Wetlands: Ecology, Conservation and Management, 2020, , 133-164.	0.0	1
4669	Hydrological Modeling of Upper OumErRabia Basin (Morocco), Comparative Study of the Event-Based and Continuous-Process HEC-HMS Model Methods. Computational Water Energy and Environmental Engineering, 2020, 09, 159-184.	0.4	11
4670	Assessment of Runoff, Sediment Yields and Nutrient Loss Using the Swat Model in Upper Indus Basin of Pakistan. Journal of Geoscience and Environment Protection, 2020, 08, 62-81.	0.2	3
4671	Precipitation Changes in Hokkaido and Future Water Resources in Its Main Rivers., 2020,, 97-126.		0
4672	ASSESSING THE EFFECT OF LAND USE AND LAND COVER CHANGES ON WATER BALANCE IN THE OURIYORI BASIN (BENIN, WEST AFRICA). International Journal of Agriculture Environment and Bioresearch, 2020, 05, 224-241.	0.0	1
4673	Making rainfed crops adapted to potential climate change impacts: Modeling sustainable options. E3S Web of Conferences, 2020, 183, 03002.	0.2	0
4675	Shaping a baseflow model through multiple regression analysis: the \tilde{A} ‡oruh watershed example. Water Science and Technology: Water Supply, 0, , .	1.0	0
4676	The impact of rainfall distribution methods on streamflow throughout multiple elevations in the rocky mountains using the APEX modelâ€"price river watershed, utah. Journal of Environmental Quality, 2021, 50, 1395-1407.	1.0	5
4678	Improving the representation of forests in hydrological models. Science of the Total Environment, 2022, 812, 151425.	3.9	15
4679	Hydrologic Utility of Satellite-Based and Gauge-Based Gridded Precipitation Products in the Huai Bang Sai Watershed of Northeastern Thailand. Hydrology, 2021, 8, 165.	1.3	8
4680	Evaluation of Climate Change on Streamflow, Sediment, and Nutrient Load at Watershed Scale. Climate, 2021, 9, 165.	1.2	10
4681	Combined Impacts of Climate and Land Use Changes on Long-Term Streamflow in the Upper Halda Basin, Bangladesh. Sustainability, 2021, 13, 12067.	1.6	12
4682	The Impact of the Changes in Climate, Land Use and Direct Human Activity on the Discharge in Qingshui River Basin, China. Water (Switzerland), 2021, 13, 3147.	1.2	3
4683	Mitigating Drought Conditions under Climate and Land Use Changes by Applying Hedging Rules for the Multi-Reservoir System. Water (Switzerland), 2021, 13, 3095.	1,2	6
4684	A holistic approach for determining the hydrology of the mar menor coastal lagoon by combining hydrological & amp; hydrodynamic models. Journal of Hydrology, 2021, 603, 127150.	2.3	20
4685	General above-stump volume and biomass functions for Pinus radiata, Eucalyptus globulus and Eucalyptus nitens. Biomass and Bioenergy, 2021, 155, 106280.	2.9	3
4686	FutureWater Indiana: A science gateway for spatio-temporal modeling of water in Wabash basin with a focus on climate change. , 2020, , .		1

#	Article	IF	Citations
4687	Sustainable Land Use and Watershed Management in Response to Climate Change Impacts., 0,, 116-156.		0
4688	Sustainable Land Use and Watershed Management in Response to Climate Change Impacts. , 0, , 328-348.		0
4689	A 200-year historical modeling of catchment nutrient changes in Taihu basin, China., 2007,, 79-87.		5
4692	Decision Support Systems and Tools. NATO Security Through Science Series C: Environmental Security, 2008, , 455-481.	0.1	3
4693	Streamflow Response to Land Use–Land Cover Change Over the Subarnarekha River Basin, India. Water Science and Technology Library, 2021, , 257-278.	0.2	0
4694	Development of water basin pollution emission inventory: a preliminary literature review and Its implication for China. Journal of Water Supply: Research and Technology - AQUA, 2021, 70, 1-19.	0.6	2
4695	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
4696	Simulation effect evaluation of single-outlet and multi-outlet calibration of Soil and Water Assessment Tool model driven by Climate Forecast System Reanalysis data and ground-based meteorological station data â€" a case study in a Yellow River source. Water Science and Technology: Water Supply, 2021, 21, 1061-1071.	1.0	6
4697	Reviews and syntheses: Ironing out wrinkles in the soil phosphorus cycling paradigm. Biogeosciences, 2020, 17, 5309-5333.	1.3	17
4698	Spatially explicit vulnerability analysis of contaminant sources in a karstic watershed in southeastern Mexico. Applied Geography, 2022, 138, 102606.	1.7	2
4699	Integrating Climate Change, Hydrology, and Water Footprint to Measure Water Scarcity in Lesotho, Africa. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	1.3	3
4700	Development and application of a new package for MODFLOW-LGR-MT3D for simulating regional groundwater and salt dynamics with subsurface drainage systems. Agricultural Water Management, 2022, 260, 107330.	2.4	6
4701	Application of meteorological element combination-driven SWAT model based on meteorological datasets in alpine basin. Water Science and Technology: Water Supply, 2022, 22, 3307-3324.	1.0	3
4702	Dynamic spatioâ€ŧemporal flow modeling with raster DEMs. Transactions in GIS, 2022, 26, 1572-1588.	1.0	4
4703	SuperflexPy 1.3.0: an open-source Python framework for building, testing, and improving conceptual hydrological models. Geoscientific Model Development, 2021, 14, 7047-7072.	1.3	6
4704	The Potential Impact of Climate Change and Land Use on Future Soil Erosion, Based on the Example of Southeast Serbia. Innovations in Landscape Research, 2022, , 207-228.	0.2	O
4705	Impact of Land Use Change on Watershed Soil Erosion Under Different Development Scenarios. Environmental Engineering Science, 2022, 39, 379-392.	0.8	1
4706	Evaluating the risks of spatial and temporal changes in nonpoint source pollution in a Chinese river basin. Science of the Total Environment, 2022, 807, 151726.	3.9	18

#	Article	IF	CITATIONS
4707	Sediment Yield and Reservoir Sedimentation in Highly Dynamic Watersheds: The Case of Koga Reservoir, Ethiopia. Water (Switzerland), 2021, 13, 3374.	1.2	28
4708	Empirical Modeling of Stream Nutrients for Countries without Robust Water Quality Monitoring Systems. Environments - MDPI, 2021, 8, 129.	1.5	5
4709	Use of 137Cs and 210Pbex fallout radionuclides for spatial soil erosion and redistribution assessment on steeply sloping agricultural highlands. Journal of Mountain Science, 2021, 18, 2888-2899.	0.8	3
4710	Suitable chemical fertilizer reduction mitigates the water footprint of maize production: evidence from Northeast China. Environmental Science and Pollution Research, 2022, 29, 22589-22601.	2.7	12
4711	Applicability of the Climate Hazards Group Infrared Precipitation with Stations as Rainfall Input for SWAT Watershed Modeling. Water Resources, 2021, 48, 925-935.	0.3	2
4712	Evaluation of hydrological modeling using climatic station and gridded precipitation dataset. Mausam, 2021, 71, 717-728.	0.1	7
4713	Resolution Dependence of Regional Hydro-Climatic Projection: A Case-Study for the Johor River Basin, Malaysia. Water (Switzerland), 2021, 13, 3158.	1.2	7
4714	Modelling climate change impact on water resources of the Upper Indus Basin. Journal of Water and Climate Change, 2022, 13, 482-504.	1.2	21
4716	Hydrologic Response Estimation Using Different Descriptors for Upper Baitarani River Basin. Lecture Notes in Civil Engineering, 2022, , 219-233.	0.3	1
4717	Impact of land use change on hydrological conditions in the Karajae watershed, South Sulawesi Province. IOP Conference Series: Earth and Environmental Science, 2021, 886, 012079.	0.2	0
4718	Hydrological Response of the Kunhar River Basin in Pakistan to Climate Change and Anthropogenic Impacts on Runoff Characteristics. Water (Switzerland), 2021, 13, 3163.	1.2	9
4719	Expected climate change impacts on surface water bodies in Lithuania. Ecohydrology and Hydrobiology, 2022, 22, 246-268.	1.0	12
4720	Integrated Surface-Groundwater Modelling of Nitrate Concentration in Mediterranean Rivers, the J \tilde{A}^{e} car River Basin District, Spain. Sustainability, 2021, 13, 12835.	1.6	2
4721	Assessment of gridded precipitation products in the hydrological modeling of a flood-prone mesoscale basin. Hydrology Research, 2022, 53, 85-106.	1.1	6
4722	Influence of Anthropogenic Load in River Basins on River Water Status: A Case Study in Lithuania. Land, 2021, 10, 1312.	1.2	2
4723	Impact of land-use change on catchment water balance: a case study in the central region of South Africa. Geoscience Letters, 2021, 8, .	1.3	7
4724	Environmental and cost benefits of multiâ€purpose buffers in an agricultural watershed for biomass production. Biofuels, Bioproducts and Biorefining, 2022, 16, 228-243.	1.9	6
4725	Spatial and temporal variability evaluation of sediment yield and sub-basins/hydrologic response units prioritization on Genale Basin, Ethiopia. Journal of Hydrology, 2021, 603, 127190.	2.3	4

#	Article	IF	CITATIONS
4727	Assessing hydrologic alterations due to reservoirs and intensified irrigation in a semiâ€arid agricultural river basin using SWAT *. Irrigation and Drainage, 0, , .	0.8	3
4728	Streamflow and sediment yield estimation, and area prioritization for better conservation planning in the Dawe River watershed of the Wabi Shebelle River Basin, Ethiopia. Heliyon, 2021, 7, e08509.	1.4	4
4729	Evaluating the downscaling uncertainty of hydrometeorological data in snowmelt runoff simulation. Stochastic Environmental Research and Risk Assessment, 0, , 1.	1.9	0
4730	Modelling Forest Fire and Post-Fire Management in a Catchment Prone to Erosion: Impacts on Sediment Yield. SSRN Electronic Journal, 0, , .	0.4	0
4731	ESTIMATION OF ERODIBILITY COEFFICIENTS BASED ON GEOPHYSICAL FOREST PROPERTIES IN OGOUCHI DAM WATERSHED. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2021, 77, I_61-I_68.	0.1	2
4732	Impacts of Land Use, Climate Change and Hydrological Model Structure on Nitrate Fluxes: Magnitudes and Uncertainties. SSRN Electronic Journal, 0, , .	0.4	1
4733	Overcoming equifinality: time-varying analysis of sensitivity and identifiability of SWAT runoff and sediment parameters in an arid and semiarid watershed. Environmental Science and Pollution Research, 2022, 29, 31631-31645.	2.7	13
4734	Comparison of the performance of a hydrologic model and a deep learning technique for rainfall-runoff analysis. Tropical Cyclone Research and Review, 2021, 10, 215-222.	1.0	13
4735	Hydrological evaluation of 14 satellite-based, gauge-based and reanalysis precipitation products in a data-scarce mountainous catchment. Hydrological Sciences Journal, 2022, 67, 436-450.	1.2	7
4736	Integrated assessment of nitrogen runoff to the Gulf of Mexico. Resources and Energy Economics, 2022, 67, 101279.	1.1	7
4737	A framework of freshwater services flow model into assessment on water security and quantification of transboundary flow: A case study in northeast China. Journal of Environmental Management, 2022, 304, 114318.	3.8	10
4738	Modeling streamflow variability at the regional scale: (1) perceptual model development through signature analysis. Journal of Hydrology, 2022, 605, 127287.	2.3	7
4739	Using hydropedological characteristics to improve modelling accuracy in Afromontane catchments. Journal of Hydrology: Regional Studies, 2022, 39, 100986.	1.0	5
4740	Performance optimization of the MGB hydrological model for multi-core and GPU architectures. Environmental Modelling and Software, 2022, 148, 105271.	1.9	2
4741	Simulating the effect of subsurface tile drainage on watershed salinity using SWAT. Agricultural Water Management, 2022, 262, 107431.	2.4	5
4742	Investigating the controlling factors on salinity in soil, groundwater, and river water in a semi-arid agricultural watershed using SWAT-Salt. Science of the Total Environment, 2022, 810, 152293.	3.9	15
4743	Assessment of water demand reliability using SWAT and RIBASIM models with respect to climate change and operational water projects. Agricultural Water Management, 2022, 261, 107377.	2.4	17
4744	SWAT model-based quantification of the impact of land-use change on forest-regulated water flow. Catena, 2022, 211, 105975.	2.2	17

#	Article	IF	CITATIONS
4745	Hydrological Analysis of Kadumalik Reservoir Design To Fulfill Water Demands of the Plan In the Cilutung IA (Irrigation Area). , 2020, , .		0
4746	Future impacts of climate change on sediment influx rate in hydropower reservoir using SWAT. IOP Conference Series: Earth and Environmental Science, 2021, 880, 012024.	0.2	1
4747	Modeling Spatial Patterns of Dissolved Oxygen and the Impact Mechanisms in a Cascade River. Frontiers in Environmental Science, 2021, 9, .	1.5	5
4748	Explaining water security indicators using hydrologic and agricultural systems models. Journal of Hydrology, 2022, 607, 127463.	2.3	18
4749	Prediction of Shoreline Change for the Calculation of the Integrated Littoral Sediment Budget. Water (Switzerland), 2022, 14, 232.	1.2	4
4750	Restoring Natural Forests as the Most Efficient Way to Water Quality and Abundance: Case Study from Želivka River Basin. Sustainability, 2022, 14, 814.	1.6	1
4751	Modelling river flow in cold and ungauged regions: a review of the purposes, methods, and challenges. Environmental Reviews, 2022, 30, 159-173.	2.1	11
4752	Evaluation of the drought management measures in a semi-arid agricultural watershed. Environment, Development and Sustainability, 2023, 25, 811-833.	2.7	10
4753	Improved representation of agricultural land use and crop management for large-scale hydrological impact simulation in Africa using SWAT+. Hydrology and Earth System Sciences, 2022, 26, 71-89.	1.9	20
4754	Simulating streamflow in the Cheliff basin of west northern Algeria using the SWAT model. Journal of Earth System Science, 2022, $131,1.$	0.6	5
4755	Evaluation of satellite-based and reanalysis precipitation datasets by hydrologic simulation in the Chenab river basin. Journal of Water and Climate Change, 2022, 13, 1563-1582.	1.2	15
4756	Evaluation of Agricultural Water Supply and Selection of Deficient Districts in Yeongsan River Basin of South Korea Considering Supply Priority. Water (Switzerland), 2022, 14, 298.	1.2	2
4758	Modeling the impact of climate change on sediment yield from an Eastern Himalayan River Basin using ArcSWAT. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	0
4759	Selecting the optimal fine-scale historical climate data for assessing current and future hydrological conditions. Journal of Hydrometeorology, 2022, , .	0.7	2
4760	Modelling streamflow and sediment yield from two small watersheds of Kashmir Himalayas, India. ISH Journal of Hydraulic Engineering, 2023, 29, 189-198.	1.1	3
4761	Modeling the Impact of Climate and Land Use/Land Cover Change on Water Availability in an Inland Valley Catchment in Burkina Faso. Hydrology, 2022, 9, 12.	1.3	15
4762	A Model-Based Approach for Improving Surface Water Quality Management in Aquaculture Using MIKE 11: A Case of the Long Xuyen Quadangle, Mekong Delta, Vietnam. Water (Switzerland), 2022, 14, 412.	1.2	12
4763	Projected impacts of climate change on major dams in the Upper Yangtze River Basin. Climatic Change, 2022, 170, 1.	1.7	7

#	Article	IF	CITATIONS
4764	Using SWATâ€MEA to determine optimal placement of crop management systems under noâ€ŧill. Agronomy Journal, 2022, 114, 1115-1127.	0.9	1
4765	A Daily Water Balance Model Based on the Distribution Function Unifying Probability Distributed Model and the SCS Curve Number Method. Water (Switzerland), 2022, 14, 143.	1.2	4
4766	Assessment of Variations in Runoff Due to Landcover Changes Using the SWAT Model in an Urban River in Dublin, Ireland. Sustainability, 2022, 14, 534.	1.6	10
4767	Impacts of Soil Information on Process-Based Hydrological Modelling in the Upper Goukou Catchment, South Africa. Water (Switzerland), 2022, 14, 407.	1.2	2
4768	Significance of using dynamic land-use data and its threshold in hydrology and water quality simulation models. Environmental Monitoring and Assessment, 2022, 194, 108.	1.3	2
4769	Systematic Assessment of the Development and Recovery Characteristics of Hydrological Drought in a Semi-Arid Area. SSRN Electronic Journal, 0, , .	0.4	0
4770	Modeling of rainfall–runoff events using HEC-HMS model in southern catchments of Jerusalem Desert-Palestine. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	8
4771	Hydrological Response of the Wami–Ruvu Basin to Land-Use and Land-Cover Changes and Its Impacts for the Future. Water (Switzerland), 2022, 14, 184.	1.2	8
4772	Land use and land cover change dynamics and its impact on watershed hydrological parameters: the case of Awetu watershed, Ethiopia. Journal of Sedimentary Environments, 2022, 7, 79-94.	0.7	8
4773	Modeling the hydrological characteristics of Hangar Watershed, Ethiopia. Water Science and Technology: Water Supply, 2022, 22, 3896-3907.	1.0	1
4774	Sustainability Assessment of Jumar River in Ranchi District of Jharkhand using River Sustainability Bayesian Network (RSBN) model Approach., 2022,, 407-428.		3
4775	Climate change impact on water quality in the integrated Mahabad Dam watershed-reservoir system. Journal of Hydro-Environment Research, 2022, 40, 28-37.	1.0	3
4776	A Union of Dynamic Hydrological Modeling and Satellite Remotely-Sensed Data for Spatiotemporal Assessment of Sediment Yields. Remote Sensing, 2022, 14, 400.	1.8	3
4777	Hydrological process knowledge in catchment modelling $\hat{a} \in \text{``Lessons}$ and perspectives from 60 years development. Hydrological Processes, 2022, 36, .	1.1	14
4778	Application of SWAT model to assess land use change and climate variability impacts on hydrology of Nam Rom Catchment in Northwestern Vietnam. Environment, Development and Sustainability, 2022, 24, 3091-3109.	2.7	19
4779	Attribution of Changes in Streamflow to Climate Change and Land Cover Change in Yangtze River Source Region, China. Water (Switzerland), 2022, 14, 259.	1.2	12
4780	Soil Erosion Susceptibility Prediction in Railway Corridors Using RUSLE, Soil Degradation Index and the New Normalized Difference Railway Erosivity Index (NDReLI). Remote Sensing, 2022, 14, 348.	1.8	6
4781	Assessing streamflow modeling using single and multi-site calibration approach on Bharathpuzha catchment, India: a case study. Modeling Earth Systems and Environment, 0, , .	1.9	5

#	Article	IF	CITATIONS
4782	Investigating the impact of calibration timescales on streamflow simulation, parameter sensitivity and model performance for Indian catchments. Hydrological Sciences Journal, 2022, 67, 661-675.	1.2	3
4783	Impacts of Climate Alteration on the Hydrology of the Yarra River Catchment, Australia Using GCMs and SWAT Model. Water (Switzerland), 2022, 14, 445.	1.2	3
4784	Effects of different cropping systems on ammonia nitrogen load in a typical agricultural watershed of South China. Journal of Contaminant Hydrology, 2022, 246, 103963.	1.6	10
4785	Evaluation of gridded precipitation datasets over international basins and large lakes. Journal of Hydrology, 2022, 607, 127507.	2.3	5
4786	Improved Hadoop-based cloud for complex model simulation optimization: Calibration of SWAT as an example. Environmental Modelling and Software, 2022, 149, 105330.	1.9	6
4787	New framework for nonpoint source pollution management based on downscaling priority management areas. Journal of Hydrology, 2022, 606, 127433.	2.3	20
4788	Multi-site calibration of hydrological model and the response of water balance components to land use land cover change in a rift valley Lake Basin in Ethiopia. Scientific African, 2022, 15, e01093.	0.7	5
4789	Assessment of snowmelt and groundwater-surface water dynamics in mountains, foothills, and plains regions in northern latitudes. Journal of Hydrology, 2022, 606, 127449.	2.3	10
4790	Large-scale sediment modeling with inertial flow routing: Assessment of Madeira river basin. Environmental Modelling and Software, 2022, 149, 105332.	1.9	6
4791	Lumped geohydrological modelling for long-term predictions of groundwater storage and depletion. Journal of Hydrology, 2022, 606, 127347.	2.3	5
4792	The role of climate change and vegetation greening on evapotranspiration variation in the Yellow River Basin, China. Agricultural and Forest Meteorology, 2022, 316, 108842.	1.9	54
4793	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
4794	Passive sampling and ecohydrologic modeling to investigate pesticide surface water loading in the Zollner Creek watershed, Oregon, USA. Science of the Total Environment, 2022, 819, 152955.	3.9	1
4795	Modelling effects of forest fire and post-fire management in a catchment prone to erosion: Impacts on sediment yield. Catena, 2022, 212, 106080.	2.2	9
4796	Improved forest dynamics leads to better hydrological predictions in watershed modeling. Science of the Total Environment, 2022, 821, 153180.	3.9	4
4797	Land-use changes and precipitation cycles to understand hydrodynamic responses in semiarid Mediterranean karstic watersheds. Science of the Total Environment, 2022, 819, 153182.	3.9	14
4799	Integrated Simulation of Surfacewater-Groundwater (SW-GW) Interactions Using SWAT-MODFLOW (Case study: Shiraz Basin, Iran)., 2022, , 113-131.		2
4804	Identification of priority management practices for soil erosion control through estimation of runoff and sediment yield using soil and water assessment tool on Salma watershed in Afghanistan. Irrigation and Drainage, 2022, 71, 804-822.	0.8	1

#	Article	IF	CITATIONS
4805	Simulating sediment yield by SWAT and optimizing the parameters using SUFI-2 in Bilate river of Lake Abaya in Ethiopia. World Journal of Engineering, 2023, 20, 681-689.	1.0	4
4806	Assessing the Effect of Land-Use and Land-Cover Changes on Discharge and Sediment Yield in a Rural Coal-Mine Dominated Watershed in Kentucky, USA. Water (Switzerland), 2022, 14, 516.	1.2	8
4807	Multimodel quantification of green and blue water components and its error propagations through parameter transferability approach across input choices. Journal of Hydrology, 2022, 607, 127579.	2.3	5
4808	Hydroclimatology of the Chitral River in the Indus Basin under Changing Climate. Atmosphere, 2022, 13, 295.	1.0	11
4809	On sustainable improvements of agricultural practices in the Bairrada region (Portugal). Environment, Development and Sustainability, 0 , 1 .	2.7	2
4810	Larval flushing alters malaria endemicity patterns in regions with similar habitat abundance. Current Research in Parasitology and Vector-borne Diseases, 2022, 2, 100080.	0.7	3
4811	Climate Change Impacts on Agricultural Water Availability in the Middle Rio Grande Basin. Journal of the American Water Resources Association, 0, , .	1.0	3
4812	Research on particle swarm optimization in LSTM neural networks for rainfall-runoff simulation. Journal of Hydrology, 2022, 608, 127553.	2.3	110
4813	A GIS framework for the application of the land degradation neutrality concept in Mediterranean landscapes. Geocarto International, 2022, 37, 10767-10797.	1.7	4
4814	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
4815	Functional Multiâ€Scale Integration of Agricultural Nitrogenâ€Budgets Into Catchment Water Quality Modeling. Geophysical Research Letters, 2022, 49, .	1.5	2
4816	Impact of Land Use Changes on the Surface Runoff and Nutrient Load in the Three Gorges Reservoir Area, China. Sustainability, 2022, 14, 2023.	1.6	13
4817	Impact of renewed solar dimming on streamflow generation in monsoon dominated tropical river basins. Journal of Hydro-Environment Research, 2022, 41, 12-24.	1.0	0
4818	Impact assessment of on-site swine wastewater treatment facilities on spatiotemporal variations of nitrogen loading in an intensive livestock farming watershed. Environmental Science and Pollution Research, 2022, 29, 39994-40011.	2.7	3
4819	Adaptation of satellite-based precipitation product to study runoff and sediment of Indian River watersheds. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	8
4820	Hydrological alteration and biodiversity change along the river network caused by anthropogenic activities and climate variability. Ecological Processes, 2022, 11 , .	1.6	8
4821	Simulating Discharge in a Non-Dammed River of Southeastern South America Using SWAT Model. Water (Switzerland), 2022, 14, 488.	1.2	1
4822	Clarification of issues and long-duration hydrologic simulation SCS-CN-based proxy modelling. Acta Geophysica, 2022, 70, 729-756.	1.0	3

#	Article	IF	CITATIONS
4823	Using a global sensitivity analysis to estimate the appropriate length of calibration period in the presence of high hydrological model uncertainty. Journal of Hydrology, 2022, 607, 127546.	2.3	13
4824	Land Use and Cover Changes versus climate shift: Who is the main player in river discharge? A case study in the Upper ParanA; River Basin. Journal of Environmental Management, 2022, 309, 114651.	3.8	10
4825	Water Budgets in Ecosystems. , 2016, , 88-132.		3
4826	Evluation of Pesticide Environmental Fate at the Watershed Scale: A New Simulation Framework. SSRN Electronic Journal, 0, , .	0.4	0
4827	HYDROLOGICAL CHANGES IN THE MEKONG RIVER BASIN UNDER FUTURE HYDROPOWER DEVELOPMENT AND RESERVOIR OPERATIONS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2021, 77, I_259-I_264.	0.0	1
4828	Impact of Land Cover Change on Hydrological Process and Sediment Yield, Case Study in the Upper Blue Nile Basin, Ethiopia. SSRN Electronic Journal, 0, , .	0.4	0
4831	How Can Pedology and Soil Classification Contribute Towards Sustainable Development as a Data Source and Information Carrier?. SSRN Electronic Journal, $0, , .$	0.4	2
4832	Modeling Surface Water Availability for Irrigation Development in Mbarali River Sub-Catchment Mbeya, Tanzania. Journal of Geoscience and Environment Protection, 2022, 10, 1-14.	0.2	3
4834	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
4837	Dynamic Modeling Framework of Sediment Trapped by Check-Dam Networks: A Case Study of a Typical Watershed on the Chinese Loess Plateau. Engineering, 2022, , .	3.2	7
4838	The Role of the Snow Ratio in Mass Balance Change under a Warming Climate for the Dongkemadi Glacier, Tibetan Plateau. Journal of Climate, 2022, 35, 3833-3844.	1.2	2
4839	Assessment of the effects of agricultural management practices on soil erosion and sediment yield in Rib watershed, Ethiopia. International Journal of Environmental Science and Technology, 0, , 1.	1.8	1
4840	Dynamic Characteristics of Drought Conditions during the Growth of Winter Wheat Based on an Improved SWAT Model. Water (Switzerland), 2022, 14, 566.	1.2	2
4841	Watershed Models. , 2022, , 31-84.		1
4843	Reconceptualizing HRU Threshold Definition in the Soil and Water Assessment Tool. Journal of the American Water Resources Association, 2022, 58, 508-516.	1.0	6
4844	The Effects of Forest on Annual Water Yield of River Watershed. Water Resources, 2022, 49, 38-45.	0.3	3
4845	Modelling the impact of future climate change on streamflow and water quality in Wales, UK. Hydrological Sciences Journal, 2022, 67, 939-962.	1.2	5
4846	Impact of Climate Change on Hydrometeorology and Droughts in the Bilate Watershed, Ethiopia. Water (Switzerland), 2022, 14, 729.	1.2	12

#	Article	IF	CITATIONS
4847	Evaluating gabion performance in sediment yield reduction of basin under current and future conditions (case study: Dehbar basin). Arabian Journal of Geosciences, 2022, 15, 1.	0.6	0
4848	Spatiotemporal features of pollutant loads in the Yan River Basin, a typical loess hilly and gully watershed in the Chinese Loess Plateau. Geoscience Letters, 2022, 9, .	1.3	1
4849	Incorporating the Filling–Spilling Feature of Depressions into Hydrologic Modeling. Water (Switzerland), 2022, 14, 652.	1.2	2
4851	Quantifying the Impacts of Land Use and Cover Change (LUCC) and Climate Change on Discharge and Sediment Load in the Hunhe River Basin, Liaoning Province, Northeast China. Water (Switzerland), 2022, 14, 737.	1.2	3
4853	Calibration and Validation of SWAT Model by Using Hydrological Remote Sensing Observables in the Lake Chad Basin. Remote Sensing, 2022, 14, 1511.	1.8	21
4854	Impact of land use and land cover dynamics on ecologically-relevant flows and blue-green water resources. Ecohydrology and Hydrobiology, 2022, 22, 420-434.	1.0	8
4855	Storm event analysis of four forested catchments on the Atlantic coastal plain using a modified SCS-CN rainfall-runoff model. Journal of Hydrology, 2022, 608, 127772.	2.3	9
4856	Land conservation based on erosion and sedimentation rate (case study of Genting Watershed) Tj ETQq $1\ 1\ 0.7$	784314 rgBT 1.2	/Qverlock 1
4857	A review on water simulation models for the WEF Nexus: development perspective. Environmental Science and Pollution Research, 2022, 29, 79769-79785.	2.7	21
4858	Evaluation of soil erosion in Northern Algeria watershed using SWAT and RUSLE models. Geocarto International, 0, , 1-27.	1.7	0
4859	Effect of an improved agricultural irrigation scheme with a hydraulic structure for crop cultivation in arid northern Afghanistan using the Soil and Water Assessment Tool (SWAT). Scientific Reports, 2022, 12, 5186.	1.6	8
4861	Hydrological modeling, impact of land-use and land-cover change on hydrological process and sediment yield; case study in Jedeb and Chemoga watersheds. Energy Nexus, 2022, 5, 100051.	3.3	4
4862	Coupling fieldâ€scale and watershed models for regulatory modeling of pesticide aquatic exposures in streams. Integrated Environmental Assessment and Management, 2022, 18, 1678-1693.	1.6	2
4863	Impact of Forest Conversion to Agriculture on Hydrologic Regime in the Large Basin in Vietnam. Water (Switzerland), 2022, 14, 854.	1.2	3
4864	Management implications of spatial–temporal variations of net anthropogenic nitrogen inputs (NANI) in the Yellow River Basin. Environmental Science and Pollution Research, 2022, 29, 52317-52335.	2.7	6
4865	Assessment of Land Use and Land Cover Changes on Soil Erosion Using Remote Sensing, GIS and RUSLE Model: A Case Study of Battambang Province, Cambodia. Sustainability, 2022, 14, 4066.	1.6	12
4866	Impacts of land-use/land-cover changes on nutrient losses in agricultural catchment, southern Ethiopia. Water Science and Technology: Water Supply, 2022, 22, 5509-5523.	1.0	7
4867	Can machine learning accelerate process understanding and decisionâ€relevant predictions of river water quality?. Hydrological Processes, 2022, 36, .	1.1	26

#	Article	IF	CITATIONS
4868	Modelling the Hydrology of an Upland Catchment of Bystra River in 2050 Climate Using RCP 4.5 and RCP 8.5 Emission Scenario Forecasts. Agriculture (Switzerland), 2022, 12, 403.	1.4	6
4869	Assimilation of SMAP Products for Improving Streamflow Simulations over Tropical Climate Region—Is Spatial Information More Important Than Temporal Information?. Remote Sensing, 2022, 14, 1607.	1.8	9
4870	Aboveground biomass of typical invasive mangroves and its distribution patterns using UAV-LiDAR data in a subtropical estuary: Maoling River estuary, Guangxi, China. Ecological Indicators, 2022, 136, 108694.	2.6	23
4871	Assessing the Hydropower Potential Using Hydrological Models and Geospatial Tools in the White Bandama Watershed (Côte d'Ivoire, West Africa). Frontiers in Water, 2022, 4, .	1.0	8
4872	Assessment of BMPs by Estimating Hydrologic and Water Quality Outputs Using SWAT in Yazoo River Watershed. Agriculture (Switzerland), 2022, 12, 477.	1.4	15
4873	Using a regionalisation approach to evaluate streamflow simulated by an ecohydrological model calibrated with global land surface evaporation from remote sensing. Journal of Hydrology: Regional Studies, 2022, 40, 101042.	1.0	3
4874	The Effect of Incorporation of Embankment Information for Flood Simulation of the Gin River, Sri Lanka. Journal of Disaster Research, 2022, 17, 475-486.	0.4	1
4875	Assessment of Best Management Practices on Hydrology and Sediment Yield at Watershed Scale in Mississippi Using SWAT. Agriculture (Switzerland), 2022, 12, 518.	1.4	11
4876	Calculation of runoff computation cost and sensitivity analysis of topological attributes. Remote Sensing Applications: Society and Environment, 2022, 26, 100714.	0.8	3
4877	Evaluation of the impact of the Gully Land Consolidation Project on runoff under extreme rainfall. Land Degradation and Development, 2022, 33, 2663-2676.	1.8	4
4878	Dynamic calibration of phytoplankton blooms using the modified SWAT model. Journal of Cleaner Production, 2022, 343, 131005.	4.6	7
4879	Multiobjective Optimization of Agricultural Planning Considering Climate Change Impacts: Minab Reservoir Upstream Watershed in Iran. Journal of Irrigation and Drainage Engineering - ASCE, 2022, 148,	0.6	11
4880	Remote Sensing, Geophysics, and Modeling to Support Precision Agricultureâ€"Part 2: Irrigation Management. Water (Switzerland), 2022, 14, 1157.	1.2	9
4881	Response of runoff towards land use changes in the Yellow River Basin in Ningxia, China. PLoS ONE, 2022, 17, e0265931.	1.1	4
4882	Impact of climate change on water availability in Marsyangdi river basin, Nepal. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 1407-1423.	1.0	1
4883	Evaluating the Performance of Satellite-Based Precipitation Products Using Gauge Measurement and Hydrological Modeling: A Case Study in a Dry Basin of Northwest China. Journal of Hydrometeorology, 2022, 23, 541-559.	0.7	3
4884	Efficiency assessment of best management practices in sediment reduction by investigating cost-effective tradeoffs. Agricultural Water Management, 2022, 265, 107546.	2.4	11
4885	A comparison of performance of SWAT and machine learning models for predicting sediment load in a forested Basin, Northern Spain. Catena, 2022, 212, 105953.	2.2	24

#	Article	IF	CITATIONS
4886	Potential of constructed wetlands to reduce nitrate pollution in agricultural catchments. Ecological Engineering, 2022, 178, 106597.	1.6	3
4887	Sediment yields variation and response to the controlling factors in the Wei River Basin, China. Catena, 2022, 213, 106181.	2.2	13
4888	Characterising flow regimes in a semi-arid region with limited data availability: The Nil Wadi case study (Algeria). Journal of Hydrology: Regional Studies, 2022, 41, 101062.	1.0	4
4889	Application of satellite and reanalysis precipitation products for hydrological modeling in the data-scarce Porijõgi catchment, Estonia. Journal of Hydrology: Regional Studies, 2022, 41, 101070.	1.0	8
4890	Crop improvement influences on water quantity and quality processes in an agricultural watershed. Water Research, 2022, 217, 118353.	5.3	5
4891	Predicting the potential impact of forest fires on runoff and sediment loads using a distributed hydrological modeling approach. Ecological Modelling, 2022, 468, 109959.	1.2	7
4892	Impact of long-term climate change on flow regime in a Mediterranean basin. Journal of Hydrology: Regional Studies, 2022, 41, 101061.	1.0	20
4893	Impact of riverbed topography on hydrology in small watersheds using Soil and Water Assessment Tool. Environmental Modelling and Software, 2022, 152, 105383.	1.9	5
4894	Significant differences in agro-hydrological processes and water productivity between canal- and well-irrigated areas in an arid region. Agricultural Water Management, 2022, 267, 107637.	2.4	7
4895	Effectiveness of best management practices for non-point source agricultural water pollution control with changing climate – Lithuania's case. Agricultural Water Management, 2022, 267, 107635.	2.4	19
4896	Applicability of geomorphological approaches combined with the modified Clark's model for flood hydrograph estimation. Catena, 2022, 213, 106200.	2.2	0
4897	An Overview of Flood Concepts, Challenges, and Future Directions. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	0.8	36
4898	Evaluation of Gangetic dolphin habitat suitability under hydroclimatic changes using a coupled hydrological-hydrodynamic approach. Ecological Informatics, 2022, 69, 101639.	2.3	9
4899	Model-based water accounting for integrated assessment of water resources systems at the basin scale. Science of the Total Environment, 2022, 830, 154810.	3.9	25
4900	Impacts of land use, climate change and hydrological model structure on nitrate fluxes: Magnitudes and uncertainties. Science of the Total Environment, 2022, 830, 154671.	3.9	15
4901	Dynamic parameterization of soil surface characteristics for hydrological models in agricultural catchments. Catena, 2022, 214, 106257.	2.2	2
4902	Study on the Response of Rice Yield and Water Consumption to Climate Change in the South China—A case study of the Nanliujiang Catchment. , 2021, , .		0
4903	Determining Hydrological Variability Using a Multi-Catchment Model Approach for the Western Cape, South Africa. Sustainability, 2021, 13, 14058.	1.6	8

#	ARTICLE	IF	CITATIONS
4904	Modeling Basin-Scale Impacts of Cultivation Practices on Cotton Yield and Water Conservation under Various Hydroclimatic Regimes. Agriculture (Switzerland), 2022, 12, 17.	1.4	1
4905	N2O Emissions from Two Austrian Agricultural Catchments Simulated with an N2O Submodule Developed for the SWAT Model. Atmosphere, 2022, 13, 50.	1.0	2
4906	Assessment of Hydrologic Flux from the Haldi Catchment into Hooghly Estuary, India. Water Science and Technology Library, 2022, , 255-277.	0.2	0
4907	Future Climate Change Impact on the Nyabugogo Catchment Water Balance in Rwanda. Water (Switzerland), 2021, 13, 3636.	1.2	2
4908	Why do we have so many different hydrological models? A review based on the case of Switzerland. Wiley Interdisciplinary Reviews: Water, 2022, 9, .	2.8	16
4909	Impact of Fully Coupled Hydrology-Atmosphere Processes on Atmosphere Conditions: Investigating the Performance of the WRF-Hydro Model in the Three River Source Region on the Tibetan Plateau, China. Water (Switzerland), 2021, 13, 3409.	1.2	3
4910	Evaluation of observed and satellite-based climate products for hydrological simulation in data-scarce Baro -Akob River Basin, Ethiopia. Ecohydrology and Hydrobiology, 2022, 22, 234-245.	1.0	9
4911	Canadian Large Ensembles Adjusted Dataset version 1 (CanLEADv1): Multivariate biasâ€corrected climate model outputs for terrestrial modelling and attribution studies in North America. Geoscience Data Journal, 2022, 9, 288-303.	1.8	5
4912	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
4913	Hydrological Modeling of Karst Watershed Containing Subterranean River Using a Modified SWAT Model: A Case Study of the Daotian River Basin, Southwest China. Water (Switzerland), 2021, 13, 3552.	1.2	5
4914	A novel high-resolution gridded precipitation dataset for Peruvian and Ecuadorian watersheds – development and hydrological evaluation. Journal of Hydrometeorology, 2021, , .	0.7	6
4915	Quantifying the Contributions of Climate Change and Human Activities to Water Volume in Lake Qinghai, China. Remote Sensing, 2022, 14, 99.	1.8	14
4916	The role of climate change and human interventions in affecting watershed runoff responses. Hydrological Processes, 2021, 35, .	1.1	9
4917	The Small Water Cycle in the Czech Landscape: How Has It Been Affected by Land Management Changes Over Time?. Sustainability, 2021, 13, 13757.	1.6	3
4918	Modelling the impact of soil and water conservation structures at various scales in Tunisian semi-arid region. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	0
4919	Efficiencies of best management practices in reducing nitrate pollution of the Sebdou River, a semiâ€arid Mediterranean agricultural catchment (North Africa). River Research and Applications, 2022, 38, 613-624.	0.7	4
4920	Integration of Forest Growth Component in the FEST-WB Distributed Hydrological Model: The Bonis Catchment Case Study. Forests, 2021, 12, 1794.	0.9	1
4921	Improvements in Sub-Catchment Fractional Snowpack and Snowmelt Parameterizations and Hydrologic Modeling for Climate Change Assessments in the Western Himalayas. Hydrology, 2021, 8, 179.	1.3	5

#	Article	IF	CITATIONS
4922	Evaluating InVEST model for estimating soil loss and sediment export in data scarce regions of the Abbay (Upper Blue Nile) Basin: Implications for land managers. Environmental Challenges, 2021, 5, 100381.	2.0	23
4923	HydroPy (v1.0): a new global hydrology model written in Python. Geoscientific Model Development, 2021, 14, 7795-7816.	1.3	8
4924	A database system for querying of river networks: facilitating monitoring and prediction applications. Water Science and Technology: Water Supply, 2022, 22, 2832-2846.	1.0	2
4925	A Novel Stacked Long Short-Term Memory Approach of Deep Learning for Streamflow Simulation. Sustainability, 2021, 13, 13384.	1.6	17
4926	Application of Soil Water Assessment Tool (SWAT) Model in Analyzing Nitrogen Transport Inside the Narmada River Basin. Frontiers in Water, 2021, 3, .	1.0	0
4927	Expanding the Sediment Transport Tracking Possibilities in a River Basin through the Development of a Digital Platform—DNS/SWAT. Applied Sciences (Switzerland), 2022, 12, 3848.	1.3	4
4928	On the Evaluation of Both Spatial and Temporal Performance of Distributed Hydrological Models Using Remote Sensing Products. Remote Sensing, 2022, 14, 1959.	1.8	3
4929	Potential of the Coupled WRF/WRF-Hydro Modeling System for Flood Forecasting in the Ouémé River (West Africa). Water (Switzerland), 2022, 14, 1192.	1.2	7
4930	Assessment of Climate Change Impact on the Annual Maximum Flood in an Urban River in Dublin, Ireland. Sustainability, 2022, 14, 4670.	1.6	4
4931	Comprehensive Analysis for Long-Term Hydrological Simulation by Deep Learning Techniques and Remote Sensing. Frontiers in Earth Science, 2022, 10 , .	0.8	8
4932	On the Calibration of Spatially Distributed Hydrologic Models for Poorly Gauged Basins: Exploiting Information from Streamflow Signatures and Remote Sensing-Based Evapotranspiration Data. Water (Switzerland), 2022, 14, 1252.	1.2	3
4933	Modeling the effects of future climate and land-use changes on streamflow in a headwater basin in the Brazilian Caatinga biome. Geocarto International, 2022, 37, 12436-12465.	1.7	6
4934	Investigating Relationships between Runoff–Erosion Processes and Land Use and Land Cover Using Remote Sensing Multiple Gridded Datasets. ISPRS International Journal of Geo-Information, 2022, 11, 272.	1.4	16
4935	Assessment of soil erosion risk in a semi-arid climate watershed using SWAT model: case of Tata basin, South-East of Morocco. Applied Water Science, 2022, 12, .	2.8	23
4936	Assessment of run-of-river hydropower potential in the data-scarce region, Omo-Gibe Basin, Ethiopia. International Journal of Energy and Water Resources, 2022, 6, 531-542.	1.3	1
4937	Reliability of Hydrology and Water Quality Simulations Using Global Scale Datasets. Journal of the American Water Resources Association, 2022, 58, 453-470.	1.0	2
4938	Inductive predictions of hydrologic events using a Long Short-Term Memory network and the Soil and Water Assessment Tool. Environmental Modelling and Software, 2022, 152, 105400.	1.9	7
4941	A MULTI-CRITERIA-BASED APPROACH TO QUANTIFY PREDICTIVE UNCERTAINTY OF DISTRIBUTED MODELS WHEN APPLIED TO UNGAUGED BASINS. , 0, , 75-88.		0

#	Article	IF	Citations
4953	Technical basis for quantifying phosphorus transport to surface and groundwaters. Journal of Animal Science, 2004, 82 E-Suppl, E277-291.	0.2	1
4954	Potential Impacts of Cropping and Management Interventions on Resilient and Sustainable Irrigation Development in Western Nepal. SSRN Electronic Journal, 0, , .	0.4	0
4955	Managing Saltwater Intrusion and Agricultural Practices along the BoÄfaçay River, Turkey: Effects from Excavation and Land Source Pollution. Journal of Coastal Research, 2022, 38, .	0.1	0
4957	Advancing Reservoir Operations Modelling in Swat to Reduce Socio-Ecological Tradeoffs. SSRN Electronic Journal, 0, , .	0.4	0
4959	Highâ€resolution simulated water balance and streamflow data set for 1951–2020 for the territory of Poland. Geoscience Data Journal, 2023, 10, 195-207.	1.8	6
4960	Evaluation of Blue and Green Water Using Combine Stream Flow and Soil Moisture Simulation in Wunna Watershed, India. Water Conservation Science and Engineering, 2022, 7, 211-225.	0.9	4
4961	Hydrological Modeling in the Chaohu Lake Basin of Chinaâ€"Driven by Open-Access Gridded Meteorological and Remote Sensing Precipitation Products. Water (Switzerland), 2022, 14, 1406.	1.2	4
4962	River flow rate prediction in the Des Moines watershed (Iowa, USA): a machine learning approach. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3835-3855.	1.9	19
4963	Simulation of Pesticide and Metabolite Concentrations Using SWAT+ Landscape Routing and Conditional Management Applications. Water (Switzerland), 2022, 14, 1332.	1.2	6
4964	Climate change increased the compound extreme precipitation-flood events in a representative watershed of the Yangtze River Delta, China. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3803-3818.	1.9	4
4965	Use of geotechnologies for morphometric analysis of experimental basin in the semiarid region to support hydrological simulation. Revista Engenharia Na Agricultura - REVENG, 0, 30, 19-35.	0.2	1
4966	Representation of hydrological processes in a rural lowland catchment in Northern Germany using <scp>SWAT < /scp> and <scp>SWAT < /scp> +. Hydrological Processes, 2022, 36, .</scp></scp>	1.1	15
4967	Modeling Water Quantity and Quality Nonlinearities for Watershed Adaptability to Hydroclimate Extremes in Agricultural Landscapes. Hydrology, 2022, 9, 80.	1.3	5
4968	Incorporating Snowmelt into Daily Estimates of Recharge Using a <scp>Stateâ€Space</scp> Model of Infiltration. Ground Water, 2022, 60, 721-746.	0.7	4
4969	Assessing farmers' adaptation responses to water conservation policies through modular recursive hydro-micro-macro-economic modeling. Journal of Cleaner Production, 2022, 360, 132208.	4.6	3
4970	The Effects of Agricultural Conservation Practices on the Small Water Cycle: From the Farm- to the Management-Scale. Land, 2022, 11, 683.	1.2	6
4971	Climate change impacts on conventional and flash droughts in the Mekong River Basin. Science of the Total Environment, 2022, 838, 155845.	3.9	14
4972	Assessment of diminishing discharge of springs in Central Himalayan region, India. Hydrological Processes, 0, , .	1.1	1

#	Article	IF	CITATIONS
4973	Water Ecosystems Tool (WET) 1.0 – a new generation of flexible aquatic ecosystem model. Geoscientific Model Development, 2022, 15, 3861-3878.	1.3	8
4974	Bayesian decision tables for estimation of risk of water management decisions based on uncertain surface water status: a case study of a Polish catchment. Environmental Sciences Europe, 2022, 34, .	2.6	1
4975	Integrating Water Quality Restoration Cost with Ecosystem Service Flow to Quantify an Ecological Compensation Standard: A Case Study of the Taoxi Creek Watershed. Water (Switzerland), 2022, 14, 1459.	1.2	5
4976	The accuracy of multisource evapotranspiration products and their applicability in streamflow simulation over a large catchment of Southern China. Journal of Hydrology: Regional Studies, 2022, 41, 101092.	1.0	1
4977	Simulating salinity transport in High-Desert landscapes using APEX-MODFLOW-Salt. Journal of Hydrology, 2022, 610, 127873.	2.3	4
4978	A watershed-scale assessment of climate change impacts on crop yields in Atlantic Canada. Agricultural Water Management, 2022, 269, 107680.	2.4	11
4979	Parameter uncertainty and sensitivity analysis of the three Gorges Reservoir and Xiangxi River EFDC model. Journal of Hydrology, 2022, 610, 127881.	2.3	14
4980	Integrated surface and groundwater modeling to enhance water resource sustainability in agricultural watersheds. Agricultural Water Management, 2022, 269, 107692.	2.4	6
4981	Influence of climate and land-use changes on the sensitivity of SWAT model parameters and water availability in a semi-arid river basin. Catena, 2022, 215, 106298.	2.2	30
4983	Responses of evapotranspiration to changing climate for the past six decades in the upper catchment of the Olifants River basin. IOP Conference Series: Earth and Environmental Science, 2022, 983, 012072.	0.2	0
4984	Proposing a combined method for the estimation of spatial and temporal variation of crop water productivity under deficit irrigation scenarios based on the AquaCrop model. Applied Water Science, 2022, 12, 1.	2.8	3
4985	Role of Mine Tailings in the Spatio-Temporal Distribution of Phosphorus in River Water: The Case of B1 Dam Break in Brumadinho. Water (Switzerland), 2022, 14, 1572.	1.2	9
4986	Estimating Point and Nonpoint Source Pollutant Flux by Integrating Various Models, a Case Study of the Lake Hawassa Watershed in Ethiopia's Rift Valley Basin. Water (Switzerland), 2022, 14, 1569.	1.2	3
4987	Enhanced release, export, and transport of diffuse nutrients from litter in forested watersheds with climate warming. Science of the Total Environment, 2022, 837, 155897.	3.9	6
4988	Sediment Yield Modeling and Evaluation of Best Management Practices Using the SWAT Model of the Daketa Watershed, Ethiopia. Water Conservation Science and Engineering, 2022, 7, 283-292.	0.9	3
4989	Assessment of the hydrological impact of land use/cover changes in a semi-arid basin using the SWAT model (case of the Oued SaÃ-da basin in western Algeria). Modeling Earth Systems and Environment, 2022, 8, 5611-5624.	1.9	8
4990	Influences of land use changes on the dynamics of water quantity and quality in the German lowland catchment of the Stör. Hydrology and Earth System Sciences, 2022, 26, 2561-2582.	1.9	13
4991	Managing reservoir sedimentation through coordinated operation of a transboundary system of reservoirs in the Mekong. Journal of Hydrology, 2022, 610, 127930.	2.3	8

#	Article	IF	CITATIONS
4992	Applying the WEF nexus at a local level. , 2022, , 111-144.		1
4993	Potential climate change impact assessment on hydrology of the Lake Tana basin, Upper Blue Nile River Basin, Ethiopia. Physics and Chemistry of the Earth, 2022, , 103162.	1.2	3
4994	Toward a Robust Land Suitability Framework for Manure Management: Modeling Impacts and Evaluating Biophysical Characteristics. Journal of the American Water Resources Association, 2022, 58, 435-452.	1.0	0
4995	A Vine Copulaâ€Based Polynomial Chaos Framework for Improving Multiâ€Model Hydroclimatic Projections at a Multiâ€Decadal Convectionâ€Permitting Scale. Water Resources Research, 2022, 58, .	1.7	10
4996	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
4997	The effect of weighting hydrological projections based on the robustness of hydrological models under a changing climate. Journal of Hydrology: Regional Studies, 2022, 41, 101113.	1.0	3
4998	Combining downscaled-GRACE data with SWAT to improve the estimation of groundwater storage and depletion variations in the Irrigated Indus Basin (IIB). Science of the Total Environment, 2022, 838, 156044.	3.9	34
4999	Understanding Effects of Climate Change and Eutrophication on Fish Habitat in Glacial Lakes of the Midwest States and Management Strategies. , 2022, , 77-145.		0
5000	Improving groundwater sustainability through conservation strategies in a critical-prohibited coastal plain. Physics and Chemistry of the Earth, 2022, , 103176.	1.2	1
5001	Water Regulation Ecosystem Services of Multifunctional Landscape Dominated by Monoculture Plantations. Land, 2022, 11, 818.	1.2	2
5002	Development and validation of an operational multi-layered model for estimation of soil moisture at point-scale in South Africa. South African Journal of Plant and Soil, 0, , 1-13.	0.4	2
5003	Effects of single†and multi†site calibration strategies on hydrological model performance and parameter sensitivity of large†scale semi†arid and semi†humid watersheds. Hydrological Processes, 2022, 36, .	1.1	9
5004	Metrics Assessment and Streamflow Modeling under Changing Climate in a Data-Scarce Heterogeneous Region: A Case Study of the Kabul River Basin. Water (Switzerland), 2022, 14, 1697.	1.2	2
5005	Prediction of Reservoir Sedimentation in the Long Term Period Due to the Impact of Climate Change: A Case Study of Pleikrong Reservoir. Journal of Disaster Research, 2022, 17, 552-560.	0.4	2
5006	Investigating Impacts of Climate Change on Runoff from the Qinhuai River by Using the SWAT Model and CMIP6 Scenarios. Water (Switzerland), 2022, 14, 1778.	1,2	10
5007	Assessment of flood susceptibility prediction based on optimized tree-based machine learning models. Journal of Water and Climate Change, 2022, 13, 2353-2385.	1.2	5
5008	Multivariate assimilation of satellite-based leaf area index and ground-based river streamflow for hydrological modelling of irrigated watersheds using SWAT+. Journal of Hydrology, 2022, 610, 128012.	2.3	6
5009	Applying Analytic Hierarchy Process for Identifying Best Management Practices in Erosion Risk Areas of Northwestern Himalayas. Land, 2022, $11,832$.	1.2	8

#	Article	IF	CITATIONS
5010	Flood risk analysis of reservoirs based on full-series ARIMA model under climate change. Journal of Hydrology, 2022, 610, 127979.	2.3	17
5011	Contribution of nonpoint source pollution from baseflow of a typical agriculture-intensive basin in northern China. Environmental Research, 2022, 212, 113589.	3.7	4
5012	Determination of accurate baseline representation for three Central Iowa watersheds within a HAWQS-based SWAT analyses. Science of the Total Environment, 2022, 839, 156302.	3.9	4
5013	How climate change and land-use evolution relates to the non-point source pollution in a typical watershed of China. Science of the Total Environment, 2022, 839, 156375.	3.9	22
5019	The Effect of Spatial Input Data Quality on the Performance of the SWAT Model. Water (Switzerland), 2022, 14, 1988.	1.2	5
5020	Response of runoff and nitrogen loadings to climate and land use changes in the middle Fenhe River basin in Northern China. Journal of Water and Climate Change, 2022, 13, 2817-2836.	1.2	7
5021	Quantifying the climate changeâ€driven impacts on the hydrology of a dataâ€scarce watershed located in the Brazilian Tropical Savanna. Hydrological Processes, 2022, 36, .	1.1	5
5022	Loss of street trees predicted to cause 6000ÂL/tree increase in leaf-on stormwater runoff for Great Lakes urban sewershed. Urban Forestry and Urban Greening, 2022, 74, 127649.	2.3	4
5023	Impact of climate change on future precipitation amounts, seasonal distribution, and streamflow in the Omo-Gibe basin, Ethiopia. Heliyon, 2022, 8, e09711.	1.4	16
5024	Multi-Variable SWAT Model Calibration Using Satellite-Based Evapotranspiration Data and Streamflow. Hydrology, 2022, 9, 112.	1.3	4
5025	How Climate Extremes Influence Conceptual Rainfall-Runoff Model Performance and Uncertainty. Frontiers in Climate, 0, 4, .	1.3	4
5026	A comparative assessment of CMIP5 and CMIP6 in hydrological responses of the Yellow River Basin, China. Hydrology Research, 2022, 53, 867-891.	1.1	12
5027	Water Level Forecasting Using Deep Learning Time-Series Analysis: A Case Study of Red River of the North. Water (Switzerland), 2022, 14, 1971.	1.2	23
5028	Prediction of the Discharge Flow in a Small Hydropower Station without Hydrological Data Based on SWAT Model. Water (Switzerland), 2022, 14, 2011.	1.2	0
5029	Agricultural Irrigation Effects on Hydrological Processes in the United States Northern High Plains Aquifer Simulated by the Coupled SWAT-MODFLOW System. Water (Switzerland), 2022, 14, 1938.	1.2	3
5030	Projection of the temperature and precipitation impacts on the runoff using a representative concentration pathway scenario in the Agh-Darband basin, Iran. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
5031	Comparison of machine learning and process-based SWAT model in simulating streamflow in the Upper Indus Basin. Applied Water Science, 2022, 12, .	2.8	20
5032	Capturing spatial variability of factors affecting the water allocation plansâ€"a geo-informatics approach for large irrigation schemes. Environmental Science and Pollution Research, 2022, 29, 81418-81429.	2.7	1

#	Article	IF	CITATIONS
5033	<scp>Spatioâ€temporal</scp> discretization uncertainty of distributed hydrological models. Hydrological Processes, 2022, 36, .	1.1	2
5034	Toward Better Preparedness of Mediterranean Rainfed Agricultural Systems to Future Climate-Change-Induced Water Stress: Study Case of Bouregreg Watershed (Morocco)., 0,,.		1
5035	How Far Can Nature-Based Solutions Increase Water Supply Resilience to Climate Change in One of the Most Important Brazilian Watersheds?. Earth, 2022, 3, 748-767.	0.9	3
5036	Comparison of SWAT and MODIS Evapotranspiration Data for Multiple Timescales. Hydrology, 2022, 9, 103.	1.3	9
5037	Estimating hydrological consequences of vegetation greening. Journal of Hydrology, 2022, 611, 128018.	2.3	18
5038	Assessment and projection of ground freezing–thawing responses to climate change in the Upper Heihe River Basin, Northwest China. Journal of Hydrology: Regional Studies, 2022, 42, 101137.	1.0	2
5039	Hydrological evaluation of radar and satellite gauge-merged precipitation datasets using the SWAT model: Case of the Terauchi catchment in Japan. Journal of Hydrology: Regional Studies, 2022, 42, 101134.	1.0	5
5040	Development of a simulation method for paddy fields based on surface FTABLE of hydrological simulation program–FORTRAN. Agricultural Water Management, 2022, 271, 107694.	2.4	3
5041	A coupling simulation and optimization method developed for environmental-economic management of Lake watershed. Journal of Environmental Management, 2022, 318, 115546.	3.8	6
5042	Random forest-based modeling of stream nutrients at national level in a data-scarce region. Science of the Total Environment, 2022, 840, 156613.	3.9	19
5043	How can pedology and soil classification contribute towards sustainable development as a data source and information carrier?. Geoderma, 2022, 424, 115988.	2.3	8
5044	Stormwater Management Adaptation Pathways under Climate Change and Urbanization. Journal of Sustainable Water in the Built Environment, 2022, 8, .	0.9	5
5045	Watershed Water Balance. Encyclopedia of the UN Sustainable Development Goals, 2022, , 992-1007.	0.0	0
5049	Development of a Framework Performing Lumped and Distributed Optimization for Parameters of Complex Distributed Models at the Watershed Scale. SSRN Electronic Journal, 0, , .	0.4	0
5050	Efficacy of Synthetic Sediment Graph Developed using Various Modified Time-Area Methods. Geography, Environment, Sustainability, 2022, 15, 38-57.	0.6	1
5051	Soil CO2 Emission Largely Dominates the Total Ecosystem CO2 Emission at Canadian Boreal Forest. Frontiers in Environmental Science, 0, 10, .	1.5	0
5052	A Socio-Hydrological Unit Division and Confluence Relationship Generation Method for Human–Water Systems. Water (Switzerland), 2022, 14, 2074.	1,2	2
5053	Study on the functionality of land use land cover over the evaluation of groundwater potential zone: A fuzzy AHP based approach. Journal of Earth System Science, 2022, 131, .	0.6	5

#	Article	IF	CITATIONS
5054	Impacts of Landâ€Use Change on the Hydrology of Lake Tana Basin, Upper Blue Nile River Basin, Ethiopia. Global Challenges, 2022, 6, .	1.8	10
5055	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
5056	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
5057	Assessment of hydrological water balance in Lower Nzoia Sub-catchment using SWAT-model: towards improved water governace in Kenya. Heliyon, 2022, 8, e09799.	1.4	3
5058	Dynamic Rule Curves and Streamflow under Climate Change for Multipurpose Reservoir Operation Using Honey-Bee Mating Optimization. Sustainability, 2022, 14, 8599.	1.6	5
5059	Hydrological Retrospective and Historical Drought Analysis in a Brazilian Savanna Basin. Water (Switzerland), 2022, 14, 2178.	1.2	2
5060	The limits of watershed delineation: implications of different DEMs, DEM resolutions, and area threshold values. Hydrology Research, 2022, 53, 1047-1062.	1.1	7
5061	The Great Lakes Runoff Intercomparison Project Phase 4: the Great Lakes (GRIP-GL). Hydrology and Earth System Sciences, 2022, 26, 3537-3572.	1.9	27
5062	Application of Remote-Sensing-Based Hydraulic Model and Hydrological Model in Flood Simulation. Sustainability, 2022, 14, 8576.	1.6	4
5063	Identification of priority management areas for non-point source pollution based on critical source areas in an agricultural watershed of Northeast China. Environmental Research, 2022, 214, 113892.	3.7	11
5064	Modeling groundwater and surface water interaction: An overview of current status and future challenges. Science of the Total Environment, 2022, 846, 157355.	3.9	34
5065	Increasing Streamflow in Poor Vegetated Mountain Basins Induced by Greening of Underlying Surface. Remote Sensing, 2022, 14, 3223.	1.8	3
5066	Optimization of a SWAT model by incorporating geological information through calibration strategies. Optimization and Engineering, 2022, 23, 2203-2233.	1.3	7
5067	Snowmelt runoff estimation Using Combined Terra-Aqua MODIS Improved Snow product in Western Himalayan River Basin via degree day modelling approach. Environmental Challenges, 2022, 8, 100585.	2.0	6
5068	Climate change impact on blue and green water resources distributions in the Beijiang River basin based on CORDEX projections. Journal of Water and Climate Change, 2022, 13, 2780-2798.	1.2	1
5069	The USLE soil erodibility nomograph revisited. International Soil and Water Conservation Research, 2023, 11, 1-13.	3.0	4
5070	Ecohydrologic modeling using nitrate, ammonium, phosphorus, and macroinvertebrates as aquatic ecosystem health indicators of Albaida Valley (Spain). Journal of Hydrology: Regional Studies, 2022, 42, 101155.	1.0	2
5071	From simple to complex – Comparing four modelling tools for quantifying hydrologic ecosystem services. Ecological Indicators, 2022, 141, 109143.	2.6	8

#	Article	IF	CITATIONS
5072	Response of groundwater to different water resource allocation patterns in the Sanjiang Plain, Northeast China. Journal of Hydrology: Regional Studies, 2022, 42, 101156.	1.0	4
5073	Evaluating the performance of multiple satellite-based precipitation products in the Congo River Basin using the SWAT model. Journal of Hydrology: Regional Studies, 2022, 42, 101168.	1.0	7
5074	Regionalization of the SWAT+ model for projecting climate change impacts on sediment yield: An application in the Nile basin. Journal of Hydrology: Regional Studies, 2022, 42, 101152.	1.0	5
5075	Land use, climate, and water change in the Vietnamese Mekong Delta (VMD) using earth observation and hydrological modeling. Journal of Hydrology: Regional Studies, 2022, 42, 101132.	1.0	7
5076	Opportunities and Challenges of Integrated Large-Scale PFAS Modeling: A Case Study for PFAS Modeling at a Watershed Scale. Journal of Environmental Engineering, ASCE, 2022, 148, .	0.7	5
5077	Using DSSAT-MODFLOW to determine the controls of groundwater storage and crop yield in groundwater-based irrigated regions. Journal of Hydrology, 2022, 612, 128161.	2.3	6
5078	Habitat alteration assessment for the management of environmental flows in regulated basins. Journal of Environmental Management, 2022, 319, 115653.	3.8	4
5079	Irrigation plays significantly different roles in influencing hydrological processes in two breadbasket regions. Science of the Total Environment, 2022, 844, 157253.	3.9	0
5080	What is a Water Footprint?: An Overview and Applications in Agriculture. Edis, 2012, 2012, .	0.0	3
5082	Impact of climate change on catchment nutrient dynamics: insights from around the world. Environmental Reviews, 2023, 31, 4-25.	2.1	3
5083	Coupling mountain and lowland watershed models to characterize nutrient loading: An eight-year investigation in Lake Chaohu Basin. Journal of Hydrology, 2022, 612, 128258.	2.3	8
5084	Climate change impact on water balance and hydrological extremes in the Lower Mekong Basin: a case study of Prek Thnot River Basin, Cambodia. Journal of Water and Climate Change, 2022, 13, 2911-2939.	1.2	6
5085	Simulating the Effects of Agricultural Adaptation Practices onto the Soil Water Content in Future Climate Using SWAT Model on Upland Bystra River Catchment. Water (Switzerland), 2022, 14, 2288.	1.2	2
5086	Using an Improved SWAT Model to Simulate Karst Sinkholes: A Case Study in Southwest China. Frontiers in Environmental Science, 0, 10, .	1.5	4
5087	Assessing the Effects of Climate Change on Middle Rio Grande Surface Water Supplies Using a Simple Water Balance Reservoir Model. Earth Interactions, 2022, 26, 168-179.	0.7	5
5088	Impact of vegetation restoration on ecosystem services in the Loess plateau, a case study in the Jinghe Watershed, China. Ecological Indicators, 2022, 142, 109183.	2.6	16
5089	Pesticide fate at watershed scale: A new framework integrating multimedia behavior with hydrological processes. Journal of Environmental Management, 2022, 319, 115758.	3.8	4
5090	Impacts of reforestation on soil and soil organic carbon losses. Ciencia E Agrotecnologia, 0, 46, .	1.5	1

#	ARTICLE	IF	CITATIONS
5092	Modelling Water Flow and Soil Erosion in Mediterranean Headwaters (with or without Check Dams) under Land-Use and Climate Change Scenarios Using SWAT. Water (Switzerland), 2022, 14, 2338.	1.2	10
5093	Evaluating Impacts of Detailed Land Use and Management Inputs on the Accuracy and Resolution of SWAT Predictions in an Experimental Watershed. Water (Switzerland), 2022, 14, 2352.	1.2	1
5094	Climate change impacts on rainfed agriculture and mitigation strategies for sustainable agricultural management: A case study of Prince Edward Island, Canada. , 0, , .		2
5095	Addressing the contribution of agricultural systems to the phosphorus pollution challenge: a multi-dimensional perspective. Frontiers in Chemical Engineering, 0, 4, .	1.3	2
5096	Assessing the effect of urbanization on regional-scale surface water-groundwater interaction and nitrate transport. Scientific Reports, 2022, 12, .	1.6	6
5097	Spatiotemporal Heterogeneity in Runoff Dynamics and Its Drivers in a Water Conservation Area of the Upper Yellow River Basin over the Past 35 Years. Remote Sensing, 2022, 14, 3628.	1.8	5
5098	Estimation of the Madeira floodplain dynamics from 2008 to 2018. Frontiers in Water, 0, 4, .	1.0	1
5099	Identifying Major Hydrologic Change Drivers in a Highly Managed Transboundary Endorheic Basin: Integrating Hydroâ€Ecological Models and Time Series Data Mining Techniques. Water Resources Research, 2022, 58, .	1.7	1
5100	A modeling approach for evaluating the impacts of Land Use/Land Cover change for Ziway Lake Watershed hydrology in the Ethiopian Rift. Modeling Earth Systems and Environment, 0, , .	1.9	3
5101	Evaluation of Gridded Precipitation Data for Hydrologic Modeling in North-Central Texas. Remote Sensing, 2022, 14, 3860.	1.8	10
5102	Salt transport in a large agro-urban river basin: Modeling, controlling factors, and management strategies. Frontiers in Water, 0, 4, .	1.0	0
5103	Runoff modelling of Aripal watershed using SWAT model. Arabian Journal of Geosciences, 2022, 15, .	0.6	2
5105	Assessing reservoir effect on water quality in the Missouri River basin using the soil and water assessment tool (SWAT) model. River Research and Applications, 0, , .	0.7	0
5106	Spatial and temporal evolution characteristics of water resources in the Hanjiang River Basin of China over 50Âyears under a changing environment. Frontiers in Environmental Science, 0, 10, .	1.5	4
5107	DRASTIC, GOD, and SI approaches for assessing groundwater vulnerability to pollution: a review. Environmental Sciences Europe, 2022, 34, .	2.6	26
5108	Modelling the role of ground-true riparian vegetation for providing regulating services in a Mediterranean watershed. International Soil and Water Conservation Research, 2023, 11, 159-168.	3.0	3
5109	Application of multivariate methods and hydrochemical model to evaluate industrial mine water discharges from the phosphate beneficiation process, Eshidiya mine, southeast Jordan. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
5110	Impact of Climate and Land Use Change on Economic Development in the Baoxing River Watershed in Giant Panda National Park. Journal of the American Water Resources Association, 0, , .	1.0	0

#	Article	IF	CITATIONS
5111	Hydrological model preselection with a filter sequence for the national flood forecasting system in Kenya. Journal of Flood Risk Management, 0 , , .	1.6	2
5112	Assessing the Effectiveness of Winter Cover Crops for Controlling Agricultural Nutrient Losses. Journal of the American Water Resources Association, 0, , .	1.0	0
5113	Modeling agricultural practice impacts on surface water quality: case of Northern Aegean watershed, Turkey. International Journal of Environmental Science and Technology, 2023, 20, 5265-5280.	1.8	2
5114	Watershed-scale optimum livestock distribution and crop pattern planning constrained to the minimum nitrogen and phosphorus load in the runoff. Environmental Monitoring and Assessment, 2022, 194, .	1.3	0
5115	Quantifying the significance of basin parameters and hydro-climatic factors to water and sediment yields across spatio-temporal scales in mountainous river Basin, Sikkim. Journal of Water and Climate Change, 2022, 13, 3189-3216.	1,2	1
5116	Hydrological responses to land use/land cover change in Tikur Wuha Watershed in Southern Ethiopia. Sustainable Water Resources Management, 2022, 8, .	1.0	2
5117	Development of a Field Scale SWAT+ Modeling Framework for the Contiguous U.S Journal of the American Water Resources Association, 2022, 58, 1545-1560.	1.0	5
5118	Comparison of Two Hydrological Models, HEC-HMS and SWAT in Runoff Estimation: Application to Huai Bang Sai Tropical Watershed, Thailand. Fluids, 2022, 7, 267.	0.8	14
5119	Quantitative analysis of the human intervention impacts on hydrological drought in the Zayande-Rud River Basin, Iran. Journal of Water and Climate Change, 2022, 13, 3473-3495.	1.2	1
5120	Pulling the rabbit out of the hat: Unravelling hidden nitrogen legacies in <scp>catchmentâ€scale</scp> water quality models. Hydrological Processes, 2022, 36, .	1.1	6
5121	Examining model performances and parameter uncertainty for streamflow and suspended sediment regime simulation: Comparison of three calibration methods. Journal of Hydrology, 2022, 612, 128304.	2.3	5
5122	An interactive graphical interface tool for parameter calibration, sensitivity analysis, uncertainty analysis, and visualization for the Soil and Water Assessment Tool. Environmental Modelling and Software, 2022, 156, 105497.	1.9	15
5123	The impact of overgrazing on water fluxes in a semi-arid watershed – The suitability of watershed scale modeling in a data scarce area. Journal of Hydrology: Regional Studies, 2022, 43, 101178.	1.0	3
5124	Enhanced streamflow simulations using nudging based optimization coupled with data-driven and hydrological models. Journal of Hydrology: Regional Studies, 2022, 43, 101190.	1.0	3
5125	An alternative to the Grain for Green Program for soil and water conservation in the upper Huaihe River basin, China. Journal of Hydrology: Regional Studies, 2022, 43, 101180.	1.0	9
5126	Simulation of water and salt transport in the Kaidu River Irrigation District using the modified SWAT-Salt. Agricultural Water Management, 2022, 272, 107845.	2.4	4
5127	Quantifying sediment retention by high-density small water conservancy facilities under insignificant variation of water discharge in the Nanliu River Basin, Beibu Gulf. Journal of Hydrology: Regional Studies, 2022, 43, 101184.	1.0	0
5128	Large-scale spatial variability in loess landforms and their evolution, Luohe River Basin, Chinese Loess Plateau. Geomorphology, 2022, 415, 108407.	1.1	10

#	Article	IF	Citations
5129	Post-processing R tool for SWAT efficiently studying climate change impacts on hydrology, water quality, and crop growth. Environmental Modelling and Software, 2022, 156, 105492.	1.9	8
5130	LUCST: A novel toolkit for Land Use Land Cover change assessment in SWAT+ to support flood management decisions. Environmental Modelling and Software, 2022, 156, 105469.	1.9	3
5131	Modelling and evaluation of land use changes through satellite images in a multifunctional catchment: Social, economic and environmental implications. Ecological Informatics, 2022, 71, 101777.	2.3	6
5132	Long-term simulations of Nature-Based Solutions effects on runoff and soil losses in a flat agricultural area within the catchment of Lake Massaciuccoli (Central Italy). Agricultural Water Management, 2022, 273, 107870.	2.4	5
5133	Exploring the potential of satellite precipitation after bias correction in streamflow simulation in a semi-arid watershed in northeastern China. Journal of Hydrology: Regional Studies, 2022, 43, 101192.	1.0	2
5134	Climate induced changes in streamflow and water temperature in basins across the Atlantic Coast of the United States: An opportunity for nature-based regional management. Journal of Hydrology: Regional Studies, 2022, 44, 101202.	1.0	4
5135	Multiple drought indices and their teleconnections with ENSO in various spatiotemporal scales over the Mekong River Basin. Science of the Total Environment, 2023, 854, 158589.	3.9	9
5136	Large-Scale Sediment Transport Modelling: Development, Application, and Insights. Geography of the Physical Environment, 2022, , 3-17.	0.2	1
5137	U.SChina Agricultural Trade and Environmental Outcomes in the Gulf of Mexico. SSRN Electronic Journal, $0, , .$	0.4	0
5138	Comparative Review on Model Selection for Hydrological Studies. Water Science and Technology Library, 2022, , 31-40.	0.2	0
5139	Assessment of Terrain Scenario Impacts on Hydrological Simulation with SWAT Model. Application to Lai Giang Catchment, Vietnam. Springer Water, 2022, , 1205-1222.	0.2	3
5140	Simulation of Soil Erosion and Particulate Nutrient Transport in a Catchment Using an Upgraded Hydrological Biogeochemical Model. SSRN Electronic Journal, 0, , .	0.4	0
5141	The Cycles Agroecosystem Model: Fundamentals, Testing, and Applications. SSRN Electronic Journal, 0,	0.4	2
5142	The Sensitivity Analysis and Performance of SWAT+ in Simulation of Stream Flow in a Mountainous Catchment. Environmental Earth Sciences, 2022, , 323-329.	0.1	0
5143	A Bridge Scour Risk Management Approach to Deal with Uncertain Climate Future. SSRN Electronic Journal, 0, , .	0.4	0
5144	Fundamentals of Groundwater Modeling Methods and a Focused Review on the Groundwater Models of the Nile Valley Aquifer. Earth and Environmental Sciences Library, 2022, , 39-70.	0.3	0
5145	Integrated Modeling for Simulating Sediment Production and Transport in Agricultural Landscapes. SSRN Electronic Journal, 0, , .	0.4	0
5146	Impact of Extreme Rainfall on Non-Point Source Nitrogen Loss in Coastal Basins of the Bohai Sea, China. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
5147	Hydrological Modelling of Data-Scarce Catchments: A Case Study of Namal Valley., 2022,,.		0
5148	地ç∮è;¨å±,特å¾å,é‡å演与模拟çš,,机ç† <bold>-</bold> å┤ä¹è€¦å•̂范	få¹ /49.S CIEN	NTIÆ SINICA T
5149	Integrated SWAT-MODFLOW model to study saltwater intrusion in Da Nang coastal city. IOP Conference Series: Earth and Environmental Science, 2022, 1071, 012037.	0.2	0
5150	Multi-site hydrometeorological simulation of streamflow for upper Jhelum basin in northwest Himalayas using HEC–HMS soil moisture accounting algorithm. Modeling Earth Systems and Environment, 2023, 9, 431-455.	1.9	2
5152	Evaluation of SEAWAVE–QEX in a high agricultural intensity catchment in Belgium. Integrated Environmental Assessment and Management, 2023, 19, 513-526.	1.6	1
5153	Validation and calibration of SWAT model for Kollur River Basin, Kundapura Taluk, Udupi District, Karnataka, India. Acta Geophysica, 2023, 71, 837-853.	1.0	1
5154	土å£ <bold>-</bold> æĕ¢« <bold>-</bold> æ°´æ−‡ Terrae, 2022, , .	:耦å•̂过ç	∵与机制ç [;]
5155	Simulation-based cost-risk analysis of phosphorus reduction alternatives: application to a mountainous watershed. Modeling Earth Systems and Environment, 0, , .	1.9	0
5156	The Role of Environmental Flows in the Spatial Variation of the Water Exploitation Index. Water (Switzerland), 2022, 14, 2938.	1.2	1
5157	Comparative study of machine learning methods and GR2M model for monthly runoff prediction. Ain Shams Engineering Journal, 2023, 14, 101941.	3.5	13
5158	Testing the mHM-MPR Reliability for Parameter Transferability across Locations in North–Central Nigeria. Hydrology, 2022, 9, 158.	1.3	0
5159	Modelling climate change impacts at a drinking water reservoir in Turkey and implications for reservoir management in semi-arid regions. Environmental Science and Pollution Research, 2023, 30, 13582-13604.	2.7	3
5160	Comparison of multi-objective and single objective calibration for SWAT model: a case study on Musi river basin, India. ISH Journal of Hydraulic Engineering, 0, , 1-8.	1.1	0
5161	The impacts of LULC and climate change scenarios on the hydrology and sediment yield of Rib watershed, Ethiopia. Environmental Monitoring and Assessment, 2022, 194, .	1.3	8
5162	Individual and Coupled Effects of Future Climate and Land Use Scenarios on Water Balance Components in an Australian Catchment. Atmosphere, 2022, 13, 1428.	1.0	1
5163	Streamflow and Sediment Yield Analysis of Two Medium-Sized East-Flowing River Basins of India. Water (Switzerland), 2022, 14, 2960.	1.2	4
5164	Study of climate change impact on hydro-climatic extremes in the Hanjiang River basin, China, using CORDEX-EAS data. Weather and Climate Extremes, 2022, 38, 100509.	1.6	1
5165	Sediment Yield Modeling and Mapping of the Spatial Distribution of Soil Erosion-Prone Areas. Applied and Environmental Soil Science, 2022, 2022, 1-12.	0.8	1

#	Article	IF	CITATIONS
5166	Assessment of Seasonal Surface Runoff under Climate and Land Use Change Scenarios for a Small Forested Watershed: Upper Tarlung Watershed (Romania). Water (Switzerland), 2022, 14, 2860.	1.2	0
5167	Responses of water balance component to land use/land cover and climate change using geospatial and hydrologic modeling in the Gidabo watershed, Ethiopia. Geocarto International, 2024, 37, 17119-17144.	1.7	4
5168	Effects of climate and anthropogenic changes on current and future variability in flows in the So'o River Basin (south of Cameroon). Hydrology Research, 2022, 53, 1203-1220.	1.1	16
5169	Absence of wellâ€developed floodplains along the lowland rivers and controls of the hydroâ€geomorphic conditions in the Western Ghat, India. Earth Surface Processes and Landforms, 0, , .	1.2	2
5170	Effect of LULC data resolution on hydrological and erosion modeling using SWAT model. Modeling Earth Systems and Environment, 2023, 9, 831-846.	1.9	7
5171	On (in)validating environmental models. 1. Principles for formulating a Turingâ€like Test for determining when a model is fitâ€for purpose. Hydrological Processes, 2022, 36, .	1.1	8
5172	Assessing Climate Change Impact on Water Resources in Water Demand Scenarios Using SWAT-MODFLOW-WEAP. Hydrology, 2022, 9, 164.	1.3	6
5173	A modelâ€based estimate of nitrate leaching in Germany for GHG reporting. Journal of Plant Nutrition and Soil Science, 2022, 185, 850-863.	1.1	3
5174	A Systematic Review of Water Resources Assessment at a Large River Basin Scale: Case of the Major River Basins in Madagascar. Sustainability, 2022, 14, 12237.	1.6	1
5175	A comprehensive review on coupled processes and mechanisms of soil-vegetation-hydrology, and recent research advances. Science China Earth Sciences, 2022, 65, 2083-2114.	2.3	17
5176	Assimilative capacity and water quality modeling of rivers: a review. Journal of Water Supply: Research and Technology - AQUA, 2022, 71, 1127-1147.	0.6	6
5177	Influence of Land Use Changes on the LongavÃ-Catchment Hydrology in South-Center Chile. Hydrology, 2022, 9, 169.	1.3	0
5178	An Integrated Modeling Framework in Projections of Hydrological Extremes. Surveys in Geophysics, 2023, 44, 277-322.	2.1	3
5179	Global sensitivity analyses of key riparian nitrogen models. Environmental Modelling and Software, 2022, 158, 105542.	1.9	2
5180	Analyzing the critical locations in response of constructed and planned dams on the Mekong River Basin for environmental integrity. Environmental Research Communications, 2022, 4, 101001.	0.9	26
5181	Impacts of different types of ElÂNiño events on water quality over the Corn Belt, United States. Hydrology and Earth System Sciences, 2022, 26, 4875-4892.	1.9	2
5182	Evaluating InVEST model for simulating annual and seasonal water yield in data-scarce regions of the Abbay (Upper Blue Nile) Basin: implications for water resource planners and managers. Sustainable Water Resources Management, 2022, 8, .	1.0	5
5183	SWAT_DA: Sequential Multivariate Data Assimilationâ€Oriented Modification of SWAT. Water Resources Research, 0, , .	1.7	3

#	Article	IF	CITATIONS
5184	Advancing reservoir operations modelling in SWAT to reduce socio-ecological tradeoffs. Environmental Modelling and Software, 2022, 157, 105527.	1.9	4
5185	River Profile Modeling Through Surface Deformation Using RS/GIS, A Case Study Swat River. International Journal of Innovations in Science and Technology, 2020, 2, 75-88.	0.1	2
5186	Climate Change an Emerging Risk: A Case Study of Sutlej River Basin, Pakistan., 2021, , .		0
5187	Sustainable Water Resources in Rural Areas: Impact of Land Use and Climate Change on Surface Water Groundwater Interactions at Lake Tana, Ethiopia. Water Science and Technology Library, 2022, , 375-399.	0.2	0
5188	Assessing the impact of land use and land cover changes on the water balances in an urbanized peninsular region of India. Current Directions in Water Scarcity Research, 2022, , 225-242.	0.2	2
5189	Uncertainties in Prediction of Streamflows Using SWAT Modelâ€"Role of Remote Sensing and Precipitation Sources. Remote Sensing, 2022, 14, 5385.	1.8	6
5190	Budyko-Type Models and the Proportionality Hypothesis in Long-Term Water and Energy Balances. Water (Switzerland), 2022, 14, 3315.	1.2	0
5191	Dynamic characteristics of drought conditions during the growth of summer maize. Water Policy, 2022, 24, 1741-1756.	0.7	0
5193	A new academic impact metric for evaluating geographic simulation models. International Journal of Digital Earth, 2022, 15, 1855-1880.	1.6	1
5194	Modeling runoff-sediment influx responses to alternative BMP interventions in the Gojeb watershed, Ethiopia, using the SWAT hydrological model. Environmental Science and Pollution Research, 2023, 30, 22816-22834.	2.7	9
5195	Investigating SWAT Model Efficiency to Determine Water Balance Components (Case Study: Sungai) Tj ETQq0 0	0 rgBT /Ov	verlock 10 Tf
5197	Simulation of the effects of climate change and reduce irrigation requirements on groundwater recharge using SWAT and MODFLOW models. Modeling Earth Systems and Environment, 0, , .	1.9	1
5198	Potential Hydrological Impacts of Planting Switchgrass on Marginal Rangelands in South Central Great Plains. Water (Switzerland), 2022, 14, 3087.	1.2	0
5199	Water footprint analysis for the upper Baitarani River basin, India. Sustainable Water Resources Management, 2022, 8, .	1.0	2
5201	Comparison of Calibration Approaches of the Soil and Water Assessment Tool (SWAT) Model in a Tropical Watershed. Hydrology, 2022, 9, 183.	1.3	2
5202	Investigating the effects of climate change on future hydrological drought in mountainous basins using SWAT model based on CMIP5 model. Stochastic Environmental Research and Risk Assessment, 2023, 37, 849-875.	1.9	7
5203	Attribution of climate change and human activities to streamflow variations with a posterior distribution of hydrological simulations. Hydrology and Earth System Sciences, 2022, 26, 5315-5339.	1.9	1
5204	Assessing non-point source pollution in an apple-dominant basin and associated best fertilizer management based on SWAT modeling. International Soil and Water Conservation Research, 2023, 11, 353-364.	3.0	2

#	Article	IF	CITATIONS
5205	Drought impacts on hydrology and water quality under climate change. Science of the Total Environment, 2023, 858, 159854.	3.9	19
5206	Integrated water availability modelling to assess sustainable agricultural intensification options in the Meki catchment, Central Rift Valley, Ethiopia. Hydrological Sciences Journal, 0, , .	1.2	2
5207	Estimation of soil erosion and sediment yield concentrations in Dudhganga watershed of Kashmir Valley using RUSLE & model. Environment, Development and Sustainability, 2024, 26, 215-238.	2.7	5
5209	Effects of global climate change on the hydrological cycle and crop growth under heavily irrigated management – A comparison between CMIP5 and CMIP6. Computers and Electronics in Agriculture, 2022, 202, 107408.	3.7	11
5210	Separating the impact of check dams on runoff from climate and vegetation changes. Journal of Hydrology, 2022, 614, 128565.	2.3	2
5211	Computational Machine Learning Approach for Flood Susceptibility Assessment Integrated with Remote Sensing and GIS Techniques from Jeddah, Saudi Arabia. Remote Sensing, 2022, 14, 5515.	1.8	17
5212	Climate variability impacts on runoff projection under quantile mapping bias correction in the support CMIP6: An investigation in Lushi basin of China. Journal of Hydrology, 2022, 614, 128550.	2.3	6
5213	Impacts of climate and land use/cover changes on streamflow at Kibungo sub-catchment, Tanzania. Heliyon, 2022, 8, e11285.	1.4	9
5214	Data correlation structure controls pedotransfer function performance. Journal of Hydrology, 2022, 614, 128540.	2.3	2
5215	Development and testing of a dynamic CO2 input method in SWAT for simulating long-term climate change impacts across various climatic locations. Journal of Hydrology, 2022, 614, 128544.	2.3	6
5216	Evaluation of streamflow response to climate change in the data-scarce region, Ethiopia. Sustainable Water Resources Management, 2022, 8, .	1.0	3
5217	Model identification and accuracy for estimation of suspended sediment load. Geocarto International, 2024, 37, 18520-18545.	1.7	2
5218	Variations in hydrological variables using distributed hydrological model in permafrost environment. Ecological Indicators, 2022, 145, 109609.	2.6	2
5219	Precipitation interpolation, autocorrelation, and predicting spatiotemporal variation in runoff in data sparse regions: Application to Panama. Journal of Hydrology: Regional Studies, 2022, 44, 101252.	1.0	1
5220	Replicating measured site-scale soil organic carbon dynamics in the U.S. Corn Belt using the SWAT-C model. Environmental Modelling and Software, 2022, 158, 105553.	1.9	7
5221	Improved drought monitoring in teleconnection to the climatic escalations: A hydrological modeling based approach. Science of the Total Environment, 2023, 857, 159545.	3.9	6
5222	Assessing impacts of global climate change on water and food security in the black soil region of Northeast China using an improved SWAT-CO2 model. Science of the Total Environment, 2023, 857, 159482.	3.9	11
5223	Linking hydrological, hydraulic and water quality models for river water environmental capacity assessment. Science of the Total Environment, 2023, 857, 159490.	3.9	5

#	Article	IF	Citations
5224	Evaluating the impacts of alternative grazing management practices on soil carbon sequestration and soil health indicators. Agriculture, Ecosystems and Environment, 2023, 342, 108234.	2.5	3
5226	Assessment of Climate Change Impacts on Floods and Low Flows of the Brahmaputra River. , 2022, , 19-27.		0
5227	Comprehensive simulation of salinity transport in irrigated watersheds using an updated version of SWAT-MODFLOW. Environmental Modelling and Software, 2023, 159, 105566.	1.9	5
5228	Impact of land use land cover changes on flow uncertainty in Siliana watershed of northwestern Tunisia. Catena, 2023, 220, 106733.	2.2	5
5229	A review of modeling pesticides in freshwaters: Current status, progress achieved and desirable improvements Environmental Pollution, 2023, 316, 120553.	3.7	12
5230	Modified Multi–Source Water Supply Module of the SWAT–WARM Model to Simulate Water Resource Responses under Strong Human Activities in the Tang–Bai River Basin. Sustainability, 2022, 14, 15016.	1.6	2
5231	Hydrodynamic Modeling of Inundation Patterns of a Large African Floodplain Indicates Sensitivity to Waterway Restoration. Water Resources Research, 2022, 58, .	1.7	3
5232	Application of Spatially Distributed Calibrated Hydrological Model in Evapotranspiration Simulation of Three Gorges Reservoir Area of China: A Case Study in the Madu River Basin. Chinese Geographical Science, 2022, 32, 1083-1098.	1.2	1
5233	Effects of Dynamic Land Use/Land Cover Change on Flow and Sediment Yield in a Monsoon-Dominated Tropical Watershed. Water (Switzerland), 2022, 14, 3666.	1.2	10
5234	Quantifying the impact of climate extremes on salt mobilization and loading in non-developed, high-desert landscapes using SWAT. Journal of Contaminant Hydrology, 2022, , 104107.	1.6	0
5235	Assessment of water retention variation and risk warning under climate change in an inner headwater basin in the 21st century. Journal of Hydrology, 2022, 615, 128717.	2.3	8
5236	Identifying and Characterizing Critical Source Areas of Organic and Inorganic Pollutants in Urban Agglomeration in Lake Baikal Watershed. Sustainability, 2022, 14, 14827.	1.6	2
5238	Evaluating the Impact of Climate Change on the Stream Flow in Soan River Basin (Pakistan). Water (Switzerland), 2022, 14, 3695.	1.2	6
5239	Hydrological Impact Assessment of Future Climate Change on a Complex River Basin of Western Chats, India. Water (Switzerland), 2022, 14, 3571.	1.2	8
5240	Spatial optimization of ecological ditches for non-point source pollutants under urban growth scenarios. Environmental Monitoring and Assessment, 2023, 195, .	1.3	1
5241	Use of expert elicitation to assign weights to climate and hydrological models in climate impact studies. Hydrology and Earth System Sciences, 2022, 26, 5605-5625.	1.9	3
5242	Evaluation of the costs of agricultural diffuse water pollution abatement in the context of Lithuania's water protection goals and climate change. Environmental Management, 2023, 71, 755-772.	1.2	3
5243	Seasonality and Impact Factor Analysis of Streamflow Sensitivity to Climate Change Across China. Earth's Future, 2022, 10, .	2.4	3

#	Article	IF	CITATIONS
5244	Hydraulic Modeling and Remote Sensing Monitoring of Floodhazard in Arid Environments—A Case Study of Laayoune City in Saquia El Hamra Watershed Southern Morocco. Water (Switzerland), 2022, 14, 3582.	1.2	1
5245	A hybrid calibration method for improving hydrological systems using ground-based and remotely-sensed observations. Journal of Hydrology, 2022, 615, 128688.	2.3	1
5246	Impact of climate change on future availability of water for irrigation and hydropower generation in the Omo-Gibe Basin of Ethiopia. Journal of Hydrology: Regional Studies, 2022, 44, 101254.	1.0	5
5247	An adaptive multi-objective reservoir operation scheme for improved supply-demand management. Journal of Hydrology, 2022, 615, 128718.	2.3	7
5248	Model-based water footprint accounting framework to evaluate new water management policies. Journal of Cleaner Production, 2023, 382, 135220.	4.6	5
5249	Gridded 20-year climate parameterization of Africa and South America for a stochastic weather generator (CLIGEN). Big Earth Data, 2023, 7, 349-374.	2.0	3
5250	Modelling streamflow and phosphorus fluxes in the Lake of the Woods watershed. Journal of Great Lakes Research, 2022, , .	0.8	5
5251	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
5252	Assessing the effectiveness of potential best management practices for science-informed decision support at the watershed scale: The case of the Mar Menor coastal lagoon, Spain. Science of the Total Environment, 2023, 859, 160144.	3.9	7
5253	A review of Soil and Water Assessment Tool (SWAT) studies of Mediterranean catchments: Applications, feasibility, and future directions. Journal of Environmental Management, 2023, 326, 116799.	3.8	28
5255	Informing the SWAT model with remote sensing detected vegetation phenology for improved modeling of ecohydrological processes. Journal of Hydrology, 2023, 616, 128817.	2.3	11
5256	A bridge scour risk management approach to deal with uncertain climate future. Transportation Research, Part D: Transport and Environment, 2023, 114, 103567.	3.2	2
5257	A monthly distributed water and salt balance model in irrigated and non-irrigated lands of arid irrigation district with shallow groundwater table. Journal of Hydrology, 2023, 616, 128811.	2.3	7
5258	Exploring the Consistency of Water Scarcity Inferences between Large-Scale Hydrologic and Node-Based Water System Model Representations of the Upper Colorado River Basin. Journal of Water Resources Planning and Management - ASCE, 2023, 149, .	1.3	2
5259	A French hydrologist's research for sustainable agriculture. Journal of Hydrology, 2023, 617, 128907.	2.3	0
5260	Watershed model parameter estimation in low data environments. Journal of Hydrology: Regional Studies, 2023, 45, 101306.	1.0	3
5261	Integrated modeling for simulating sediment production and transport in agricultural landscapes. Environmental Modelling and Software, 2023, 160, 105605.	1.9	2
5262	Augmenting the National agroecosystem model with physically based spatially distributed groundwater modeling. Environmental Modelling and Software, 2023, 160, 105589.	1.9	2

#	Article	IF	CITATIONS
5263	Adapting irrigated agriculture in the Middle Rio Grande to a warm-dry future. Journal of Hydrology: Regional Studies, 2023, 45, 101307.	1.0	2
5264	Spatial-temporal heterogeneity analysis of blue and green water resources for Poyang Lake basin, China. Journal of Hydrology, 2023, 617, 128983.	2.3	10
5265	Modelling the impact of the Nordic Bioeconomy Pathways and climate change on water quantity and quality in a Danish River Basin. Catena, 2023, 222, 106795.	2.2	6
5266	Riparian buffers increase future baseflow and reduce peakflows in a developing watershed. Science of the Total Environment, 2023, 862, 160834.	3.9	4
5267	Soil erosion susceptibility mapping using ensemble machine learning models: A case study of upper Congo river sub-basin. Catena, 2023, 222, 106858.	2.2	10
5268	Impacts of land use/cover change on water balance by using the SWAT model in a typical loess hilly watershed of China. Geography and Sustainability, 2023, 4, 19-28.	1.9	2
5269	Streamflow components and climate change: Lessons learnt and energy implications after hydrological modeling experiences in catchments with a Mediterranean climate. Energy Reports, 2023, 9, 277-291.	2.5	4
5270	Calibração do modelo hidrológico SWAT para estimativa da vazão em sub-bacia hidrográfica do Rio Jequitinhonha. , 0, , 31-39.		0
5271	How does building healthy soils impact sustainable use of water resources in irrigated agriculture?. Elementa, 2022, 10, .	1.1	2
5272	HYDROLOGICAL REGIONALIZATION OF THE ANNUAL MAXIMUM STREAMFLOWS OF THE UPPER AND MIDDLE PARAOPEBA RIVER – MG USING THE INDEX-FLOOD TECHNIQUE. Engenharia Agricola, 2022, 42, .	0.2	0
5274	Integrated SWAT-MODFLOW Modeling-Based Groundwater Adaptation Policy Guidelines for Lahore, Pakistan under Projected Climate Change, and Human Development Scenarios. Atmosphere, 2022, 13, 2001.	1.0	11
5275	Inflow combination forecast of reservoir based on SWAT, XAJ model and Bayes model averaging method. Water Science and Technology: Water Supply, 0, , .	1.0	1
5276	Understanding Hydrological Processes under Land Use Land Cover Change in the Upper Genale River Basin, Ethiopia. Water (Switzerland), 2022, 14, 3881.	1.2	2
5277	Impact of land-use and land-cover change on watershed hydrology: a case study of Mojo watershed, Ethiopia. Environmental Earth Sciences, 2022, 81, .	1.3	1
5278	Hydrological simulation and prediction of soil erosion using the SWAT model in a mountainous watershed: a case study of Murat River Basin, Turkey. Journal of Hydroinformatics, 2022, 24, 1175-1193.	1.1	7
5279	Runoff simulation and projection in the source area of the Yellow River using the SWAT model and SSPs scenarios. Frontiers in Environmental Science, 0, 10, .	1.5	1
5280	Sediment yield modeling in Awash Melkasa dam watershed, upper Awash River basin, Ethiopia. Acta Geophysica, O, , .	1.0	0
5282	Refined revealing the chain path of multiple ecosystem services under diverse environmental factor gradients. Science of the Total Environment, 2023, 865, 161187.	3.9	6

#	Article	IF	Citations
5283	Contrasting annual and summer phosphorus export using a hybrid Bayesian watershed model. Water Resources Research, 0 , , .	1.7	0
5284	Spatial and temporal assessment of human-water interactions at the Inle Lake, Myanmar: a socio-hydrological DPSIR analysis. Environmental Monitoring and Assessment, 2023, 195, .	1.3	1
5285	A data set of global river networks and corresponding water resources zones divisions v2. Scientific Data, 2022, 9, .	2.4	3
5286	Hydrological Simulation in a Rift-Bounded Lake System and Implication of Water Abstraction: Central Rift Valley Lakes Basin, Ethiopia. Water (Switzerland), 2022, 14, 3929.	1.2	4
5288	The combined impact of redcedar encroachment and climate change on water resources in the Nebraska Sand Hills. Frontiers in Water, 0, 4, .	1.0	1
5289	Impact evaluation and analysis at a river basin scale under projected climate and land-use change. Water Science and Technology: Water Supply, 2022, 22, 8907-8922.	1.0	4
5290	Integrated assessment of climate change and reservoir operation on flow-regime and fisheries of the Sekong river basin in Lao PDR and Cambodia. Environmental Research, 2023, 220, 115087.	3.7	4
5291	Impact of Human Activities on Hydrological Drought Evolution in the Xilin River Basin. Atmosphere, 2022, 13, 2079.	1.0	5
5292	Effect of Model Structure and Calibration Algorithm on Discharge Simulation in the Acısu Basin, Turkey. Climate, 2022, 10, 196.	1.2	2
5294	Assessment of Future Land Use/Land Cover Scenarios on the Hydrology of a Coastal Basin in South-Central Chile. Sustainability, 2022, 14, 16363.	1.6	1
5295	Development and Application of ETCalc, a Unique Online Tool for Estimation of Daily Evapotranspiration. Atmosphere - Ocean, 2023, 61, 135-147.	0.6	5
5296	An Ensemble Hydrologic Modeling System for Runoff and Evapotranspiration Evaluation over an Agricultural Watershed. Journal of the Indian Society of Remote Sensing, 2023, 51, 177-196.	1.2	4
5297	Water Balance Uncertainty of a Hydrologic Model to Lengthy Drought and Storm Events in Managed Forest Catchments, Eastern Australia. Land, 2023, 12, 3.	1.2	0
5298	Can the cropping systems of the Nile basin be adapted to climate change?. Regional Environmental Change, 2023, 23, .	1.4	4
5299	Spatial Optimization of Conservation Practices for Sediment Load Reduction in Ungauged Agricultural Watersheds. Soil Systems, 2023, 7, 4.	1.0	2
5300	Separation and attribution of impacts of changes in land use and climate on hydrological processes. Theoretical and Applied Climatology, 2023, 151, 1337-1353.	1.3	4
5301	Climate Change Impact on Land Degradation and Soil Erosion in Hilly and Mountainous Landscape: Sustainability Issues and Adaptation Strategies. Springer Climate, 2022, , 119-155.	0.3	2
5302	A Framework to Regionalize Flow Information in a Catchment with Limited Hydrological Data. Open Journal of Modern Hydrology, 2023, 13, 22-51.	0.4	O

#	ARTICLE	IF	CITATIONS
5303	Comparison of process-based and lumped parameter models for projecting future changes in fluvial sediment supply to the coast. Frontiers in Earth Science, $0,10,10$	0.8	0
5304	Modeling the integrated effects of landuse and climate change on the hydrologic response of Gorganroud watershed in Iran. Theoretical and Applied Climatology, 0, , .	1.3	1
5305	Future climate or land use? Attribution of changes in surface runoff in a typical Sahelian landscape. Comptes Rendus - Geoscience, 2023, 355, 411-438.	0.4	9
5306	A review of model selection for hydrological studies. Arabian Journal of Geosciences, 2023, 16, .	0.6	1
5307	Technical note: Extending the SWAT model to transport chemicals through tile and groundwater flow. Hydrology and Earth System Sciences, 2023, 27, 159-167.	1.9	2
5308	Estimation of Runoff and Sediment Yield in Response to Temporal Land Cover Change in Kentucky, USA. Land, 2023, 12, 147.	1.2	1
5309	The impacts of impervious surface expansion and the operation of polders on flooding under rapid urbanization processes. Theoretical and Applied Climatology, 0, , .	1.3	0
5310	Hydrological modeling of the watershed of a RAMSAR site using the SWAT model (Ichkeul National) Tj ETQq $1\ 1$	0.784314 1.9	rgBT /Overlo
5311	Multi-Site Calibration of Hydrological Model and Spatio-Temporal Assessment of Water Balance in a Monsoon Watershed. Water (Switzerland), 2023, 15, 360.	1.2	2
5312	Future Climate Change Impact on the Streamflow of Mahi River Basin Under Different General Circulation Model Scenarios. Water Resources Management, 2023, 37, 2675-2696.	1.9	7
5313	Spatial and Temporal Evolution and Driving Mechanisms of Water Conservation Amount of Major Ecosystems in Typical Watersheds in Subtropical China. Forests, 2023, 14, 93.	0.9	3
5314	Spatiotemporal variations of large wood and river channel morphology in a rapidly degraded reach of an intermittent river. Earth Surface Processes and Landforms, 2023, 48, 997-1010.	1.2	4
5315	Hydrological Responses to Land Use/Land Cover Changes in Koga Watershed, Upper Blue Nile, Ethiopia. Geographies, 2023, 3, 60-81.	0.6	2
5316	Climate Change Impacts on the Hydrology of the Brahmaputra River Basin. Climate, 2023, 11, 18.	1.2	5
5317	The integration of RUSLE-SDR lumped model with remote sensing and GIS for soil loss and sediment yield estimation. Advances in Space Research, 2023, 71, 4636-4658.	1.2	4
5318	SMAP soil moisture data assimilation impacts on water quality and crop yield predictions in watershed modeling. Journal of Hydrology, 2023, 617, 129122.	2.3	4
5319	Comparison of SWAT and HEC-HMS model performance in simulating catchment runoff. Journal of Applied Water Engineering and Research, 2023, 11, 481-495.	1.0	1
5320	Uncertainty analysis for streamflow modeling using multiple optimization algorithms at a data-scarce semi-arid region: Altınapa Reservoir Watershed, Turkey. Stochastic Environmental Research and Risk Assessment, 0, , .	1.9	0

#	Article	IF	CITATIONS
5321	Traditional crops and climate change adaptation: insights from the Andean agricultural sector. Climate and Development, 0 , $1-15$.	2.2	3
5322	Evaluation and uncertainty assessment of weather data and model calibration on daily streamflow simulation in a large-scale regulated and snow-dominated river basin. Journal of Hydrology, 2023, 617, 129103.	2.3	4
5323	Future climate and its potential impact on the spatial and temporal hydrological regime in the Koshi Basin, Nepal. Journal of Hydrology: Regional Studies, 2023, 45, 101316.	1.0	0
5324	Forest hydrology modeling tools for watershed management: A review. Forest Ecology and Management, 2023, 530, 120755.	1.4	11
5325	Assessment of agricultural pesticide inert ingredient transport following modeling approach: Case study of two formulation agents in Sacramento River watershed. Journal of Environmental Management, 2023, 330, 117123.	3.8	O
5326	SWAT model calibration approaches in an integrated paddy-dominated catchment-command. Agricultural Water Management, 2023, 278, 108138.	2.4	4
5327	Climate and landuse change enhance spatio-temporal variability of Dongjiang river flow and ammonia nitrogen. Science of the Total Environment, 2023, 867, 161483.	3.9	8
5328	Climate change impact on water resources of Iraq (a review of literature). IOP Conference Series: Earth and Environmental Science, 2022, 1120, 012025.	0.2	2
5329	Aplicação da Análise Fatorial para Determinação da Vulnerabilidade Hidrometeorológica para o Sub Médio São Francisco. Revista Brasileira De Meteorologia, 2022, 37, 405-417.	0.2	2
5330	Water resource management for improved crop cultivation and productivity with hydraulic engineering solution in arid northern Afghanistan. Applied Water Science, 2023, 13, .	2.8	1
5331	Integrated and Individual Impacts of Land Use Land Cover and Climate Changes on Hydrological Flows over Birr River Watershed, Abbay Basin, Ethiopia. Water (Switzerland), 2023, 15, 166.	1.2	9
5332	Topsoil erosion risk assessment using MUSLE: Case study of the Jungsan-ri region in Mt. Jiri national park. Journal of the Geological Society of Korea, 2022, 58, 479-488.	0.3	0
5333	Assessing Climate Change Impacts on Irrigation Water Requirements under Mediterranean Conditions—A Review of the Methodological Approaches Focusing on Maize Crop. Agronomy, 2023, 13, 117.	1.3	9
5334	Evaluation of the SWAT Model for the Simulation of Flow and Water Balance Based on Orbital Data in a Poorly Monitored Basin in the Brazilian Amazon. Geographies, 2023, 3, 1-18.	0.6	3
5335	Decadal Changes in Soil Water Storage Characteristics Linked to Forest Management in a Steep Watershed. Water (Switzerland), 2023, 15, 54.	1.2	1
5336	Subbasin Spatial Scale Effects on Hydrological Model Prediction Uncertainty of Extreme Stream Flows in the Omo Gibe River Basin, Ethiopia. Remote Sensing, 2023, 15, 611.	1.8	2
5337	Drop Spillway. Water Science and Technology Library, 2023, , 161-211.	0.2	0
5338	The ecohydrological function of the tropical forest rainfall interception: Observation and modeling. , 2023, , 77-103.		0

#	Article	IF	CITATIONS
5339	Comparison of Hydrological Platforms in Assessing Rainfall-Runoff Behavior in a Mediterranean Watershed of Northern Morocco. Water (Switzerland), 2023, 15, 447.	1.2	8
5340	Determining the spatial contributions of land use changes on the streamflow and sediment transport regimes: a case study of the Gorganroud watershed in Iran. Environmental Science and Pollution Research, 0, , .	2.7	1
5341	Impacts of climate change and fruit tree expansion on key hydrological components at different spatial scales. Frontiers in Forests and Global Change, 0, 6, .	1.0	0
5342	Hydroinformatics methods for groundwater simulation. , 2023, , 207-217.		0
5343	Assessments of the impacts of land use/land cover change on water resources: Tana Sub-Basin, Ethiopia. Journal of Water and Climate Change, 2023, 14, 421-441.	1.2	5
5344	A Qualitative Assessment of River Plumes Coupling SWAT Model Simulations and a Beach Optical Monitoring System. Hydrology, 2023, 10, 38.	1.3	0
5345	Remote sensing-based energy balance for lettuce in an arid environment: influence of management scenarios on irrigation and evapotranspiration modeling. Irrigation Science, 2023, 41, 197-214.	1.3	1
5346	Mechanism-learning coupling paradigms for parameter inversion and simulation in earth surface systems. Science China Earth Sciences, 2023, 66, 568-582.	2.3	8
5347	Sediment-Loading Processes in a Forested Catchment: Modeling and Observations. Open Journal of Modern Hydrology, 2023, 13, 94-113.	0.4	0
5348	Changes In Land Use/ Cover And Water Balance Components During 1964–2010 Period In The Mono River Basin, Togo-Benin. Geography, Environment, Sustainability, 2023, 15, 171-180.	0.6	2
5349	Impact of DEM Resolution, Sources, and Resampling Techniques on Performance of SWAT Model in Upper Blue Nile Catchment., 0,,.		0
5350	Evaluating the impacts of land use and climate changes on water ecosystem services in the Souss watershed, Morocco. Arabian Journal of Geosciences, 2023, 16, .	0.6	4
5352	Water quality benefits of weather-based manure application timing and manure placement strategies. Journal of Environmental Management, 2023, 333, 117386.	3.8	4
5353	A Web-Based Application for Exploring Potential Changes in Design Peak Flow of US Urban Areas Driven by Land Cover Change. Journal of Remote Sensing, 2023, 3, .	3.2	O
5354	SWAT model for water balance and water yield study in Ulu Muda Forest Reserve, Kedah. AIP Conference Proceedings, 2023, , .	0.3	0
5355	Application of Hydrological Modeling Related to the 2011 Disaster in the Mountainous Region of Rio De Janeiro, Brazil. Climate, 2023, 11, 55.	1.2	4
5356	Impact of climate and anthropogenic changes on current and future variability in flows in the Nyong River Basin (equatorial Central Africa). Journal of Hydroinformatics, 2023, 25, 369-395.	1.1	5
5357	Groundwater sustainability under land-use and land-cover changes. Environmental Earth Sciences, 2023, 82, .	1.3	2

#	Article	IF	CITATIONS
5358	A Review of the Application of the Soil and Water Assessment Tool (SWAT) in Karst Watersheds. Water (Switzerland), 2023, 15, 954.	1.2	11
5359	Hydrologic Response to Land Use and Land Cover Change Scenarios: An Example from the Paraopeba River Basin Based on the SWAT Model. Water (Switzerland), 2023, 15, 1451.	1.2	5
5360	Short-term Lake Erie algal bloom prediction by classification and regression models. Water Research, 2023, 232, 119710.	5.3	15
5361	Determination of Spatially-Distributed Hydrological Ecosystem Services (HESS) in the Red River Delta Using a Calibrated SWAT Model. Sustainability, 2023, 15, 6247.	1.6	2
5362	A Framework for Assessment of Flood Conditions Using Hydrological and Hydrodynamic Modeling Approach. Water (Switzerland), 2023, 15, 1371.	1.2	0
5363	An integrated watershed-scale framework to model nitrogen transport and transformations. Science of the Total Environment, 2023, 882, 163348.	3.9	4
5364	Applicability evaluation of agricultural Best Management Practices to estimate reduction efficiency of suspended solids. Catena, 2023, 225, 107028.	2.2	1
5365	Predicting baseflow recession characteristics at ungauged stream locations using a physical and machine learning approach. Advances in Water Resources, 2023, 175, 104440.	1.7	0
5366	Evaluating soil loss under land use management and extreme rainfall. Journal of Contaminant Hydrology, 2023, 256, 104181.	1.6	1
5367	Stochastic export coefficient model to predict annual variation in phosphorus loading from diffuse runoff. Journal of Hydrology, 2023, 620, 129447.	2.3	0
5368	Evaluating the effectiveness of macro-level water-saving policies based on water footprint sustainability indicators. Agricultural Water Management, 2023, 282, 108272.	2.4	4
5369	Assessment of GPM IMERG and GSMaP daily precipitation products and their utility in droughts and floods monitoring across Xijiang River Basin. Atmospheric Research, 2023, 286, 106673.	1.8	10
5370	Spatial and temporal variability of climate change impacts on ecosystem services in small agricultural catchments using the Soil and Water Assessment Tool (SWAT). Science of the Total Environment, 2023, 875, 162520.	3.9	9
5371	A framework for the broad dissemination of hydrological models for non-expert users. Environmental Modelling and Software, 2023, 164, 105695.	1.9	0
5372	Simulating agroecosystem soil inorganic nitrogen dynamics under long-term management with an improved SWAT-C model. Science of the Total Environment, 2023, 879, 162906.	3.9	2
5373	Impact of Climate Change on Streamflow in the Middle–Upper Reaches of the Weihe River Basin, China. Journal of Hydrologic Engineering - ASCE, 2023, 28, .	0.8	1
5374	Improving spatial resolution in soil and drainage data to combine natural and anthropogenic water functions at catchment scale in agricultural landscapes. Agricultural Water Management, 2023, 283, 108304.	2.4	0
5375	Assessing impacts of climate variability and land use/land cover change on the water balance components in the Sahel using Earth observations and hydrological modelling. Journal of Hydrology: Regional Studies, 2023, 47, 101370.	1.0	4

#	Article	IF	CITATIONS
5376	Detecting the impact of the "Grain for Green―program on land use/land cover and hydrological regimes in a watershed of the Chinese Loess Plateau over the next 30Âyears. Ecological Indicators, 2023, 150, 110181.	2.6	4
5377	Development, implementation and validation of Sediment Transport and Erosion Prediction (STEP) model. Environmental Modelling and Software, 2023, 164, 105686.	1.9	0
5378	Performance of SWAT Model in Quantitative and Qualitative Simulation of Runoff and Watershed Protective Measures in Zarrinehrood Basin. Journal of Watershed Management Research, 2020, 11, 111-120.	0.0	1
5379	Identifying Critical Sources and Evaluate the Best Management Practices to Control Nutrient Load of the Dez River Basin Using the SWAT Model. Journal of Watershed Management Research, 2020, 11, 142-154.	0.0	0
5380	Impact of extreme rainfall on non-point source nitrogen loss in coastal basins of Laizhou Bay, China. Science of the Total Environment, 2023, 881, 163427.	3.9	2
5382	An Approach for Prioritizing Natural Infrastructure Practices to Mitigate Flood and Nitrate Risks in the Mississippi-Atchafalaya River Basin. Land, 2023, 12, 276.	1.2	4
5383	Research on the optimal allocation of agricultural water and soil resources in the Heihe River Basin based on SWAT and intelligent optimization. Agricultural Water Management, 2023, 279, 108177.	2.4	7
5384	Simulated Climate Change Impacts on Corn and Soybean Yields in Buchanan County, Iowa. Agriculture (Switzerland), 2023, 13, 268.	1.4	7
5385	Soil Loss Estimation. Water Science and Technology Library, 2023, , 33-61.	0.2	0
5386	Applicability comparison of various precipitation products of long-term hydrological simulations and their impact on parameter sensitivity. Journal of Hydrology, 2023, 618, 129187.	2.3	6
5387	Sediment load estimation using a novel regionalization sediment-response similarity method for ungauged catchments. Journal of Hydrology, 2023, 618, 129198.	2.3	1
5388	Modeling Surface Water–Groundwater Interactions: Evidence from Borkena Catchment, Awash River Basin, Ethiopia. Hydrology, 2023, 10, 42.	1.3	2
5389	Assessment of future water demand in a semiarid region of Turkey: a case study of Tahtali–Seferihisar Basin. Sustainable Water Resources Management, 2023, 9, .	1.0	2
5390	Modelling daily streamflow in a temporary karst river system: comparing three approaches using the SWAT model. Hydrological Sciences Journal, 2023, 68, 462-473.	1.2	1
5391	A novel approach to vulnerability assessment for adaptation planning in agriculture: An application to the Lower Bhavani Irrigation Project, India. Climate Services, 2023, 30, 100358.	1.0	0
5392	Modeling climate change impact on the inflow of the Magat reservoir using the Soil and Water Assessment Tool (SWAT) model for dam management. Journal of Water and Climate Change, 2023, 14, 633-650.	1.2	1
5393	Land degradation and climate change lessened soil erodibility across a wide area of the southern Tibetan Plateau over the past 35–40 years. Land Degradation and Development, 2023, 34, 2636-2651.	1.8	2
5394	Modelling the Impact of Changing Climate on Sediment Yield in a Data-Scarce High-Elevation Catchment in NW Himalayas. KN - Journal of Cartography and Geographic Information, 2023, 73, 67-75.	1.6	0

#	Article	IF	CITATIONS
5395	Assessment of Soil Erosion from an Ungauged Small Watershed and Its Effect on Lake Ulansuhai, China. Land, 2023, 12, 440.	1.2	3
5396	Impact of Climate Change on the Hydrological Regimes of the Midstream Section of the Yarlung Tsangpo River Basin Based on SWAT Model. Water (Switzerland), 2023, 15, 685.	1.2	3
5397	An improved model of shade-affected stream temperature in Soil & Dil & D	1.9	0
5398	Coupling of SWAT and DSAS Models for Assessment of Retrospective and Prospective Transformations of River Deltaic Estuaries. Remote Sensing, 2023, 15, 958.	1.8	4
5399	Simulating daily sediment transport using the Water Quality and Sediment Model (WQSED). Modeling Earth Systems and Environment, 0, , .	1.9	0
5400	Comparison of Flood Frequency at Different Climatic Scenarios in Forested Coastal Watersheds. Climate, 2023, 11, 41.	1.2	3
5401	Hydrological modeling and scenario analysis for water supply and water demand assessment of Addis Ababa city, Ethiopia. Journal of Hydrology: Regional Studies, 2023, 46, 101341.	1.0	2
5402	Quantification of Gridded Precipitation Products for the Streamflow Simulation on the Mekong River Basin Using Rainfall Assessment Framework: A Case Study for the Srepok River Subbasin, Central Highland Vietnam. Remote Sensing, 2023, 15, 1030.	1.8	10
5403	Spatial–temporal analysis of various land use classifications and their long-term alteration's impact on hydrological components: using remote sensing, SAGA-GIS, and ARCSWAT model. Environmental Science: Water Research and Technology, 2023, 9, 1161-1181.	1.2	1
5404	Assessing the Influence of a Bias Correction Method on Future Climate Scenarios Using SWAT as an Impact Model Indicator. Water (Switzerland), 2023, 15, 750.	1.2	5
5405	Effects of Climate Change on Streamflow in the Ayazma River Basin in the Marmara Region of Turkey. Water (Switzerland), 2023, 15, 763.	1.2	1
5406	Climate Change Impacts on Surface Runoff and Nutrient and Sediment Losses in Buchanan County, lowa. Agriculture (Switzerland), 2023, 13, 470.	1.4	2
5407	Assessment of hydrological response with an integrated approach of climate, land, and water for sustainable water resources in the Khari River basin, India. Anthropocene, 2023, 41, 100373.	1.6	2
5408	Assessment of Irrigation Demands Based on Soil Moisture Deficits Using a Satellite-Based Hydrological Model. Remote Sensing, 2023, 15, 1119.	1.8	3
5409	Sustainable and Cost-Effective Management of Degraded Sub-Watersheds using Ecological Management Practices (EMPs) for Genale Basin, Ethiopia. Journal of Hydrology, 2023, 619, 129289.	2.3	3
5410	Quantifying the impacts of hydraulic infrastructure on tropical streamflows. Hydrological Processes, 2023, 37, .	1.1	4
5411	Performance evaluation of hydrological model in simulating streamflow and water balance analysis: spatiotemporal calibration and validation in the upper Awash sub-basin in Ethiopia. Sustainable Water Resources Management, 2023, 9, .	1.0	1
5412	Modeling nutrient flows from land to rivers and seas – A review and synthesis. Marine Environmental Research, 2023, 186, 105928.	1.1	1

#	Article	IF	CITATIONS
5413	Characteristics and Driving Mechanism of Water Resources Trend Change in Hanjiang River Basin. International Journal of Environmental Research and Public Health, 2023, 20, 3764.	1.2	1
5414	Assimilation versus optimization for SWAT calibration: accuracy, uncertainty, and computational burden analysis. Water Science and Technology: Water Supply, 2023, 23, 1189-1207.	1.0	1
5416	Evaluating the tradeoff between cost effectiveness and participation in agricultural conservation programs. American Journal of Agricultural Economics, 2024, 106, 712-738.	2.4	3
5417	Shifted discharge and drier soils: Hydrological projections for a Central Asian catchment. Journal of Hydrology: Regional Studies, 2023, 46, 101338.	1.0	3
5418	Best Management Practices Affect Water Quality in Coastal Watersheds. Sustainability, 2023, 15, 4045.	1.6	2
5419	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
5420	Topography, Soil Elemental Stoichiometry and Landscape Structure Determine the Nitrogen and Phosphorus Loadings of Agricultural Catchments in the Subtropics. Land, 2023, 12, 568.	1.2	0
5421	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
5422	Hydrological modeling using the Soil and Water Assessment Tool in urban and peri-urban environments: the case of Kifisos experimental subbasin (Athens, Greece). Hydrology and Earth System Sciences, 2023, 27, 917-931.	1.9	4
5423	Considering flood scaling property in multi-objective calibration of the SWAT model: a case study in Zijinguan watershed, Northern China. Natural Hazards, 0, , .	1.6	1
5424	Assessment of spatio-temporal variation of water balance components by simulating the hydrological processes of a large complex watershed. Environmental Earth Sciences, 2023, 82, .	1.3	1
5425	Impacts of Ongoing Land-Use Change on Watershed Hydrology and Crop Production Using an Improved SWAT Model. Land, 2023, 12, 591.	1.2	0
5426	Assessing the Effect of Spatial Variation in Soils on Sediment Loads in Yazoo River Watershed. Hydrology, 2023, 10, 62.	1.3	1
5427	New distributed model for predicting erosion-type pollution by integrating sediment connectivity and watershed model. Environmental Modelling and Software, 2023, 162, 105662.	1.9	0
5428	Establishing Linkages among Changes in Land Use, Vegetation, and Croplands to Arrest Soil Erosion and Desertification., 2023, , 97-112.		0
5429	Simulación de compilación de recursos hÃdricos superficiales y subterráneos mediante el modelo SWAT-MODFLOW en una cuenca kárstica de Irán. Hydrogeology Journal, 2023, 31, 571-587.	0.9	3
5430	Impacts of Land Cover Change on the Spatial Distribution of Nonpoint Source Pollution Based on SWAT Model. Water (Switzerland), 2023, 15, 1174.	1.2	3
5431	NSP variation on SWAT with high-resolution data: A case study. Open Geosciences, 2023, 15 , .	0.6	0

#	Article	IF	Citations
5432	Future water security under climate change: a perspective of the Grand River Watershed. Journal of Water and Climate Change, 2023, 14, 1433-1446.	1.2	2
5433	Simulation of the effects of climate change, crop pattern change, and developing irrigation systems on the groundwater resources by SWAT, WEAP and MODFLOW models: a case study of Fars province, Iran. Environment, Development and Sustainability, 0, , .	2.7	1
5434	Ecosystem service assessment under ecological restoration programs: A systematic review of studies from China. Frontiers in Ecology and Evolution, $0,11,.$	1.1	2
5435	Setting an ecological flow regime in a Mediterranean basin with limited data availability: The Locone River case study (S-E Italy). Ecohydrology and Hydrobiology, 2023, 23, 346-360.	1.0	4
5436	River Flow Simulation Using SWAT Physically Based Model in Barandouzchay of Urmia Lake River Basin. Journal of Watershed Management Research, 2020, 11, 31-42.	0.0	0
5437	Estimation of potential nutrient fluxes from the Wadi Gaza catchment into the Mediterranean Sea with emphasis on flooding events. H2Open Journal, 2023, 6, 105-113.	0.8	0
5438	Evaluating the impacts of sustainable land management practices on water quality in an agricultural catchment in Lower Austria using SWAT. Environmental Monitoring and Assessment, 2023, 195, .	1.3	0
5439	Future of birds nesting on river islands in the conditions of hydrological variability caused by climate change. Ecohydrology and Hydrobiology, 2023, , .	1.0	0
5440	Modeling the impacts of best management practices (BMPs) on pollution reduction in the Yarra River catchment, Australia. Applied Water Science, 2023, 13, .	2.8	4
5441	Risk assessment of flash flood situation under land use change using daily SWAT streamflow simulation in Loei Basin, Northeastern, Thailand. IOP Conference Series: Earth and Environmental Science, 2023, 1151, 012015.	0.2	0
5442	Multi-parameter approaches for improved ensemble prediction accuracy in hydrology and water quality modeling. Journal of Hydrology, 2023, 622, 129458.	2.3	7
5443	Development of simple semi-distributed approaches for modelling complex rainfall–runoff process. Hydrological Sciences Journal, 2023, 68, 998-1015.	1.2	0
5444	Impacts of Climate Change on Hydrological Regimes in the Congo River Basin. Sustainability, 2023, 15, 6066.	1.6	4
5445	Modelling impacts of climate change and anthropogenic activities on inflows and sediment loads of wetlands: case study of the Anzali wetland. Scientific Reports, 2023, 13, .	1.6	45
5446	Modelling maize yield impacts of improved water and fertilizer management in southern Africa using Cropping System Model coupled to an Agro–Hydrological Model at field and catchment scale. Journal of Agricultural Science, 0, , 1-58.	0.6	0
5447	The Impacts of Climate Change and Wetland Restoration on the Water Balance Components of the Coastal Wetland. , 0, , .		0
5448	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
5449	Combining Downscaled Global Climate Model Data with SWAT to Assess Regional Climate Change Properties and Hydrological Responses. KSCE Journal of Civil Engineering, 0, , .	0.9	0

#	Article	IF	CITATIONS
5450	Assessing the impact of climate change on the hydrology of Gidabo river sub-basin, Ethiopian Rift Valley Lakes Basin. Sustainable Water Resources Management, 2023, 9, .	1.0	1
5451	System Dynamics Approach for Water Resources Management: A Case Study from the Souss-Massa Basin. Water (Switzerland), 2023, 15, 1506.	1.2	6
5452	Discretization approach for large-scale sediment modeling: calibration strategies based on hydro-sediment variability at a range of spatial scales. Revista Brasileira De Recursos Hidricos, 0, 28, .	0.5	0
5453	Spatial Variability of Best Management Practices Effectiveness on Water Quality within the Yazoo River Watershed. Hydrology, 2023, 10, 92.	1.3	O
5454	Medium Term Streamflow Prediction Based on Bayesian Model Averaging Using Multiple Machine Learning Models. Water (Switzerland), 2023, 15, 1548.	1.2	2
5455	Modeling of uncertainty in the estimation of hydrograph components in conjunction with the SUFI-2 optimization algorithm by using multiple objective functions. Modeling Earth Systems and Environment, 2024, 10, 61-79.	1.9	2
5456	Effects of heavy rain on the concentrations and forms of carbon, nitrogen and phosphorus in urban rivers of northern China. Environmental Science and Pollution Research, 0, , .	2.7	0
5458	Simulated Ecosystem and Farm-Level Economic Impacts of Conservation Tillage in a Northeastern Iowa County. Agriculture (Switzerland), 2023, 13, 891.	1.4	3
5459	Estimation of Surface-Subsurface Water Balance in Lower Tapi River Basin Using Gridded Data and Station-Based Observed Data. ISH Journal of Hydraulic Engineering, 0 , 1 - 11 .	1.1	0
5460	Analysing impacts of hydropower development on streamflow of Srepok river basin, Vietnam. IOP Conference Series: Earth and Environmental Science, 2023, 1170, 012022.	0.2	O
5461	Evaluating the groundwater recharge requirement and restoration in the Kanari river, India, using SWAT model. Environment, Development and Sustainability, 0, , .	2.7	1
5462	Investigating the influence of future landuse and climate change on hydrological regime of a humid tropical river basin. Environmental Earth Sciences, 2023, 82, .	1.3	9
5463	Identifying the critical areas and primary sources for agricultural non-point source pollution management of an emigrant town within the Three Gorges reservoir area. Environmental Monitoring and Assessment, 2023, 195, .	1.3	3
5464	Coupling of SWAT and EPIC Models to Investigate the Mutual Feedback Relationship between Vegetation and Soil Erosion, a Case Study in the Huangfuchuan Watershed, China. Forests, 2023, 14, 844.	0.9	1
5465	Development of a linear–nonlinear hybrid special model to predict monthly runoff in a catchment area and evaluate its performance with novel machine learning methods. Applied Water Science, 2023, 13, .	2.8	1
5466	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
5498	Assessment of Flood Frequency Pattern in a Complex Mountainous Terrain Using the SWAT Model Simulation. , 0, , .		0
5522	A review of water quality models and monitoring methods for capabilities of pollutant source identification, classification, and transport simulation. Reviews in Environmental Science and Biotechnology, 0, , .	3.9	1

#	Article	IF	CITATIONS
5523	Comparative Assessment of Runoff by SCS-CN and GIS Methods in Un-Gauged Watershed: An Appraisal of Denwa Watershed. Algorithms for Intelligent Systems, 2023, , 461-477.	0.5	0
5540	Reservoir Sedimentation Analysis Using SWAT Model. Lecture Notes in Civil Engineering, 2023, , 167-180.	0.3	0
5541	Comparison of Different Climate Models Projections for Watershed Using Soil and Water Assessment Tool: A Case Study of Middle Tapi Sub-basin. Lecture Notes in Civil Engineering, 2023, , 1-22.	0.3	0
5542	Assessment of Future Land Use Land Cover Change Impacts on Hydrologic Regime of a River Basin. Lecture Notes in Civil Engineering, 2023, , 109-122.	0.3	O
5543	The Role of Objective Functions in Assessment of Water Balance Components Using SUFI-2 Algorithm in Semi-arid Basin. Lecture Notes in Civil Engineering, 2023, , 91-107.	0.3	0
5545	Model Performance Evaluation using Streamflow and Potential Evapotranspiration over Middle Tapi Basin, India. Lecture Notes in Civil Engineering, 2023, , 23-33.	0.3	0
5618	Changing Hydro-climatological Response of Bhadar Basin in Western India. Lecture Notes in Civil Engineering, 2023, , 265-277.	0.3	0
5619	Future Climate Change Impacts on the Stream Flow—A River Basin Scale Assessment. Lecture Notes in Civil Engineering, 2023, , 203-219.	0.3	0
5620	Modelling of Streamflow Considering the Effects of Land Use Land Cover Change Over the Sabari River Basin, India. Lecture Notes in Civil Engineering, 2023, , 221-233.	0.3	0
5632	Soil erosion in diverse agroecological regions of India: a comprehensive review of USLE-based modelling. Environmental Monitoring and Assessment, 2023, 195, .	1.3	4
5678	Streamflow Assessment of Mountainous River Basin Using SWAT Model. Lecture Notes in Civil Engineering, 2024, , 1-10.	0.3	0
5690	Modeling Water Erosion., 2023,, 53-71.		0
5724	Modeling Marine Ecosystem Services. , 2024, , 236-253.		0
5728	Estimation of Blue and Green Water Potentials of TÃ $\frac{1}{4}$ rkiye under Global Climate Change Effects. , 2023, , .		0
5767	Analyzing the Impact of Food-Energy-Water Nexus-Based Agricultural Patterns on Regional Water Resources. Environmental Science and Engineering, 2023, , 121-129.	0.1	0
5776	Review article: Towards improved drought prediction in the Mediterranean region – modeling approaches and future directions. Natural Hazards and Earth System Sciences, 2023, 23, 3543-3583.	1.5	0
5793	Advanced Techniques in Estimating Soil Erosion and Associated Carbon Loss in the Himalayan Region. , 2023, , 341-371.		0
5902	The Review of Potential Applications and Modification Approaches of SWAT for Efficient Environmental Management, an Engineering Approach. , 2024, , 377-395.		0

#	Article	IF	CITATIONS
5914	Modeling Daily Streamflow from Idamalayar Catchment Using SWAT. Lecture Notes in Civil Engineering, 2024, , 361-371.	0.3	0
5933	Hydrological simulation of runoff for stream flow prediction using SWAT model and GIS techniques over palar River Basin, India. AIP Conference Proceedings, 2024, , .	0.3	0
5938	Toward Selection and Improving the Performance of the SWAT Hydrological Model: A Review. Lecture Notes in Civil Engineering, 2024, , 309-323.	0.3	0
5949	Sustainable Management of Water Resources in a Semi-arid River Basin Under Climate Change: A Case Study in South Africa., 2024, , 183-209.		O