

CITATION REPORT

List of articles citing

VALIDATION OF THE SWAT MODEL ON A LARGE RWER BASIN WITH POINT AND NONPOINT SOURCES¹

DOI: 10.1111/j.1752-1688.2001.tb03630.x

Journal of the American Water Resources Association,
2001, 37, 1169-1188.

Source: <https://exaly.com/paper-pdf/33210002/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
977	Current awareness. 2002 , 16, 3741-3743		
976	INTEGRATION OF WATERSHED TOOLS AND SWAT MODEL INTO BASINS ¹ . <i>Journal of the American Water Resources Association</i> , 2002 , 38, 1127-1141	2.1	104
975	Application of swat model in the upstream watershed of the Luohe River. <i>Chinese Geographical Science</i> , 2003 , 13, 334-339	2.9	15
974	Identification and Prioritisation of Critical Sub-watersheds for Soil Conservation Management using the SWAT Model. 2003 , 85, 365-379		137
973	GIS BASED LONG TERM HYDROLOGIC IMPACT EVALUATION FOR WATERSHED URBANIZATION ¹ . <i>Journal of the American Water Resources Association</i> , 2003 , 39, 623-635	2.1	29
972	THE USE OF BINARY OPTIMIZATION AND HYDROLOGIC MODELS TO FORM RIPARIAN BUFFERS ¹ . <i>Journal of the American Water Resources Association</i> , 2003 , 39, 1167-1180	2.1	17
971	WATER QUALITY MODEL OUTPUT UNCERTAINTY AS AFFECTED BY SPATIAL RESOLUTION OF INPUT DATA ¹ . <i>Journal of the American Water Resources Association</i> , 2003 , 39, 977-986	2.1	93
970	Effects of land use changes on the nutrient balance in mesoscale catchments. 2003 , 28, 1301-1309		36
969	A multi-model approach for sustainable agriculture in the US corn belt. 2003 ,		
968	SWAT Model Background and Application Reviews. 2003 ,		1
967	Examination of the Role of Physical Resolution and Scale on Sediment and Nutrient Yields. 2004 , 1		
966	Methodology for Analyzing Ranges of Uncertain Model Parameters and Their Impact on Total Maximum Daily Load Process. 2004 , 130, 648-656		22
965	CAN WATER QUALITY TRADING HELP MANAGE THE LAKE LEWISVILLE RESERVOIR?. 2004 , 2004, 208-221		
964	A GIS-Coupled Hydrological Model System for the Watershed Assessment of Agricultural Nonpoint and Point Sources of Pollution. 2004 , 8, 113-136		99
963	DETERMINING CRITICAL WATER QUALITY CONDITIONS FOR INORGANIC NITROGEN IN DRY, SEMI-URBANIZED WATERSHEDS ¹ . <i>Journal of the American Water Resources Association</i> , 2004 , 40, 721-735 ^{2,1}		15
962	Variable selection for modelling effects of eutrophication on stream and river ecosystems. 2004 , 177, 17-39		60
961	Hydrological modelling of a small watershed using generated rainfall in the soil and water assessment tool model. 2004 , 18, 1811-1821		28

960	Simulating daily soil water under foothills fescue grazing with the soil and water assessment tool model (Alberta, Canada). 2004 , 18, 2787-2800		44
959	Impacts of climate change on streamflow in the Upper Mississippi River Basin: A regional climate model perspective. 2004 , 109,		135
958	Implementing river water quality modelling issues in mesoscale watershed models for water policy demands—An overview on current concepts, deficits, and future tasks. 2004 , 29, 725-737		55
957	Evaluation of Long-Term Performance of Best Management Practices in Two Small Watersheds. 2005 , 2005, 289-309		
956	Tracking Effects of Pollution Sources on In-Stream Water Quality Using a Modeling Approach. 2005 , 1		
955	Modelling of an Agricultural Watershed using Remote Sensing and a Geographic Information System. 2005 , 90, 331-347		35
954	CURVE NUMBER HYDROLOGY IN WATER QUALITY MODELING: USES, ABUSES, AND FUTURE DIRECTIONS ¹ . <i>Journal of the American Water Resources Association</i> , 2005 , 41, 377-388	2.1	157
953	SENSITIVITY ANALYSIS, CALIBRATION, AND VALIDATIONS FOR A MULTISITE AND MULTIVARIABLE SWAT MODEL ¹ . <i>Journal of the American Water Resources Association</i> , 2005 , 41, 1077-1089	2.1	269
952	An analysis of high-flow sediment event data for evaluating model performance. 2005 , 19, 605-620		20
951	Development of effective management plan for critical subwatersheds using SWAT model. 2005 , 19, 809-826		68
950	HYDROLOGICAL MODELING OF THE L'ANGUILLE RIVER WATERSHED USING SOIL AND WATER ASSESSMENT TOOL. 2005 ,		
949	INFLUENCE OF HYDROLOGIC RESPONSE UNIT (HRU) DISTRIBUTION ON SWAT MODEL FLOW AND SEDIMENT PREDICTIONS.		
948	Calibration and Validation of Soil and Water Assessment Tool on an Agricultural Watershed in Upstate New York. 2005 , 10, 363-374		69
947	Sensitivity and uncertainty analysis coupled with automatic calibration for a distributed watershed model. <i>Journal of Hydrology</i> , 2005 , 306, 127-145	6	372
946	Integrated Catchment Modeling for Nutrient Reduction: Scenarios Showing Impacts, Potential, and Cost of Measures. 2005 , 34, 513-520		37
945	Characterization of fate and transport of isoxaflutole, a soil-applied corn herbicide, in surface water using a watershed model. 2005 , 53, 8848-58		18
944	Validation of a 3-D enhancement of the Universal Soil Loss Equation for prediction of soil erosion and sediment deposition. 2005 , 64, 281-296		42
943	Decision Support for Watershed Management Using Evolutionary Algorithms. 2005 , 131, 35-44		65

942	Integrating stakeholder values with multiple attributes to quantify watershed performance. 2006 , 42,		9
941	Cost-effective allocation of watershed management practices using a genetic algorithm. 2006 , 42,		129
940	Calibration and Validation of SWAT for Field-scale Sediment-Yield Prediction. 2006 ,		
939	Uso do modelo AVSWAT na avaliaçã do aporte de nitrogênio (N) e fósforo (P) aos mananciais de uma microbacia hidrográica contendo atividade avícola. 2006 , 11, 311-317		4
938	A Numerical Simulation of Nutrient Transport in Taihu Basin.		2
937	Nitrate pollution risk assessment: from the model to the indicator. 2006 , 5, 206		7
936	ARCGIS-SWAT: A GEODATA MODEL AND GIS INTERFACE FOR SWAT1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 295-309	2.1	117
935	ROLE OF WATERSHED SUBDIVISION ON MODELING THE EFFECTIVENESS OF BEST MANAGEMENT PRACTICES WITH SWAT1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 513-528	2.1	112
934	EFFECTS OF INITIAL ABSTRACTION AND URBANIZATION ON ESTIMATED RUNOFF USING CN TECHNOLOGY1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 629-643	2.1	72
933	GIS-BASED WATER QUALITY MODELING IN THE SANDUSKY WATERSHED, OHIO, USA1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 957-973	2.1	24
932	CLIMATE CHHANGE SENSITIVITY ASSESSMENT ON UPPER MISSISSIPPI RIVER BASIN STREAMFLOWS USING SWAT1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 997-1015	2.1	150
931	A modeling approach to evaluate the impacts of water quality management plans implemented in a watershed in Texas. 2006 , 21, 1141-1157		199
930	Effects of calibration on L-THIA GIS runoff and pollutant estimation. 2006 , 78, 35-43		48
929	Evaluation of management alternatives for an agricultural watershed in a sub-humid subtropical region using a physical process based model. 2006 , 113, 62-72		113
928	Preliminary study on assessment of nutrient transport in the Taihu Basin based on SWAT modeling. 2006 , 49, 135-145		27
927	Hydrologic Modeling of an Eastern Pennsylvania Watershed with NEXRAD and Rain Gauge Data. 2006 , 11, 555-569		72
926	Prediction of Suspended Sediment in Imha Reservoir, Korea. 2007 ,		
925	Influence of Landscape and Cropping System on Phosphorus Mobility within the Pike River Watershed of Southwestern Quebec: Model Parameterization and Validation. 2007 , 32, 21-42		11

924	MODELING PHOSPHORUS LOADING IN AN URBAN DRINKING WATER SOURCE WATERSHED. 2007 , 2007, 5666-5677		
923	Development of the HSPF-Paddy model to estimate watershed pollutant loads in paddy farming regions. <i>Agricultural Water Management</i> , 2007 , 90, 75-86	5.9	41
922	A probabilistic approach for analysis of uncertainty in the evaluation of watershed management practices. <i>Journal of Hydrology</i> , 2007 , 333, 459-471	6	139
921	Hydrological modelling of a small catchment using SWAT-2000 ¶Ensuring correct flow partitioning for contaminant modelling. <i>Journal of Hydrology</i> , 2007 , 334, 64-72	6	44
920	Cannonsville Reservoir Watershed SWAT2000 model development, calibration and validation. <i>Journal of Hydrology</i> , 2007 , 337, 68-86	6	110
919	Multi-objective automatic calibration of SWAT using NSGA-II. <i>Journal of Hydrology</i> , 2007 , 341, 165-176	6	231
918	Multiobjective sensitivity analysis of sediment and nitrogen processes with a watershed model. 2007 , 43,		32
917	Simulation de l'effet de changements de pratiques agricoles sur la qualit' des eaux avec le mod'le SWAT. 2007 , 20, 395-408		9
916	Hydrologic and atrazine simulation of the Cedar Creek Watershed using the SWAT model. 2007 , 36, 521-31		65
915	Modeling riverine nitrate export from an East-Central Illinois watershed using SWAT. 2007 , 36, 996-1005		56
914	Assessing the model performance of an integrated hydrological and biogeochemical model for discharge and nitrate load predictions. 2007 , 11, 997-1011		14
913	Small Reservoir Impact on Simulated Watershed-Scale Nutrient Yield. 2007 , 2007, 1-4		1
912	Storm event simulations in the Upper North Bosque River Watershed. 2007 ,		
911	Development of Optimization Module in the WHAT System for Accurate Hydrograph Analysis and Model Application. 2007 ,		
910	Hydrological effects of climate change, groundwater withdrawal, and land use in a small Korean watershed. 2007 , 21, 3046-3056		54
909	Calibration and Validation of ADAPT and SWAT for Field-Scale Runoff Prediction1. <i>Journal of the American Water Resources Association</i> , 2007 , 43, 899-910	2.1	26
908	Modeling Hydrology in a Small Rocky Mountain Watershed Serving Large Urban Populations1. <i>Journal of the American Water Resources Association</i> , 2007 , 43, 875-887	2.1	21
907	Evaluation of Three Watershed-Scale Pesticide Environmental Transport and Fate Models1. <i>Journal of the American Water Resources Association</i> , 2007 , 43, 1424-1443	2.1	33

906	A Hydrologic/Water Quality Model Applicati11. <i>Journal of the American Water Resources Association</i> , 2007 , 43, 1223-1236	2.1	144
905	The non-point source pollution in livestock-breeding areas of the Heihe River basin in Yellow River. 2007 , 21, 213-221		35
904	Effect of climate change on watershed system: a regional analysis. 2008 , 89, 263-280		112
903	A Stream Network Model for Integrated Watershed Modeling. 2008 , 13, 291-303		13
902	Assessment of economic and water quality impacts of land use change using a simple bioeconomic model. 2008 , 42, 122-31		18
901	Numerical simulations of nutrient transport changes in Honghu Lake Basin, Jiangnan Plain. 2008 , 53, 2353-2363		7
900	Representation of agricultural conservation practices with SWAT. 2008 , 22, 3042-3055		233
899	Monitoring and modelling diffuse pollution from agriculture for policy support: UK and European experience. 2008 , 11, 97-101		77
898	Nitrate transport in Chalk catchments: monitoring, modelling and policy implications. 2008 , 11, 125-135		51
897	Spatial Calibration and Temporal Validation of Flow for Regional Scale Hydrologic Modeling1. <i>Journal of the American Water Resources Association</i> , 2008 , 44, 829-846	2.1	51
896	Nutrient Bioassays of Growth Parameters for Algae in the North Bosque River of Central Texas1. <i>Journal of the American Water Resources Association</i> , 2008 , 44, 1219-1230	2.1	3
895	Hydrologic Calibration and Validation of SWAT in a Snow-Dominated Rocky Mountain Watershed, Montana, U.S.A.1. <i>Journal of the American Water Resources Association</i> , 2008 , 44, 1411-1430	2.1	86
894	The influence of impoundments on riverine nutrient transport: An evaluation using the Soil and Water Assessment Tool. <i>Journal of Hydrology</i> , 2008 , 355, 131-147	6	59
893	Spatial modeling of land cover change and watershed response using Markovian cellular automata and simulation. 2008 , 44,		27
892	Spatial Distributions and Stochastic Parameter Influences on SWAT Flow and Sediment Predictions. 2008 , 13, 258-269		43
891	Integrated watershed management for mitigating streamflow depletion in an urbanized watershed in Korea. 2008 , 33, 382-394		21
890	Land use impact on the Uruguay River discharge. 2008 , 35, n/a-n/a		32
889	Multi-Scenario Simulation Analysis in prioritizing management options for an impacted watershed system. 2008 , 8, 3-15		7

888	Spatial Variability and Persistence of Soil Moisture in Oklahoma. 2008 , 29, 121-139	3
887	Modeling runoff and sediment yields from combined in-field crop practices using the Soil and Water Assessment Tool. 2008 , 63, 193-203	7
886	Stochastic Residual-Error Analysis for Estimating Hydrologic Model Predictive Uncertainty. 2008 , 13, 585-596	12
885	Application of the Soil and Water Assessment Tool and Annualized Agricultural Non-Point Source models in the St. Joseph River watershed. 2008 , 63, 552-568	25
884	Analysis of Uncertainty in Evaluation of Watershed Management Practices. 2008 ,	
883	Predicting effects of best management practices on sediment loads to improve watershed management in the Midwest, USA. 2008 , 6, 243-256	6
882	A remote sensing based methodology of delineating stream channel morphology. 2008 ,	
881	AnnAGNPS Application and Evaluation in NE Indiana. 2008 ,	1
880	The Connectivity of Upland and Instream Processes. 2009 ,	
879	Modeling phosphorus in the Lake Allatoona watershed using SWAT: I. Developing phosphorus parameter values. 2009 , 38, 111-20	19
878	Modelling water-harvesting systems in the arid south of Tunisia using SWAT. 2009 , 13, 2003-2021	54
877	Assessing the water quality impacts of future land-use changes in an urbanising watershed. 2009 , 26, 3-18	25
876	Soil and Water Assessment Tool evaluation of soil and land use geographic information system data sets on simulated stream flow. 2009 , 64, 17-32	17
875	A comparison of performance of several artificial intelligence methods for forecasting monthly discharge time series. <i>Journal of Hydrology</i> , 2009 , 374, 294-306	6 539
874	Calibration and uncertainty analysis of the SWAT model using Genetic Algorithms and Bayesian Model Averaging. <i>Journal of Hydrology</i> , 2009 , 374, 307-317	6 169
873	Quantifying predictive uncertainty for a mountain-watershed model. <i>Journal of Hydrology</i> , 2009 , 376, 170-181	6 33
872	Application of the SWAT model to an AMD-affected river (Meca River, SW Spain). Estimation of transported pollutant load. <i>Journal of Hydrology</i> , 2009 , 377, 445-454	6 44
871	Hydrological modelling of the Kangsabati river under changed climate scenario: case study in India. 2009 , 23, 2394-2406	31

870	Long-term effects of management practices on water-driven soil erosion in an intense agricultural sub-watershed: monitoring and modelling. 2009 , 23, 2818-2837		65
869	Simulation of nitrogen and phosphorus loads in the Dongjiang River basin in South China using SWAT. 2009 , 3, 273-278		15
868	GIS-based urban rainfall-runoff modeling using an automatic catchment-discretization approach: a case study in Macau. 2009 , 59, 465-472		59
867	Evaluation of effective management plan for an agricultural watershed using AVSWAT model, remote sensing and GIS. 2009 , 56, 993-1008		11
866	Approximating SWAT Model Using Artificial Neural Network and Support Vector Machine1. <i>Journal of the American Water Resources Association</i> , 2009 , 45, 460-474	2.1	86
865	Modeling the Spatially Varying Water Balance Processes in a Semiarid Mountainous Watershed of Idaho1. <i>Journal of the American Water Resources Association</i> , 2009 , 45, 1390-1408	2.1	22
864	Modeling the effects of riparian buffer zone and contour strips on stream water quality. 2009 , 35, 1167-1177		76
863	Research on the SCS-CN initial abstraction ratio using rainfall-runoff event analysis in the Three Gorges Area, China. 2009 , 77, 1-7		125
862	Towards the implementation of the European Water Framework Directive?. 2009 , 26, 580-588		127
861	Impacts of Urbanization on Surface Runoff of the Dardenne Creek Watershed, St. Charles County, Missouri. 2009 , 30, 556-573		39
860	An ecologically-sustainable surface water withdrawal framework for cropland irrigation: a case study in Alabama. 2010 , 46, 302-13		6
859	Simulated wetland conservation-restoration effects on water quantity and quality at watershed scale. 2010 , 91, 1511-25		49
858	Simulation of Agricultural Management Alternatives for Watershed Protection. 2010 , 24, 3115-3144		89
857	Influence of Scale on SWAT Model Calibration for Streamflow in a River Basin in the Humid Tropics. 2010 , 24, 4567-4578		56
856	Evaluation of non-point source pollution reduction by applying best management practices using a SWAT model and QuickBird high resolution satellite imagery. 2010 , 22, 826-33		63
855	Development of genetic algorithm-based optimization module in WHAT system for hydrograph analysis and model application. 2010 , 36, 936-944		52
854	On the use of multi-algorithm, genetically adaptive multi-objective method for multi-site calibration of the SWAT model. 2010 , 24, 955-969		95
853	Assessing sensitivity of hydrologic responses to climate change from forested watershed in Mississippi. 2010 , 24, 3785-3797		41

852	Model AVSWAT apropos of simulating non-point source pollution in Taihu lake basin. 2010 , 174, 824-30		30
851	Analysis of the soil and water assessment tool (SWAT) to model Cryptosporidium in surface water sources. 2010 , 106, 303-314		16
850	Hydrological and water quality modeling in a medium-sized basin using the Soil and Water Assessment Tool (SWAT). 2010 , 250, 274-286		55
849	Modeling of Sediment Yield From Anjeni-Gauged Watershed, Ethiopia Using SWAT Model1. <i>Journal of the American Water Resources Association</i> , 2010 , 46, 514-526	2.1	95
848	Ensemble modelling of nitrogen fluxes: data fusion for a Swedish meso-scale catchment. 2010 , 14, 2383-2397		20
847	Modeling of phosphorus loads in sugarcane in a low-relief landscape using ontology-based simulation. 2010 , 39, 1751-61		1
846	Streamflow sensitivity to climate and land cover changes: Meki River, Ethiopia. 2010 , 14, 2277-2287		27
845	Notice of Retraction: Hydrologic impact of climate change on the Mississippi River. 2010 ,		
844	Development of Soil and Water Assessment Tool Model on Human Water Use and Application in the Area of High Human Activities, Tianjin, China. 2010 , 136, 23-30		9
843	A combined watershed water quality modeling analysis of the Lake Waco reservoir: II. Watershed and reservoir management options and outcomes. 2010 , 26, 159-167		8
842	A combined watershed water quality modeling analysis of the Lake Waco reservoir: I. Calibration and confirmation of predicted water quality. 2010 , 26, 147-158		18
841	Development of a pathogen transport model for Irish catchments using SWAT. <i>Agricultural Water Management</i> , 2010 , 97, 101-111	5.9	62
840	Modelling point and diffuse source pollution of nitrate in a rural lowland catchment using the SWAT model. <i>Agricultural Water Management</i> , 2010 , 97, 317-325	5.9	100
839	Development of DRAINWARMF model to simulate flow and nitrogen transport in a tile-drained agricultural watershed in Eastern Canada. <i>Agricultural Water Management</i> , 2010 , 98, 55-68	5.9	11
838	Groundwater impacts due to conservation reserve program in Texas County, Oklahoma. 2010 , 30, 317-328		12
837	Two-Way Calibration-Validation of SWAT Model for a Small Prairie Watershed with Short Observed Record. 2011 , 36, 247-270		14
836	Relative dominance of hydrologic versus biogeochemical factors on solute export across impact gradients. 2011 , 47,		166
835	A study on the impact of climate change on streamflow at the watershed scale in the humid tropics. 2011 , 56, 946-965		26

834	Hydrological impact of biofuel production: A case study of the Khlong Phlo Watershed in Thailand. <i>Agricultural Water Management</i> , 2011 , 101, 8-26	5.9	48
833	Seasonal and land use impacts on the nitrate budget and export of a mesoscale catchment in Southern Portugal. <i>Agricultural Water Management</i> , 2011 , 102, 54-65	5.9	29
832	Application of the Soil and Water Assessment Tool for six watersheds of Lake Erie: Model parameterization and calibration. 2011 , 37, 263-271		48
831	Impacts of Land Cover Changes on Hydrologic Responses: A Case Study of Chi River Basin, Thailand. 2011 , 67, 1_31-1_36		9
830	Modeling sediment and nitrogen export from a rural watershed in eastern Canada using the soil and water assessment tool. 2011 , 40, 1182-94		45
829	Quantifying the hydrological responses to climate change in an intact forested small watershed in Southern China. 2011 , 17, 3736-3746		154
828	Modeling of Escherichia coli Fluxes on a Catchment and the Impact on Coastal Water and Shellfish Quality1. <i>Journal of the American Water Resources Association</i> , 2011 , 47, 350-366	2.1	36
827	Importance of Crop Yield in Calibrating Watershed Water Quality Simulation Tools1. <i>Journal of the American Water Resources Association</i> , 2011 , 47, 1285-1297	2.1	47
826	Modeling effectiveness of agricultural BMPs to reduce sediment load and organophosphate pesticides in surface runoff. 2011 , 409, 1949-58		86
825	Impact of climate change on stream discharge and sediment yield in Northern Viet Nam. 2011 , 38, 827-836		35
824	Water quantity and quality optimization modeling of dams operation based on SWAT in Wenyu River Catchment, China. 2011 , 173, 409-30		38
823	The impact of agricultural Best Management Practices on water quality in a North German lowland catchment. 2011 , 183, 351-79		119
822	Integrated Use of a Continuous Simulation Model and Multi-Attribute Decision-Making for Ranking Urban Watershed Management Alternatives. 2011 , 25, 641-659		38
821	Evaluating the SWAT Model for Hydrological Modeling in the Xixian Watershed and a Comparison with the XAJ Model. 2011 , 25, 2595-2612		76
820	Application of a multi-objective optimization method to provide least cost alternatives for NPS pollution control. 2011 , 48, 448-61		86
819	Modelling effects of land use/cover changes under limited data. 2011 , 4, 265-276		36
818	Simultaneous calibration of surface flow and baseflow simulations: a revisit of the SWAT model calibration framework. 2011 , 25, 2313-2320		42
817	Integration of remotely sensed C factor into SWAT for modelling sediment yield. 2011 , 25, 3387-3398		17

816	The impacts of climate change on local hydrology and low flow frequency in the Geum River Basin, Korea. 2011 , 25, 3437-3447	37
815	Water quality impact assessment of large-scale biofuel crops expansion in agricultural regions of Michigan. 2011 , 35, 2200-2216	70
814	Phosphorus Cycling in the Estuarine and Coastal Zones. 2011 , 201-229	25
813	Effect of Soil Data Resolution on Identification of Critical Source Areas of Sediment. 2011 , 16, 253-262	14
812	Flow and nutrient transport in intermittent rivers: a modelling case-study on the Vñe River using SWAT 2005. 2011 , 56, 268-287	19
811	A new measure for assessing the efficiency of hydrological data-driven forecasting models. 2012 , 57, 1257-1274	18
810	Using the Agricultural Policy/Environmental eXtender to develop and validate physically based indices for the delineation of critical management areas. 2012 , 67, 284-299	26
809	Sensitivity of SWAT simulated streamflow to climatic changes within the Eastern Nile River basin. 2012 , 16, 391-407	54
808	The Influence of DEM Resolution on Hydrological Simulation in the Huangshui River Basin. 2012 , 518-523, 4299-4302	3
807	Manure nutrient management effects in the Leon River Watershed. 2012 , 67, 147-157	2
806	SWAT-based runoff and sediment simulation in a small watershed, the loessial hilly-gullied region of China: capabilities and challenges. 2012 , 27, 226-234	81
805	A Simple Process-Based Snowmelt Routine to Model Spatially Distributed Snow Depth and Snowmelt in the SWAT Model1. <i>Journal of the American Water Resources Association</i> , 2012 , 48, 1151-1161 ^{2,1}	18
804	Bibliography. 2012 , 422-441	
803	Forecasting performance of LS-SVM for nonlinear hydrological time series. 2012 , 16, 870-882	25
802	Modeling of soil erosion and sediment transport in the East River Basin in southern China. 2012 , 441, 159-68	50
801	Modeling of land use and reservoir effects on nonpoint source pollution in a highly agricultural basin. 2012 , 14, 2350-61	26
800	Hydrologic modelling to assess the climate change impacts in a Southern Ontario watershed. 2012 , 39, 91-103	27
799	Validation of hydrological models: Conceptual basis, methodological approaches and a proposal for a code of practice. 2012 , 42-44, 70-76	82

798	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. <i>Agricultural Water Management</i> , 2012 , 104, 113-120	5.9	75
797	Watershed reliability, resilience and vulnerability analysis under uncertainty using water quality data. 2012 , 109, 101-12		41
796	Modeling the impacts of alternative soil conservation practices for an agricultural watershed with the SWAT model. 2012 , 32, 1205-1213		7
795	SWAT application in intensive irrigation systems: Model modification, calibration and validation. <i>Journal of Hydrology</i> , 2012 , 470-471, 227-238	6	84
794	Evolution of the SCS Runoff Curve Number Method and Its Application to Continuous Runoff Simulation. 2012 , 17, 1221-1229		49
793	Improved SCS-CN ₂ inspired Model. 2012 , 17, 1164-1172		25
792	Hydrological impacts of climate change on streamflow of Dongliao River watershed in Jilin Province, China. <i>Chinese Geographical Science</i> , 2012 , 22, 522-530	2.9	6
791	Implementation of BMP strategies for adaptation to climate change and land use change in a pasture-dominated watershed. 2012 , 9, 3654-84		25
790	Watershed-level comparison of predictability and sensitivity of two phosphorus models. 2012 , 41, 1642-52		12
789	A MULTITAXONOMIC APPROACH TO UNDERSTANDING LOCAL- VERSUS WATERSHED-SCALE INFLUENCES ON STREAM BIOTA IN THE LAKE CHAMPLAIN BASIN, VERMONT, USA. 2012 , 28, 973-988		4
788	Effect of reforestation on nitrogen and phosphorus dynamics in the catchment ecosystems of subtropical China: the example of the Hanjiang River basin. 2012 , 92, 1119-29		13
787	Management strategies for reducing soil degradation through modeling in a GIS environment in northern Ethiopia catchment. 2012 , 92, 255-272		14
786	An improved SWAT-based computational framework for identifying critical source areas for agricultural pollution at the lake basin scale. 2012 , 226, 1-10		66
785	Automating calibration, sensitivity and uncertainty analysis of complex models using the R package Flexible Modeling Environment (FME): SWAT as an example. 2012 , 31, 99-109		66
784	Impacts of biofuels production alternatives on water quantity and quality in the Iowa River Basin. 2012 , 36, 182-191		86
783	Identifying potential areas for biofuel production and evaluating the environmental effects: a case study of the James River Basin in the Midwestern United States. 2012 , 4, 875-888		45
782	Predicting impacts of increased CO ₂ and climate change on the water cycle and water quality in the semiarid James River Basin of the Midwestern USA. 2012 , 430, 150-60		60
781	Evaluation of targeting methods for implementation of best management practices in the Saginaw River Watershed. 2012 , 103, 24-40		90

780	Advancing representation of hydrologic processes in the Soil and Water Assessment Tool (SWAT) through integration of the TOPographic MODEL (TOPMODEL) features. <i>Journal of Hydrology</i> , 2012 , 420-421, 319-328	6	32
779	Changing climatic conditions in the Colorado River Basin: Implications for water resources management. <i>Journal of Hydrology</i> , 2012 , 430-431, 127-141	6	92
778	Development of error correction techniques for nitrate-N load estimation methods. <i>Journal of Hydrology</i> , 2012 , 432-433, 12-25	6	24
777	Modeling and forecasting river flow rate from the Melen Watershed, Turkey. <i>Journal of Hydrology</i> , 2012 , 456-457, 121-129	6	19
776	Simulated watershed scale impacts of corn stover removal for biofuel on hydrology and water quality. 2012 , 26, 1629-1641		58
775	Impact of anticipated climate change on direct groundwater recharge in a humid tropical basin based on a simple conceptual model. 2012 , 26, 1655-1671		8
774	Hydrological effects of the increased CO ₂ and climate change in the Upper Mississippi River Basin using a modified SWAT. 2012 , 110, 977-1003		106
773	Response of non-point source pollutant loads to climate change in the Shitoukoumen reservoir catchment. 2012 , 184, 581-94		20
772	Application of the soil and water assessment tool model on the Lower Porsuk Stream Watershed. 2013 , 27, 453-466		20
771	Hydrological analysis of the Upper Tiber River Basin, Central Italy: a watershed modelling approach. 2013 , 27, 2339-2351		30
770	Simulated runoff responses to land use in the middle and upstream reaches of Taoerhe River basin, Northeast China, in wet, average and dry years. 2013 , 27, 3484-3494		9
769	Assessment of Future Climate Change Impacts on Water Resources of Upper Sind River Basin, India Using SWAT Model. 2013 , 27, 3647-3662		110
768	Modeling the potential impacts of climate change on streamflow in agricultural watersheds of the Midwestern United States. <i>Journal of Hydrology</i> , 2013 , 491, 73-88	6	124
767	The Contribution of the Geospatial Information to the Hydrological Modelling of a Watershed with Reservoirs: Case of Low Oum Er Rbiaa Basin (Morocco). 2013 , 05, 258-268		2
766	Suspended sediment source areas and future climate impact on soil erosion and sediment yield in a New York City water supply watershed, USA. 2013 , 183, 110-119		55
765	Performance evaluation of hydrological models: Statistical significance for reducing subjectivity in goodness-of-fit assessments. <i>Journal of Hydrology</i> , 2013 , 480, 33-45	6	443
764	A Simple Semi-distributed Hydrologic Model to Estimate Groundwater Recharge in a Humid Tropical Basin. 2013 , 27, 1517-1532		10
763	Remote Sensing of Soil and Water Quality in Agroecosystems. 2013 , 224, 1		13

762	Application of a SWAT Model for Hydrological Modeling in the Xixian Watershed, China. 2013 , 18, 1522-1529	23
761	Modifying the Soil and Water Assessment Tool to simulate cropland carbon flux: model development and initial evaluation. 2013 , 463-464, 810-22	39
760	Alternative Land-Use Method for Spatially Informed Watershed Management Decision Making Using SWAT. 2013 , 139, 1413-1423	7
759	Hydrological modelling of the Iberian Wetlands in southeastern South America. <i>Journal of Hydrology</i> , 2013 , 503, 47-54	6 7
758	Modeling of Pathogen Indicator Organisms in a Small-Scale Agricultural Catchment Using SWAT. 2013 , 19, 232-253	48
757	Model Calibration and Uncertainty Analysis for Runoff in the Upper Sind River Basin, India, Using Sequential Uncertainty Fitting. 2013 ,	
756	Water quantity and quality simulation by improved SWAT in highly regulated Huai River Basin of China. 2013 , 27, 11-27	53
755	OpenMI-based integrated sediment transport modelling of the river Zenne, Belgium. 2013 , 47, 193-206	53
754	Evaluation of SWAT sub-daily runoff estimation at small agricultural watershed in Korea. 2013 , 7, 109-119	28
753	Effects of Land-Use and Climate Change on Hydrological Processes in the Upstream of Huai River, China. 2013 , 27, 1263-1278	74
752	MODELLING IRRIGATED WHEAT PRODUCTION USING THE FAO AQUACROP MODEL IN WEST BENGAL, INDIA, FOR SUSTAINABLE AGRICULTURE. 2013 , 62, 50-56	14
751	Three-dimensional model for analysis of spatial and temporal patterns of phytoplankton in Tucuruí reservoir, Pará, Brazil. 2013 , 253, 28-43	33
750	Investigating the effects of point source and nonpoint source pollution on the water quality of the East River (Dongjiang) in South China. 2013 , 32, 294-304	132
749	Analyzing the water budget and hydrological characteristics and responses to land use in a monsoonal climate river basin in South China. 2013 , 51, 1174-86	20
748	Estimation of annual baseflow at ungauged sites in Indiana USA. <i>Journal of Hydrology</i> , 2013 , 476, 13-27	6 55
747	Assessing the impact of future climate change on groundwater recharge in Galicia-Costa, Spain. 2013 , 21, 459-479	34
746	Erosivity, surface runoff, and soil erosion estimation using GIS-coupled runoff-erosion model in the Mamuaba catchment, Brazil. 2013 , 185, 8977-90	16
745	SWAT-Based Streamflow Estimation and Its Responses to Climate Change in the Kadongjia River Watershed, Southern Tibet. 2013 , 14, 1571-1586	9

744	Simulating sediment loading into the major reservoirs in Trinity River Basin. 2013 , 68, 372-383		4
743	Testing a Conceptual Lumped Model in Karst Area, Southwest China. 2013 , 2013, 1-10		8
742	Hydrologic Response to Land Use and Land Cover Changes within the Context of Catchment-Scale Spatial Information. 2013 , 18, 1539-1548		14
741	Parameter Uncertainty Reduction for SWAT Using Grace, Streamflow, and Groundwater Table Data for Lower Missouri River Basin ¹ . <i>Journal of the American Water Resources Association</i> , 2013 , 49, 343-358 ^{2.1}		21
740	Impact of climate change on streamflow in selected river basins in Ghana. 2013 , 58, 773-788		38
739	Assessment of climate change on the future water levels of the Iberian wetlands, Argentina, during the twenty-first century. 2013 , 11, 401-410		7
738	Projecting the land cover change and its environmental impacts in the Cedar River Basin in the Midwestern United States. 2013 , 8, 024025		38
737	Environmentally sustainable management of water demands under changing climate conditions in the Upper Ganges Basin, India. 2013 , 27, 2197-2208		8
736	Regression Modeling of Baseflow and Baseflow Index for Michigan USA. <i>Water (Switzerland)</i> , 2013 , 5, 1797-1815	3	23
735	Simulaõ hidrolõgica em uma bacia hidrogrãfica representativa dos Latossolos na regiãõ Alto Rio Grande, MG. 2013 , 17, 69-76		37
734	GIS based environmental analysis method for rural areas. 2013 ,		
733	Impact of climate change on sediment yield in the Mekong River basin: a case study of the Nam Ou basin, Lao PDR. 2013 , 17, 1-20		126
732	Evaluating Three Hydrological Distributed Watershed Models: MIKE-SHE, APEX, SWAT. <i>Hydrology</i> , 2014 , 1, 20-39	2.8	108
731	Multi-Site Calibration of Linear Reservoir Based Geomorphologic Rainfall-Runoff Models. <i>Water (Switzerland)</i> , 2014 , 6, 2690-2716	3	17
730	Multiobjective calibration for comparing channel sediment routing models in the soil and water assessment tool. 2014 , 43, 110-20		15
729	Climate change and wetland loss impacts on a western river's water quality. 2014 , 18, 4509-4527		22
728	Daily nitrate losses: implication on long-term river quality in an intensive agricultural catchment of southwestern France. 2014 , 43, 46-54		26
727	Transferability of SWAT Models between SWAT2009 and SWAT2012. 2014 , 43, 869-80		21

726	Development of Web-Based RECESS Model for Estimating Baseflow Using SWAT. <i>Sustainability</i> , 2014 , 6, 2357-2378	3.6	11
725	Climate Change Impact on Runoff and Sediment Loads to the Apalachicola River at Seasonal and Event Scales. 2014 , 68, 35-42		8
724	Estimating the effects of climate change on the intensification of monsoonal-driven stream discharge in a Himalayan watershed. 2014 , 28, 6236-6250		19
723	Assessing long-term water quality impacts of reducing phosphorus fertilizer in a US suburban watershed. 2014 , 16, 917-929		3
722	Evaluating the SWAT's snow hydrology over a Northern Quebec watershed. 2014 , 28, 1858-1873		27
721	Water resource assessment along the Blue Nile River, north Africa with a one-dimensional model. 2014 , 167, 394-413		1
720	Assessing the performance and uncertainty analysis of the SWAT and RBNN models for simulation of sediment yield in the Nagwa watershed, India. 2014 , 59, 351-364		38
719	SWAT hydrologic model parameter uncertainty and its implications for hydroclimatic projections in snowmelt-dependent watersheds. <i>Journal of Hydrology</i> , 2014 , 519, 2081-2090	6	43
718	Hydrological study of the water quality of the Beja River according to the SWAT model. 2014 , 52, 2047-2056		1
717	Quantifying the uncertainty of nonpoint source attribution in distributed water quality models: A Bayesian assessment of SWAT's sediment export predictions. <i>Journal of Hydrology</i> , 2014 , 519, 3353-3368		38
716	Quantifying Consequences of Land Use and Rainfall Changes on Maximum Flood Peak in the Lower Nam Phong River Basin. 2014 , 931-932, 791-796		5
715	Long-Term Hydrological Impacts of Land Use/Land Cover Change From 1984 to 2010 in the Little River Watershed, Tennessee. 2014 , 2, 11-21		46
714	A multi-storage groundwater concept for the SWAT model to emphasize nonlinear groundwater dynamics in lowland catchments. 2014 , 28, 5599-5612		60
713	Smart low flow signature metrics for an improved overall performance evaluation of hydrological models. <i>Journal of Hydrology</i> , 2014 , 510, 447-458	6	107
712	Factors affecting algal blooms in a man-made lake and prediction using an artificial neural network. 2014 , 53, 224-233		32
711	Modeling daily chlorophyll a dynamics in a German lowland river using artificial neural networks and multiple linear regression approaches. 2014 , 15, 47-56		30
710	Evaluation of mixed forest evapotranspiration and soil moisture using measured and swat simulated results in a hillslope watershed. 2014 , 18, 315-322		11
709	Streamflow modeling in a fluctuant climate using SWAT: Yass River catchment in south eastern Australia. 2014 , 71, 5241-5254		37

708	Application of SWAT Model for Hydrologic and Water Quality Modeling in Thachin River Basin, Thailand. 2014 , 39, 1671-1684		10
707	How to improve the representation of hydrological processes in SWAT for a lowland catchment □ temporal analysis of parameter sensitivity and model performance. 2014 , 28, 2651-2670		100
706	Integrated hydrological and water quality model for river management: a case study on Lena River. 2014 , 485-486, 474-489		53
705	A modeling approach to evaluating the impacts of policy-induced land management practices on non-point source pollution: A case study of the Liuxi River watershed, China. <i>Agricultural Water Management</i> , 2014 , 131, 1-16	5.9	24
704	Water quality impacts of converting intensively-managed agricultural lands to switchgrass. 2014 , 68, 32-43		20
703	Evaluating Spatial and Temporal Variability of Fecal Coliform Bacteria Loads at the Pelahatchie Watershed in Mississippi. 2014 , 20, 1023-1041		7
702	A new technique to map groundwater recharge in irrigated areas using a SWAT model under changing climate. <i>Journal of Hydrology</i> , 2014 , 519, 1368-1382	6	59
701	Assessing the effect of watershed slopes on recharge/baseflow and soil erosion. 2014 , 12, 169-183		8
700	Development and validation of a basin scale model PCPF-1@SWAT for simulating fate and transport of rice pesticides. <i>Journal of Hydrology</i> , 2014 , 517, 146-156	6	22
699	On the scaling behavior of reliability□resilience□vulnerability indices in agricultural watersheds. 2014 , 40, 136-146		19
698	Influence of changes in developed land and precipitation on hydrology of a coastal Texas watershed. 2014 , 47, 154-167		34
697	Hydrological and Water Quality Assessment in a Suburban Watershed with Mixed Land Uses Using the SWAT Model. 2014 , 19, 816-827		26
696	Improvement of the R-SWAT-FME framework to support multiple variables and multi-objective functions. 2014 , 466-467, 455-66		24
695	Modeling of non-point source nitrogen pollution from 1979 to 2008 in Jiaodong Peninsula, China. 2014 , 28, 3264-3275		8
694	Non-point source pollution modelling using Soil and Water Assessment Tool and its parameter sensitivity analysis in Xin'anjiang catchment, China. 2014 , 28, 1627-1640		47
693	Simulating Landscape Sediment Transport Capacity by Using a Modified SWAT Model. 2014 , 43, 55-66		44
692	Simulation climate change impact on runoff and sediment yield in a small watershed in the basque country, northern Spain. 2014 , 43, 235-45		44
691	Simulating land management options to reduce nitrate pollution in an agricultural watershed dominated by an alluvial aquifer. 2014 , 43, 67-74		41

690	Development and testing of an in-stream phosphorus cycling model for the soil and water assessment tool. 2014 , 43, 215-23	17
689	Analysis of efficiency of pollution reduction measures in rural basin using MIKE Basin model. Case study: Olřva River Basin. 2014 , 62, 43-54	1
688	Assessing SWAT's performance in the Kaskaskia River watershed as influenced by the number of calibration stations used. 2014 , 28, 676-687	22
687	Assessing the impact of climate change on water resources, crop production and land degradation in a semi-arid river basin. 2015 , 46, 854-870	23
686	The NHDPlus dataset, watershed subdivision and SWAT model performance. 2015 , 60, 1690-1708	13
685	From soilscapes to landscapes: A landscape-oriented approach to simulate soil organic carbon dynamics in intensively managed landscapes. 2015 , 120, 2375-2401	32
684	Simulation of upper Kuantan River basin streamflow using SWAT model. 2015 ,	1
683	Post-validation of SWAT model in a coastal watershed for predicting land use/cover change impacts. 2015 , 46, 837-853	17
682	Evaluation of hydrology, suspended sediment and Nickel loads in a small watershed in Basque Country (Northern Spain) using eco-hydrological SWAT model. 2015 , 51, 59-70	7
681	Assessing the transport of total phosphorus from a prairie river basin using SPARROW. 2015 , 29, 4144-4160	9
680	Basin-scale runoff prediction: An Ensemble Kalman Filter framework based on global hydrometeorological data sets. 2015 , 51, 8450-8475	14
679	Global Warming Effects on Faecal Coliform Bacterium Watershed Impairments in Portugal. 2015 , 31, 1344-1353	11
678	Influences of land use and climate changes on hydrologic system in the northeastern river basin of Thailand. 2015 , 6, 325-340	5
677	Climate Change Induced Precipitation Effects on Water Resources in the Peace Region of British Columbia, Canada. 2015 , 3, 264-282	5
676	Performance Evaluation of SWAT Model for Land Use and Land Cover Changes under different Climatic Conditions: A Review. 2015 , 06,	13
675	Estimating sediment and particulate organic nitrogen and particulate organic phosphorous yields from a volcanic watershed characterized by forest and agriculture using SWAT model. 2015 , 51, 23-35	9
674	Modeling Spatiotemporal Precipitation: Effects of Density, Interpolation, and Land Use Distribution. 2015 , 2015, 1-16	18
673	The role of Latin America's land and water resources for global food security: environmental trade-offs of future food production pathways. 2015 , 10, e0116733	35

672	Predicting Hydrological Response to Climate Change in the White Volta Catchment, West Africa. 2015 , 06,		12
671	Modeling the Projected Changes of River Flow in Central Vietnam under Different Climate Change Scenarios. <i>Water (Switzerland)</i> , 2015 , 7, 3579-3598	3	13
670	Evaluation of the current state of distributed watershed nutrient water quality modeling. 2015 , 49, 3278-90		121
669	Analysing the effect of particle size on the disintegration of distiller's spent grain compacts while drying in superheated steam medium. 2015 , 134, 105-116		4
668	Expanding sustainable land management in Ethiopia: Scenarios for improved agricultural water management in the Blue Nile. <i>Agricultural Water Management</i> , 2015 , 158, 166-178	5.9	23
667	. 2015 ,		0
666	Hydrological modeling of the Simly Dam watershed (Pakistan) using GIS and SWAT model. 2015 , 54, 583-594		70
665	Comprehensive hydrologic calibration of SWAT and water balance analysis in mountainous watersheds in northwest China. 2015 , 79-82, 76-85		24
664	Using SWAT to determine reference nutrient conditions for small and large streams. 2015 , 41, 123-135		12
663	Accounting for Conceptual Soil Erosion and Sediment Yield Modeling Uncertainty in the APEX Model Using Bayesian Model Averaging. 2015 , 20,		6
662	Quantifying the impact of urban area expansion on groundwater recharge and surface runoff. 2015 , 150527103244004		16
661	Calibration and Verification of SWMM for Low Impact Development. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 746-757	2.1	109
660	Modeling of sediment yield in Maybar gauged watershed using SWAT, northeast Ethiopia. 2015 , 127, 191-205		97
659	Application of the WEPP model to determine sources of run-off and sediment in a forested watershed. 2015 , 29, 481-497		15
658	Water Resources Impact Assessment Under Climate Change Scenarios in Mediterranean Watersheds. 2015 , 29, 2377-2391		34
657	Uncertainty of runoff projections under changing climate in Wami River sub-basin. 2015 , 4, 333-348		18
656	Mountain-river runoff components and their role in the seasonal development of desert-oases in northwest China. 2015 , 122, 1-15		6
655	Environmental and economic analysis of using SWAT to simulate the effects of switchgrass production on water quality in an impaired watershed. <i>Agricultural Water Management</i> , 2015 , 160, 1-13	5.9	18

654	Response of hydrological processes to land use change and climate variability in the upper Naoli River watershed, northeast China. 2015 , 42, 438-447	6	
653	Multisite Assessment of Hydrologic Processes in Snow-Dominated Mountainous River Basins in Colorado Using a Watershed Model. 2015 , 20, 04015017		10
652	Evaluation of SWAT models performance to simulate streamflow spatial origin. The case of a small forested watershed. <i>Journal of Hydrology</i> , 2015 , 525, 326-334	6	45
651	Hydro-environmental runoff projection under GCM scenario downscaled by Artificial Neural Network in the Namgang Dam watershed, Korea. 2015 , 19, 434-445		3
650	Projected hydrologic changes in monsoon-dominated Himalaya Mountain basins with changing climate and deforestation. <i>Journal of Hydrology</i> , 2015 , 525, 216-230	6	36
649	Climate-Induced Flow Regime Alterations and their Implications for the Lancang River, China. 2015 , 31, 422-432		13
648	The precipitation driven correlation based mapping method (PCM) for identifying the critical source areas of non-point source pollution. <i>Journal of Hydrology</i> , 2015 , 524, 100-110	6	48
647	Sensitivity analysis of SWAT nitrogen simulations with and without in-stream processes. 2015 , 61, 969-987		8
646	Evaluating the influence of spatial resolutions of DEM on watershed runoff and sediment yield using SWAT. 2015 , 124, 1517-1529		24
645	Using detailed monitoring data to simulate spatial sediment loading in a watershed. 2015 , 187, 532		2
644	Adapting SWAT hillslope erosion model to predict sediment concentrations and yields in large Basins. 2015 , 538, 855-75		55
643	Development of integrated catchment and water quality model for urban rivers. 2015 , 27, 593-603		16
642	CFD modeling of methane distribution at a continuous miner face with various curtain setback distances. 2015 , 25, 635-640		24
641	Assessing the impacts of climate change and socio-economic changes on flow and phosphorus flux in the Ganga river system. 2015 , 17, 1098-110		30
640	Streamflow data assimilation in SWAT model using Extended Kalman Filter. <i>Journal of Hydrology</i> , 2015 , 531, 671-684	6	24
639	Multi-site identification of a distributed hydrological nitrogen model using Bayesian uncertainty analysis. <i>Journal of Hydrology</i> , 2015 , 529, 940-950	6	22
638	Assessing the impact of land cover changes on water balance components of White Volta Basin in West Africa. 2015 , 29, 259-267		39
637	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. 2015 , 29, 1467-1487		14

636	Benchmarking land use change impacts on direct runoff in ungauged urban watersheds. 2015 , 79-82, 100-107		17
635	Hybrid ACO-ANN-Based Multi-objective Simulation Optimization Model for Pollutant Load Control at Basin Scale. 2015 , 20, 29-39		21
634	Enhancing modelled water content by dielectric permittivity in stony soils. 2016 , 54, 360		3
633	Aggregate Measures of Watershed Health from Reconstructed Water Quality Data with Uncertainty. 2016 , 45, 709-19		13
632	A Deterministic Model for Predicting Hourly Dissolved Oxygen Change: Development and Application to a Shallow Eutrophic Lake. <i>Water (Switzerland)</i> , 2016 , 8, 41	3	14
631	Drinking and Cleaning Water Use in a Dairy Cow Barn. <i>Water (Switzerland)</i> , 2016 , 8, 302	3	7
630	Hydrological Evaluation of TRMM Rainfall over the Upper Senegal River Basin. <i>Hydrology</i> , 2016 , 3, 15	2.8	20
629	The Modified SEBAL for Mapping Daily Spatial Evapotranspiration of South Korea Using Three Flux Towers and Terra MODIS Data. 2016 , 8, 983		22
628	Simulation of Sediment Yield in a Semi-Arid River Basin under Changing Land Use: An Integrated Approach of Hydrologic Modelling and Principal Component Analysis. <i>Sustainability</i> , 2016 , 8, 1133	3.6	14
627	Sediment Yield at Catchment Scale Using the SWAT (Soil and Water Assessment Tool) Model. 2016 , 181, 326-334		8
626	Estimating Evapotranspiration for Dryland Cropping Systems in the Semiarid Texas High Plains Using SWAT. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 298-314	2.1	23
625	Model for Estimating the Time of Concentration in Watersheds. 2016 , 30, 4083-4096		8
624	HYSTAR Sediment Model: Distributed Two-Dimensional Simulation of Watershed Erosion and Sediment Transport Using Time-Area Routing. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 376-396	2.1	4
623	Applications of Explicitly Incorporated/Post-Processing Measurement Uncertainty in Watershed Modeling. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 523-540	2.1	9
622	Challenges in modelling of water quantity and quality in two contrasting meso-scale catchments in Poland. 2016 , 31, 97-111		8
621	A SWAT modeling approach to assess the impact of climate change on consumptive water use in Lower Chenab Canal area of Indus basin. 2016 , 47, 1025-1037		35
620	Multimodel Approach Using Neural Networks and Symbolic Regression to Combine the Estimated Discharges of Rainfall-Runoff Models. 2016 , 21, 04016022		9
619	Impact of climate change on sediment yield for Naran watershed, Pakistan. 2016 , 31, 212-219		14

618	Assessment of climate change impacts on river hydrology and habitat suitability of <i>Oxyaemacheilus bergianus</i> . Case study: Kordan River, Iran. 2016 , 771, 83-100		11
617	Comparison of BIAS correction techniques for GPCC rainfall data in semi-arid climate. 2016 , 30, 1659-1675		28
616	Identification of soil erosion vulnerable areas in Chandrabhaga river basin: a multi-criteria decision approach. 2016 , 2, 1		31
615	A system dynamics based socio-hydrological model for agricultural wastewater reuse at the watershed scale. <i>Agricultural Water Management</i> , 2016 , 171, 89-107	5.9	22
614	A balanced calibration of water quantity and quality by multi-objective optimization for integrated water system model. <i>Journal of Hydrology</i> , 2016 , 538, 802-816	6	19
613	Streamflow prediction uncertainty analysis and verification of SWAT model in a tropical watershed. 2016 , 75, 1		26
612	Development and evaluation of targeted marginal land mapping approach in SWAT model for simulating water quality impacts of selected second generation biofeedstock. 2016 , 81, 26-39		15
611	Performance of DSSAT-Nwheat across a wide range of current and future growing conditions. 2016 , 81, 27-36		37
610	Water Quality Changes Associated with Cassava Production: Case Study of White Volta Bain. <i>Heliyon</i> , 2016 , 2, e00149	3.6	3
609	Western Lake Erie Basin: Soft-data-constrained, NHDPlus resolution watershed modeling and exploration of applicable conservation scenarios. 2016 , 569-570, 1265-1281		36
608	Fertilizer placement and application timing as strategies to reduce phosphorus loading to Lake Erie. 2016 , 42, 1281-1288		21
607	Model parameter transfer for streamflow and sediment loss prediction with SWAT in a tropical watershed. 2016 , 75, 1		21
606	Modeling soil loss at plot scale with EUROSEM and RUSLE2 at stony soils of Khamesan watershed, Iran. 2016 , 147, 773-788		21
605	Regulators and stakeholders perspectives in a framework for bioenergy development. 2016 , 59, 143-153		13
604	Determination of unit nutrient loads for different land uses in wet periods through modelling and optimization for a semi-arid region. <i>Journal of Hydrology</i> , 2016 , 540, 40-49	6	17
603	Solving the Phosphorus Pollution Puzzle: Synthesis and Directions for Future Research. 2016 , 98, 1334-1359		36
602	Approach of Land Cover Based Asymptotic Curve Number Regression Equation to Estimate Runoff. 2016 , 65, 94-104		8
601	Effect of best management practice implementation on sediment and phosphorus load reductions at subwatershed and watershed scale using SWAT model. 2016 , 31, 386-394		22

600	Investigation of the Curve Number Method For Surface Runoff Estimation In Tropical Regions. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 1155-1169	2.1	9
599	SWMM-5 Nitrate Removal Model for Denitrifying Stormwater Biofilters. 2016 ,		1
598	Dispersed Storage as Stormwater Runoff Control in Consolidated Urban Watersheds with Flash Flood Risk. 2016 , 142, 04016056		13
597	Water availability and agricultural demand: An assessment framework using global datasets in a data scarce catchment, Rokel-Seli River, Sierra Leone. 2016 , 8, 222-234		12
596	Hydrological modelling of wadi Ressoul watershed, Algeria, by HEC-HMS model. 2016 , 31, 139-147		13
595	Hydrological stream flow modeling in the Talar catchment (central section of the Alborz Mountains, north of Iran): Parameterization and uncertainty analysis using SWAT-CUP. 2016 , 30, 57-69		7
594	Different modelling approaches to evaluate nitrogen transport and turnover at the watershed scale. <i>Journal of Hydrology</i> , 2016 , 539, 478-494	6	14
593	Evaluation of surface water quality and heavy metal pollution of Coruh River Basin (Turkey) by multivariate statistical methods. 2016 , 75, 1		31
592	Comparison of the Penman-Monteith method and regional calibration of the Hargreaves equation for actual evapotranspiration using SWAT-simulated results in the Seolma-cheon basin, South Korea. 2016 , 61, 793-800		14
591	Predictive Simulation of Seawater Intrusion in a Tropical Coastal Aquifer. 2016 , 142,		12
590	SWATDRAIN, a new model to simulate the hydrology of agricultural Lands, model development and evaluation. 2016 , 141, 31-47		12
589	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. <i>Agricultural Water Management</i> , 2016 , 175, 61-71	5.9	56
588	A multi-compartment hydrologic model to estimate groundwater recharge in an alluvial-karst system. 2016 , 9, 1		6
587	Numerical study on the urbanisation of Putrajaya and its interaction with the local climate, over a decade. 2016 , 16, 1-24		26
586	A joined multi-metric calibration of river discharge and nitrate loads with different performance measures. <i>Journal of Hydrology</i> , 2016 , 536, 534-545	6	29
585	The influence of watershed subdivision level on model assessment and identification of non-point source priority management areas. 2016 , 87, 110-119		15
584	Assessing the effectiveness of split fertilization and cover crop cultivation in order to conserve soil and water resources and improve crop productivity. <i>Agricultural Water Management</i> , 2016 , 163, 305-318 ^{5.9}		17
583	Pasture BMP effectiveness using an HRU-based subarea approach in SWAT. 2016 , 166, 276-84		12

582	Effect of Irrigation and Climate Variability on Water Quality of Coastal Watersheds: Case Study in Alabama. 2016 , 142, 05015010		3
581	High-Resolution Simulations of Decadal Climate Variability Impacts on Water Yield in the Missouri River Basin with the Soil and Water Assessment Tool (SWAT). 2016 , 17, 2455-2476		13
580	Climate Change Impact on Sediment Yield in the Upper Gilgel Abay Catchment, Blue Nile Basin, Ethiopia. 2016 , 615-644		24
579	Climate change and consequences on the water cycle in the humid Xiangjiang River Basin, China. 2016 , 30, 225-235		15
578	Projection of runoff and sediment yield under coordinated climate change and urbanization scenarios in Doam dam watershed, Korea. 2017 , 8, 235-253		5
577	Breaking walls towards fully open source hydrological modeling. 2017 , 44, 23-30		5
576	Understanding watershed hydrogeochemistry: 1. Development of RT-Flux-PIHM. 2017 , 53, 2328-2345		44
575	SWAT Model calibration and uncertainty analysis for streamflow prediction of the Tons River Basin, India, using Sequential Uncertainty Fitting (SUFI-2) algorithm. 2017 , 3, 1		42
574	Quantifying the effects of conservation practice implementation on predicted runoff and chemical losses under climate change. <i>Agricultural Water Management</i> , 2017 , 186, 51-65	5.9	20
573	Process-based simulation of prairie growth. 2017 , 351, 24-35		14
572	Hydrological modeling of urban catchment using semi-distributed model. 2017 , 3, 683-692		16
571	Application of firefly algorithm-based support vector machines for prediction of field capacity and permanent wilting point. 2017 , 172, 32-38		84
570	Characterization of different heat mitigation strategies in landscape to fight against heat island and improve thermal comfort in hot/humid climate (Part I): Measurement and modelling. 2017 , 32, 523-531		30
569	Evaluation of land use change and groundwater use impact on stream drying phenomena using a grid-based continuous hydrologic model. 2017 , 15, 111-122		4
568	Modeling pesticide diuron loading from the San Joaquin watershed into the Sacramento-San Joaquin Delta using SWAT. 2017 , 121, 374-385		50
567	Modelling water and nutrient fluxes in the Danube River Basin with SWAT. 2017 , 603-604, 196-218		94
566	Non-linear relationship of hydrological drought responding to meteorological drought and impact of a large reservoir. <i>Journal of Hydrology</i> , 2017 , 551, 495-507	6	86
565	Impacts of alternative climate information on hydrologic processes with SWAT: A comparison of NCDC, PRISM and NEXRAD datasets. 2017 , 156, 353-364		25

564	Assessing climate change impacts on fresh water resources of the Athabasca River Basin, Canada. 2017 , 601-602, 425-440	88
563	Modeling Denitrifying Stormwater Biofilters Using SWMM5. 2017 , 143, 04017017	5
562	Identification and prioritization of critical erosion areas based on onsite and offsite effects. 2017 , 156, 1-9	9
561	Simulation of the cumulative hydrological response to green infrastructure. 2017 , 53, 3087-3101	40
560	Assessing ecological impairments in Neotropical rivers of Mexico: calibration and validation of the Biomonitoring Working Party Index. 2017 , 14, 1835-1852	14
559	GIS-based SWMM model for simulating the catchment response to flood events. 2017 , 48, 384-394	27
558	An enhanced SMA based SCS-CN inspired model for watershed runoff prediction. 2017 , 76, 1	15
557	Identifying sustainability challenges on land and water uses: The case of Lake Ziway watershed, Ethiopia. 2017 , 88, 130-143	25
556	Modeling runoff/sediment response to land use/land cover changes using integrated GIS and SWAT model in the Beressa watershed. 2017 , 76, 1	65
555	Satellite-based rainfall estimation and discharge measurement of Middle Indus River, Pakistan. 2017 , 10, 1	1
554	Evaluating the Use of Nash-Sutcliffe Efficiency Coefficient in Goodness-of-Fit Measures for Daily Runoff Simulation with SWAT. 2017 , 22, 05017023	25
553	Application of Water Evaluation and Planning Model for Integrated Water Resources Management: Case Study of Langat River Basin, Malaysia. 2017 , 210, 012024	2
552	Impacts of climate change on the hydro-climatology of the upper Ishikari river basin, Japan. 2017 , 76, 1	23
551	Impact of land-use change on the water resources of the Upper Kharun Catchment, Chhattisgarh, India. 2017 , 17, 2373-2385	12
550	Effect of watershed partitioning on hydrologic parameters and estimation of hydrograph of an ungauged basin: a case study in Gokirmak and Kocanaz, Turkey. 2017 , 10, 1	13
549	Streamflow response to potential land use and climate changes in the James River watershed, Upper Midwest United States. 2017 , 14, 150-166	34
548	Simulation of the Cumulative Hydrological Response to Green Infrastructure. 2017 ,	
547	Evaluation of the Soil Conservation Service curve number methodology using data from agricultural plots. 2017 , 25, 151-167	39

546	Integrated modeling of agricultural scenarios (IMAS) to support pesticide action plans: the case of the Coulouge drinking water catchment area (SW France). 2017 , 24, 6923-6950		6
545	Future climate change impact assessment of watershed scale hydrologic processes in Peninsular Malaysia by a regional climate model coupled with a physically-based hydrology model. 2017 , 575, 12-22		45
544	Effect of Single and Multisite Calibration Techniques on the Parameter Estimation, Performance, and Output of a SWAT Model of a Spatially Heterogeneous Catchment. 2017 , 22, 05016036		29
543	Modeling of nutrient export and effects of management practices in a cold-climate prairie watershed: Assiniboine River watershed, Canada. <i>Agricultural Water Management</i> , 2017 , 180, 235-251	5-9	17
542	Performance of AquaCrop and SIMDualKc models in evapotranspiration partitioning on full and deficit irrigated maize for seed production under plastic film-mulch in an arid region of China. 2017 , 151, 20-32		30
541	Modeling the Effects of Onsite Wastewater Treatment Systems on Nitrate Loads Using SWAT in an Urban Watershed of Metropolitan Atlanta. 2017 , 46, 632-640		6
540	Impact of Length of Dataset on Streamflow Calibration Parameters and Performance of APEX Model. <i>Journal of the American Water Resources Association</i> , 2017 , 53, 1164-1177	2-1	10
539	. 2017 ,		0
538	Simulation of land use scenarios in the Camboriri River Basin using the SWAT model. 2017 , 22,		8
537	Assessment of integrated watershed health based on the natural environment, hydrology, water quality, and aquatic ecology. 2017 , 21, 5583-5602		19
536	Estimating Snow Mass and Peak River Flows for the Mackenzie River Basin Using GRACE Satellite Observations. 2017 , 9, 256		18
535	Simulation of Hydrology and Nutrient Transport in the Hetao Irrigation District, Inner Mongolia, China. <i>Water (Switzerland)</i> , 2017 , 9, 169	3	20
534	Evaluating the Impact of Low Impact Development (LID) Practices on Water Quantity and Quality under Different Development Designs Using SWAT. <i>Water (Switzerland)</i> , 2017 , 9, 193	3	31
533	Modeling Potential Impacts of Climate Change on Streamflow Using Projections of the 5th Assessment Report for the Bernam River Basin, Malaysia. <i>Water (Switzerland)</i> , 2017 , 9, 226	3	15
532	Assessment of Nitrogen Inputs into Hunt River by Onsite Wastewater Treatment Systems via SWAT Simulation. <i>Water (Switzerland)</i> , 2017 , 9, 610	3	4
531	Streamflow and Sediment Yield Prediction for Watershed Prioritization in the Upper Blue Nile River Basin, Ethiopia. <i>Water (Switzerland)</i> , 2017 , 9, 782	3	60
530	The relationship between drought and tourist arrivals: A case study of Kruger National Park, South Africa. 2017 , 9, 471		8
529	Improving Accuracy of River Flow Forecasting Using LSSVR with Gravitational Search Algorithm. 2017 , 2017, 1-23		34

528	Hydrological Modeling and Runoff Mitigation in an Ungauged Basin of Central Vietnam Using SWAT Model. <i>Hydrology</i> , 2017 , 4, 16	2.8	19
527	Comparison of SWAT and GSSHA for High Time Resolution Prediction of Stream Flow and Sediment Concentration in a Small Agricultural Watershed. <i>Hydrology</i> , 2017 , 4, 27	2.8	9
526	Assessing the Effects of Climate Change on Water Quantity and Quality in an Urban Watershed Using a Calibrated Stormwater Model. <i>Water (Switzerland)</i> , 2017 , 9, 464	3	48
525	Modélisation de l'évolution spatiotemporelle du phosphore minéral dans une baie lagunaire hypereutrophe tropicale : la baie lagunaire de Tiagba (Côte d'Ivoire). 2017 , 30, 247-258		1
524	Impact of climate change on hydrological responses of Gumara catchment, in the Lake Tana Basin - Upper Blue Nile Basin of Ethiopia. 2017 , 9, 8-21		5
523	Simulation of Hydro Climatological Impacts Caused by Climate Change: The Case of Hare Watershed, Southern Rift Valley of Ethiopia. 2017 , 08,		3
522	Assessment of the Influence of Rainfall and River Discharge on Sediment Yield in the Upper Tana Catchment in Kenya. 2017 , 08,		3
521	Predicting Tillering of Diverse Sorghum Germplasm across Environments. 2017 , 57, 78-87		7
520	Understanding the Effects of Parameter Uncertainty on Temporal Dynamics of Groundwater-Surface Water Interaction. <i>Hydrology</i> , 2017 , 4, 28	2.8	5
519	Investigating the impacts of typhoon-induced floods on the agriculture in the central region of Vietnam by using hydrological models and satellite data. 2018 , 92, 189-204		10
518	Hydropower generation, flood control and dam cascades: A national assessment for Vietnam. <i>Journal of Hydrology</i> , 2018 , 560, 109-126	6	27
517	Improvement and application of the PCPF-1@SWAT2012 model for predicting pesticide transport: a case study of the Sakura River watershed. 2018 , 74, 2520-2529		6
516	Predicting local-scale impact of climate change on rice yield and soil organic carbon sequestration: A case study in Roi Et Province, Northeast Thailand. 2018 , 164, 58-70		18
515	Statistics for sample splitting for the calibration and validation of hydrological models. 2018 , 32, 3099-3116		19
514	Coupling of 1D models (SWAT and SWMM) with 2D model (iRIC) for mapping inundation in Brahmani and Baitarani river delta. 2018 , 92, 1821-1840		16
513	Investigation of impacts of land use/land cover change on water availability of Tons River Basin, Madhya Pradesh, India. 2018 , 4, 295-310		40
512	Identifying sediment source areas in a Mediterranean watershed using the SWAT model. 2018 , 29, 1233-1248		47
511	Uncertainty analysis of hydrological modeling in a tropical area using different algorithms. 2018 , 12, 661-671		14


510	Prediction of soil and water conservation structure impacts on runoff and erosion processes using SWAT model in the northern Ethiopian highlands. 2018 , 18, 1743-1755		28
509	Climate-change potential effects on the hydrological regime of freshwater springs in the Italian Northern Apennines. 2018 , 622-623, 337-348		14
508	Modelling the impacts of structural conservation measures on sediment and water yield in Thika-Chania catchment, Kenya. 2018 , 6, 165-174		12
507	Development of a methodology to assess future trends in low flows at the watershed scale using solely climate data. <i>Journal of Hydrology</i> , 2018 , 557, 774-790	6	13
506	Accurately early warning to water quality pollutant risk by mobile model system with optimization technology. 2018 , 208, 122-133		11
505	Predicting soils and environmental impacts associated with switchgrass for bioenergy production: a DAYCENT modeling approach. 2018 , 10, 287-302		5
504	Simulation of Nitrogen and Phosphorus Losses in Loess Landforms of Northern Iran. 2018 , 51, 176-182		0
503	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. 2018 , 16, 32-53		44
502	Integrated water resources management under climate change scenarios in the sub-basin of Abaya-Chamo, Ethiopia. 2018 , 4, 221-240		11
501	Parameterization of the AquaCrop model for full and deficit irrigated maize for seed production in arid Northwest China. <i>Agricultural Water Management</i> , 2018 , 203, 438-450	5.9	31
500	Non-linear models for the prediction of specified design strengths of concretes development profilePeer review under responsibility of Housing and Building National Research Center.View all notes. 2018 , 14, 123-136		3
499	Sediment related impacts of climate change and reservoir development in the Lower Mekong River Basin: a case study of the Nam Ou Basin, Lao PDR. 2018 , 149, 13-27		23
498	Bioregeneration of spent mercury bearing sulfur-impregnated activated carbon adsorbent. 2018 , 25, 5095-5104		4
497	Effect of hysteresis on water flow in the vadose zone under natural boundary conditions, Siloam Village case study, South Africa. 2018 , 20, 88-99		4
496	Modelling water flow in a complex watershed in humid a tropical area using SWAT: a case study of Taabo watershed in Ivory Coast. 2018 , 16, 157-167		9
495	Evaluating the Effect of Irrigation on Paddy Rice Yield by Applying the AquaCrop Model in Northern Ghana. 2018 , 93-116		
494	Calibration and validation of SWAT model using stream flow and sediment load for Mojo watershed, Ethiopia. 2018 , 4, 937-949		11
493	Land use change uncertainty impacts on streamflow and sediment projections in areas undergoing rapid development: A case study in the Mekong Basin. 2018 , 29, 835-848		18

492	Comparative Study of Hybrid-Wavelet Artificial Intelligence Models for Monthly Groundwater Depth Forecasting in Extreme Arid Regions, Northwest China. 2018 , 32, 301-323		25
491	Temperature index based snowmelt runoff modelling for the Satluj River basin in the western Himalayas. 2018 , 25, 302-313		6
490	Vulnerability assessment of water resources ¶ Translating a theoretical concept to an operational framework using systems thinking approach in a changing climate: Case study in Ogallala Aquifer. <i>Journal of Hydrology</i> , 2018 , 557, 460-474	6	32
489	Evapotranspiration sensitivity to air temperature across a snow-influenced watershed: Space-for-time substitution versus integrated watershed modeling. <i>Journal of Hydrology</i> , 2018 , 556, 645-659	6	9
488	Impact of climate change on groundwater recharge and base flow in the sub-catchment of Tekeze basin, Ethiopia. 2018 , 6, 121-133		38
487	Probabilistic Stormwater Runoff and Water Quality Modeling of a Highway in Suburban Maryland. 2018 , 23, 05017034		8
486	Comparative Assessment of SWAT Model Performance in two Distinct Catchments under Various DEM Scenarios of Varying Resolution, Sources and Resampling Methods. 2018 , 32, 805-825		22
485	Estimation of the cover and management factor based on stratified coverage and remote sensing indices: a case study in the Loess Plateau of China. 2018 , 18, 775-790		11
484	Modeling stream flow and sediment yield using the SWAT model: a case study of Ankara River basin, Turkey. 2018 , 39, 264-289		22
483	Attribution of Runoff Reduction in the Juma River Basin to Climate Variation, Direct Human Intervention, and Land Use Change. <i>Water (Switzerland)</i> , 2018 , 10, 1775	3	12
482	e-Voting. 2018 , 14, 12-27		5
481	Assessing the Runoff Reduction Potential of Highway Swales and WinSLAMM as a Predictive Tool. <i>Sustainability</i> , 2018 , 10, 2871	3.6	3
480	Assessment of Stormwater Drainage Network to Mitigate Urban Flooding Using GIS Compatible PCSWMM Model. 2018 ,		3
479	Study of Parameters Optimization Using SFLA for the Stormwater Drainage Network of Extremely Urbanized Settlements. 2018 ,		
478	Influence of calibration data on hydrological model prediction. 2018 , 8, 244		1
477	Hydrologic and water quality responses to biomass production in the Tennessee river basin. 2018 , 10, 877-893		9
476	Sensitivity of SWAT Simulated Runoff to Temperature and Rainfall in the Upper Awash Sab-Basin, Ethiopia. 2018 , 09,		7
475	Influence of the rain gauge network on the performance of a hydrological lumped model applied at different basin scales. 2018 , 23,		1

474	Combining Grey Relational Analysis and a Bayesian Model Averaging Method to Derive Monthly Optimal Operating Rules for a Hydropower Reservoir. <i>Water (Switzerland)</i> , 2018 , 10, 1099	3	7
473	Understanding the Main Causes of Runoff Change by Hydrological Modeling: A Case Study in Luanhe River Basin, North China. <i>Water (Switzerland)</i> , 2018 , 10, 1028	3	5
472	Assessing the Importance of Potholes in the Canadian Prairie Region under Future Climate Change Scenarios. <i>Water (Switzerland)</i> , 2018 , 10, 1657	3	15
471	Hydrological modeling of an experimental basin in the semiarid region of the Brazilian State of Pernambuco. 2018 , 13, 1		1
470	Soil Erosion Modelling and Risk Assessment in Data Scarce Rift Valley Lake Regions, Ethiopia. <i>Water (Switzerland)</i> , 2018 , 10, 1684	3	25
469	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. 2018 , 1, 393-409		2
468	Efficient flow calibration method for accurate estimation of baseflow using a watershed scale hydrological model (SWAT). 2018 , 125, 50-67		12
467	Hydrodynamic and water quality modeling of a large floodplain lake (Poyang Lake) in China. 2018 , 25, 35084-35098		9
466	Evaluating the Effects of Watershed Size on SWAT Calibration. <i>Water (Switzerland)</i> , 2018 , 10, 898	3	14
465	Hydrological Drought Instantaneous Propagation Speed Based on the Variable Motion Relationship of Speed-Time Process. 2018 , 54, 9549-9565		36
464	Nitrogen Component in Nonpoint-Source Pollution Models. 2018 , 27-64		1
463	Predicting the effectiveness of different mulching techniques in reducing post-fire runoff and erosion at plot scale with the RUSLE, MMF and PESERA models. 2018 , 165, 365-378		39
462	Evapotranspiration management based on the application of SWAT for balancing water consumption: A case study in Guantao, China. 2018 , 127, 1		1
461	Assessing response of sediment load variation to climate change and human activities with six different approaches. 2018 , 639, 773-784		44
460	Assessment of the water cycle impact by the Budyko curve on watershed hydrology using SWAT and CO ₂ concentrations derived from Terra MODIS GPP. 2018 , 118, 179-190		6
459	Spatiotemporal Variability of Soil Moisture and Drought Estimation Using a Distributed Hydrological Model. 2018 , 451-460		11
458	Influences of agricultural land use composition and distribution on nitrogen export from a subtropical watershed in China. 2018 , 642, 21-32		30
457	Evaluation of different types of artificial intelligence methods to model the suspended sediment load in Tigris River. 2018 , 162, 03003		1

456	Hydrological modelling of upper Ebonyi watershed using the SWAT model. 2018 , 8, 120		3
455	Impact of Land Use Change on Flow and Sediment Yields in the Khokana Outlet of the Bagmati River, Kathmandu, Nepal. <i>Hydrology</i> , 2018 , 5, 22	2.8	13
454	Inverse Parametrization of a Regional Groundwater Flow Model with the Aid of Modelling and GIS: Test and Application of Different Approaches. 2018 , 7, 22		7
453	Assessment of Baseflow Estimates Considering Recession Characteristics in SWAT. <i>Water (Switzerland)</i> , 2018 , 10, 371	3	17
452	A Sensitivity Analysis of Impacts of Conservation Practices on Water Quality in LAnguille River Watershed, Arkansas. <i>Water (Switzerland)</i> , 2018 , 10, 443	3	7
451	Assessing Long-Term Hydrological Impact of Climate Change Using an Ensemble Approach and Comparison with Global Gridded Model-A Case Study on Goodwater Creek Experimental Watershed. <i>Water (Switzerland)</i> , 2018 , 10, 564	3	10
450	Estimating the effect of climate change on water resources: Integrated use of climate and hydrological models in the Werii watershed of the Tekeze river basin, Northern Ethiopia. 2018 , 52, 195-207		6
449	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. 2018 , 644, 503-519		98
448	Multivariate bias corrections of mechanistic water quality model predictions. <i>Journal of Hydrology</i> , 2018 , 564, 529-541	6	12
447	Stream Flow Forecasting of Poorly Gauged Mountainous Watershed by Least Square Support Vector Machine, Fuzzy Genetic Algorithm and M5 Model Tree Using Climatic Data from Nearby Station. 2018 , 32, 4469-4486		28
446	Assessment of the Spatiotemporal Effects of Land Use Changes on Runoff and Nitrate Loads in the Talar River. <i>Water (Switzerland)</i> , 2018 , 10, 445	3	20
445	Hydrologic impacts of drought-adaptive agricultural water management in a semi-arid river basin: Case of Rincon Valley, New Mexico. <i>Agricultural Water Management</i> , 2018 , 209, 206-218	5.9	17
444	Using the SWAT Model in Intensively Managed Irrigated Watersheds: Model Modification and Application. 2018 , 23, 04018044		20
443	A non-parametric bootstrapping framework embedded in a toolkit for assessing water quality model performance. 2018 , 107, 25-33		2
442	Effect of using multiple stream gauging stations on calibration of hydrologic parameters and estimation of hydrograph of ungauged neighboring basin. 2018 , 11, 1		15
441	Nitrogen and phosphorus discharge from small agricultural catchments predicted from land use and hydroclimate. 2018 , 75, 260-268		6
440	Identification of the optimum groundwater quality monitoring network using a genetic algorithm based optimization approach. <i>Journal of Hydrology</i> , 2018 , 563, 1078-1091	6	20
439	Modeling Climate Change Impact on the Hydrology of Keleta Watershed in the Awash River Basin, Ethiopia. 2019 , 24, 95-107		34

438	Assessment and planning for integrated river basin management using remote sensing, SWAT model and morphometric analysis (case study: Kaddam river basin, India). 2019 , 34, 1332-1362		10
437	A review of coupled hydrologic and crop growth models. <i>Agricultural Water Management</i> , 2019 , 224, 105746	5.9	33
436	An Event-Based Sediment Yield and Runoff Modeling Using Soil Moisture Balance/Budgeting (SMB) Method. 2019 , 33, 3721-3741		6
435	Estimating sediment yield at Kaduna watershed, Nigeria using soil and water assessment tool (SWAT) model. <i>Heliyon</i> , 2019 , 5, e02106	3.6	9
434	Evaluation of Watershed Scale Aquatic Ecosystem Health by SWAT Modeling and Random Forest Technique. <i>Sustainability</i> , 2019 , 11, 3397	3.6	6
433	Assessment of Climate Change Impacts on Extreme High and Low Flows: An Improved Bottom-Up Approach. <i>Water (Switzerland)</i> , 2019 , 11, 1236	3	9
432	Hydrological hazards in Vhembe district in Limpopo Province, South Africa. 2019 , 11, 698		3
431	Assessment of Climate Change and Associated Vegetation Cover Change on Watershed-Scale Runoff and Sediment Yield. <i>Water (Switzerland)</i> , 2019 , 11, 1373	3	14
430	Impact of climate change on surface water availability and crop water demand for the sub-watershed of Abbay Basin, Ethiopia. 2019 , 5, 1859-1875		6
429	Modeling nitrogen and phosphorus export with InVEST model in Bosten Lake basin of Northwest China. 2019 , 14, e0220299		6
428	Hydrologic Impacts of Land Use Changes in the Sabor River Basin: A Historical View and Future Perspectives. <i>Water (Switzerland)</i> , 2019 , 11, 1464	3	9
427	Assessment of Suitable Land for Surface Irrigation in Ungauged Catchments: Blue Nile Basin, Ethiopia. <i>Water (Switzerland)</i> , 2019 , 11, 1465	3	9
426	Hydrological Modelling and Evaluation of Detention Ponds to Improve Urban Drainage System and Water Quality. <i>Water (Switzerland)</i> , 2019 , 11, 1547	3	14
425	Assessing the impact of human regulations on hydrological drought development and recovery based on a simulated-observed comparison of the SWAT model. <i>Journal of Hydrology</i> , 2019 , 577, 123990 ⁶		25
424	Hybrid machine learning framework for hydrological assessment. <i>Journal of Hydrology</i> , 2019 , 577, 123918		14
423	Simulation modelling for integration of hydropower, irrigation water and water supply potentials of Lweya Basin, Malawi. 2019 , 1-15		1
422	Evaluation of the Impacts of Climate Change on Sediment Yield from the Logiya Watershed, Lower Awash Basin, Ethiopia. <i>Hydrology</i> , 2019 , 6, 81	2.8	14
421	Spatiotemporal characterization of nutrient pollution source compositions in the Xiaohong River Basin, China. 2019 , 107, 105676		11

420	Evaluating the effectiveness of the pollutant discharge permit program in China: A case study of the Nenjiang River Basin. 2019 , 251, 109501		6
419	Integrated Assessment of Climate Change and Land Use Change Impacts on Hydrology in the Kathmandu Valley Watershed, Central Nepal. <i>Water (Switzerland)</i> , 2019 , 11, 2059	3	17
418	Simulating the Impact of Climate Change on the Hydrological Regimes of a Sparsely Gauged Mountainous Basin, Northern Pakistan. <i>Water (Switzerland)</i> , 2019 , 11, 2141	3	13
417	Projecting Wet Season Rainfall Extremes Using Regional Climate Models Ensemble and the Advanced Delta Change Model: Impact on the Streamflow Peaks in Mkurumudzi Catchment, Kenya. <i>Hydrology</i> , 2019 , 6, 76	2.8	2
416	Influence of environmental parameters on the shrimp catch in Banyuasin Coastal Water, South Sumatra, Indonesia. 2019 , 1282, 012103		3
415	A rating-curve method for determining debit for dry season in micro-scale watersheds. 2019 , 260, 012029		
414	Estimation of irrigation return flow on monthly time resolution using SWAT model under limited data availability. 2019 , 64, 1588-1604		1
413	Scenarios from the Eta Model on quality and hydrological quantity in the Atlantic Forest, Southern Brazil. 2019 , 24,		
412	Understanding the effects of soil data quality on SWAT model performance and hydrological processes in Tamedroust watershed (Morocco). 2019 , 160, 103616		13
411	Can We Calibrate a Daily Time-Step Hydrological Model Using Monthly Time-Step Discharge Data?. <i>Water (Switzerland)</i> , 2019 , 11, 1750	3	7
410	Evaluating Evaporation Methods for Estimating Small Reservoir Water Surface Evaporation in the Brazilian Savannah. <i>Water (Switzerland)</i> , 2019 , 11, 1942	3	10
409	Site-Scale Integrated Decision Support Tool (i-DSTss) for Stormwater Management. <i>Water (Switzerland)</i> , 2019 , 11, 2022	3	8
408	An innovative approach to identifying agricultural pollution sources and loads by using nutrient export coefficients in watershed modeling. <i>Journal of Hydrology</i> , 2019 , 571, 322-331	6	21
407	Modelling inter- and intra-annual variation of riverine nitrogen/nitrate losses from snowmelt-affected basins under agricultural and mixed land use captured with high-frequency monitoring. 2019 , 176, 227-244		2
406	Enhancing SWAT with remotely sensed LAI for improved modelling of ecohydrological process in subtropics. <i>Journal of Hydrology</i> , 2019 , 570, 802-815	6	27
405	Comparison of the alternative models SOURCE and SWAT for predicting catchment streamflow, sediment and nutrient loads under the effect of land use changes. 2019 , 662, 254-265		21
404	Parameterization and uncertainty analysis of stream flow in the Barak River basin  case study. 2019 , 1-11		2
403	Impact Assessment of Future Climate Change on Streamflows Upstream of Khanpur Dam, Pakistan using Soil and Water Assessment Tool. <i>Water (Switzerland)</i> , 2019 , 11, 1090	3	5

402	A Study on Climate-Driven Flash Flood Risks in the Boise River Watershed, Idaho. <i>Water (Switzerland)</i> , 2019 , 11, 1039	3	5
401	Impact of Climate Change on Flood Inundation Levels in Chereh Dam Failure Scenarios. 2019 , 239, 012005		
400	Water balance responses to land-use/land-cover changes in the Pra River Basin of Ghana, 1986-2025. 2019 , 182, 104129		23
399	Modelling the impacts of climatic variables on the hydrology of the Upper Crocodile River Basin, Johannesburg, South Africa. 2019 , 78, 1		3
398	Deep neural networks for modeling fouling growth and flux decline during NF/RO membrane filtration. 2019 , 587, 117164		28
397	Evaluation of random forest and regression tree methods for estimation of mass first flush ratio in urban catchments. <i>Journal of Hydrology</i> , 2019 , 575, 1099-1110	6	26
396	Transition Characteristics of the Dry-Wet Regime and Vegetation Dynamic Responses over the Yarlung Zangbo River Basin, Southeast Qinghai-Tibet Plateau. 2019 , 11, 1254		10
395	Application of Meteorological and Hydrological Drought Indices to Establish Drought Classification Maps of the Ba River Basin in Vietnam. <i>Hydrology</i> , 2019 , 6, 49	2.8	11
394	The Dominant Climate Change Event for Salinity Intrusion in the GBM Delta. 2019 , 7, 69		18
393	Development of load duration curve system in data-scarce watersheds based on a distributed hydrological model. 2019 , 50, 886-900		7
392	Integrating agricultural land, water yield and soil conservation trade-offs into spatial land use planning. 2019 , 104, 219-228		15
391	CoBAGNPS: A toolbox for simulating water and sediment control basin, WASCoB through AGNPS model. 2019 , 179, 49-65		5
390	A cultivated area forecasting approach in artificial oases under climate change and human activities. 2019 , 11, 400-418		0
389	Quantifying the Performances of the Semi-Distributed Hydrologic Model in Parallel Computing: A Case Study. <i>Water (Switzerland)</i> , 2019 , 11, 823	3	5
388	Simulated Runoff and Sediment Yield Responses to Land-Use Change Using the SWAT Model in Northeast China. <i>Water (Switzerland)</i> , 2019 , 11, 915	3	18
387	Investigating Influence of Hydrological Regime on Organic Matters Characteristic in a Korean Watershed. <i>Water (Switzerland)</i> , 2019 , 11, 512	3	4
386	Understanding the Basis of the Curve Number Method for Watershed Models and TMDLs. 2019 , 24, 06019003		25
385	Calibration and Validation of Watershed Models and Advances in Uncertainty Analysis in TMDL Studies. 2019 , 24, 03119001		35

384	Temporal and Spatial Changes of Non-Point Source N and P and Its Decoupling from Agricultural Development in Water Source Area of Middle Route of the South-to-North Water Diversion Project. <i>Sustainability</i> , 2019 , 11, 895	3.6	8
383	Effect of Land Use Land Cover and Climate Change on River Flow and Soil Loss in Didessa River Basin, South West Blue Nile, Ethiopia. <i>Hydrology</i> , 2019 , 6, 2	2.8	15
382	Use of a calibrated SWAT model to evaluate the effects of agricultural BMPs on sediments of the Kalaya river basin (North of Morocco). 2019 , 7, 176-183		36
381	Assessment of agroclimatology NASA POWER reanalysis datasets for temperature types and relative humidity at 2 m against ground observations over Egypt. 2019 , 64, 129-142		15
380	Modeling runoff and sediment yield of Kesem dam watershed, Awash basin, Ethiopia. 2019 , 1, 1		10
379	Identification of critical watershed using hydrological model and drought indices: a case study of upper Girna, Maharashtra, India. 2019 , 1-12		1
378	Can the watershed non-point source phosphorus flux amount be reflected by lake sediment?. 2019 , 102, 118-130		11
377	Identification of Nutrients Critical Source Areas with SWAT Model under Limited Data Condition. 2019 , 46, 128-137		6
376	Newly developed water productivity and harvest index models for maize in an arid region. 2019 , 234, 73-86		14
375	Some Challenges in Hydrologic Model Calibration for Large-Scale Studies: A Case Study of SWAT Model Application to Mississippi-Atchafalaya River Basin. <i>Hydrology</i> , 2019 , 6, 17	2.8	11
374	Modeling Hydrological and Environmental Consequences of Climate Change and Urbanization in the Boise River Watershed, Idaho. <i>Journal of the American Water Resources Association</i> , 2019 , 55, 133-153 ¹		7
373	Evaluation of the SWAT model as an integrated management tool in the Vihov drinking water supply catchment. 2019 , 14, 76-83		2
372	Modeling of runoff water and runoff pesticide concentrations in upland bare soil using improved SPEC model. 2019 , 44, 148-155		1
371	Rainfall Runoff Model Evaluation for Lebir River, Kelantan, Malaysia. 2019 , 366, 012037		1
370	Dam Break Studies using Hydrologic and Hydraulics Model for Chereh Dam, Kuantan, Pahang, Malaysia. 2019 , 366, 012036		0
369	An integrated approach to estimate surface soil moisture in agricultural lands. 2019 , 1-19		7
368	Impact assessment of climate change on environmental flow component and water temperature Kikuchi River. 2019 , 4, 88-105		4
367	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. 2019 , 26, 100640		26

366	Watershed Reactive Transport. 2019 , 85, 381-418		18
365	Minimal adverse impact of discharging polluted effluents to rivers with selective locations. 2019 , 46, 101394		7
364	Assessment of water quality and evaluation of best management practices in a small agricultural watershed adjacent to Coral Reef area in Japan. <i>Agricultural Water Management</i> , 2019 , 213, 659-673	5.9	30
363	Prediction of maximum permeate flux (%) of disc membrane using response surface methodology (RSM). 2019 , 46, 299-307		7
362	Reuse of return flows and its scale effect in irrigation systems based on modified SWAT model. <i>Agricultural Water Management</i> , 2019 , 213, 280-288	5.9	22
361	Improvement and testing of SWAT for multi-source irrigation systems with paddy rice. <i>Journal of Hydrology</i> , 2019 , 568, 1031-1041	6	15
360	Streamflow Impacts of Management and Environmental Change in the Upper Wabash River Basin. 2019 , 24, 05018034		6
359	The adequacy of stochastically generated climate time series for water resources systems risk and performance assessment. 2019 , 33, 253-269		10
358	Water resources and nitrate discharges in relation to agricultural land uses in an intensively irrigated watershed. 2019 , 659, 1293-1306		17
357	A comprehensive method of evaluating the impact of drought and salt stress on tomato growth and fruit quality based on EPIC growth model. <i>Agricultural Water Management</i> , 2019 , 213, 116-127	5.9	13
356	Evaluation of SWAT performance in modeling nutrients of Awash River basin, Ethiopia. 2019 , 5, 275-289		1
355	Multi-level pedotransfer modification functions of the USLE-K factor for annual soil erodibility estimation of mixed landscapes. 2019 , 5, 767-779		8
354	Flood hazard mapping under a climate change scenario in a Ribb catchment of Blue Nile River basin, Ethiopia. 2019 , 11, 147-160		7
353	Two calibration methods for modeling streamflow and suspended sediment with the swat model. 2019 , 127, 103-113		25
352	Long-term simulated runoff and water quality from grain cropping systems on restrictive layer soils. <i>Agricultural Water Management</i> , 2019 , 213, 36-48	5.9	10
351	Geohazards mitigation strategies simulation and evaluation based on surface runoff depth: A case study in Bailong River basin. 2019 , 173, 1-8		6
350	Assessment of watershed health, vulnerability and resilience for determining protection and restoration Priorities. 2019 , 122, 103926		14
349	Spatiotemporal soil moisture variations associated with hydro-meteorological factors over the Yarlung Zangbo River basin in Southeast Tibetan Plateau. 2020 , 40, 188-206		9

348	Experimental and numerical studies on orifice spillway aerator of Bunji Dam. 2020 , 43, 27-36		3
347	A spatial landscape scale approach for estimating erosion, water quantity, and quality in response to South Dakota grassland conversion. 2020 , 33,		4
346	Coupled modelling and sampling approaches to assess the impacts of human water management on land-sea carbon transfer. 2020 , 701, 134735		2
345	Integrated Hazard Modeling for Simulating Torrential Stream Response to Flash Flood Events. 2020 , 9, 1		16
344	Hydrological/Hydraulic Modeling-Based Thresholding of Multi SAR Remote Sensing Data for Flood Monitoring in Regions of the Vietnamese Lower Mekong River Basin. <i>Water (Switzerland)</i> , 2020 , 12, 71	3	13
343	Adapting water resources systems to climate change in tropical areas: Ecuadorian coast. 2020 , 703, 135554		8
342	A modified hydrological model for assessing effect of pH on fate and transport of Escherichia coli in the Athabasca River basin. <i>Journal of Hydrology</i> , 2020 , 582, 124513	6	8
341	Multiscale hydrological drought analysis: Role of climate, catchment and morphological variables and associated thresholds. <i>Journal of Hydrology</i> , 2020 , 582, 124533	6	22
340	Response of Nitrogen Loading to the Chesapeake Bay to Source Reduction and Land Use Change Scenarios: A SPARROW-Informed Analysis. <i>Journal of the American Water Resources Association</i> , 2020 , 56, 100-112	2.1	9
339	Automatic calibration and improvements on an instream chlorophyll a simulation in the HSPF model. 2020 , 415, 108835		9
338	Application of SWAT hydrological model for assessing water availability at the Sherigu catchment of Ghana and Southern Burkina Faso. 2020 , 3, 124-133		12
337	Hydrologic response to climate change in the Densu River Basin in Ghana. <i>Heliyon</i> , 2020 , 6, e04722	3.6	5
336	Assessing Climate Change Effects on Water Balance in a Monsoon Watershed. <i>Water (Switzerland)</i> , 2020 , 12, 2564	3	5
335	Improved Estimations of Nitrate and Sediment Concentrations Based on SWAT Simulations and Annual Updated Land Cover Products from a Deep Learning Classification Algorithm. 2020 , 9, 576		2
334	Resistance coefficient for large-scale roughness with seepage through porous bed. <i>Journal of Hydrology</i> , 2020 , 590, 125498	6	1
333	Simulating Reservoir Induced Lhasa Streamflow Variability Using ArcSWAT. <i>Water (Switzerland)</i> , 2020 , 12, 1370	3	1
332	Simulating the Water Environmental Capacity of a Seasonal River Using a Combined Watershed-Water Quality Model. 2020 , 7, e2019EA001008		0
331	Evaluating satellite-based evapotranspiration estimates for hydrological applications in data-scarce regions: A case in Ethiopia. 2020 , 743, 140702		17

330	Impacts of land-use and climate changes on surface runoff in a tropical forest watershed (Brazil). 2020 , 65, 1956-1973		7
329	Modeling Impact of Land Use Dynamics on Hydrology and Sedimentation of Megech Dam Watershed, Ethiopia. 2020 , 2020, 6530278		6
328	Stream flow modeling using SWAT model and the model performance evaluation in Toba sub-watershed, Ethiopia. 2020 , 7, 2653		7
327	Climate Change Impact on Soil Moisture Variability: Health Effects of Radon Flux Density Within Ogbomoso, Nigeria. 2020 , 1-16		
326	Assessment of impacts of change in land use and climatic variables on runoff in Tajan River Basin. 2020 , 20, 2779-2793		5
325	An Evaluation Matrix to Compare Computer Hydrological Models for Flood Predictions. <i>Hydrology</i> , 2020 , 7, 42	2.8	9
324	Evaluating runoff and sediment responses to soil and water conservation practices by employing alternative modeling approaches. 2020 , 747, 141118		17
323	Water balance components estimation under scenarios of land cover change in the Veia catchment, West Africa. 2020 , 65, 2196-2209		6
322	Hydrologic Assessment of TRMM and GPM-Based Precipitation Products in Transboundary River Catchment (Chenab River, Pakistan). <i>Water (Switzerland)</i> , 2020 , 12, 1902	3	11
321	Numerical modelling of the impacts of water abstraction for hydraulic fracturing on groundwater-surface water interaction: a case study from northwestern Alberta, Canada. 2020 , 65, 2142-2158		1
320	Coupled DSSAT-SWAT models to reduce off-site N pollution in Mediterranean irrigated watershed. 2020 , 745, 141000		7
319	Daily Water Level Prediction of Zrebar Lake (Iran): A Comparison between MSP, Random Forest, Random Tree and Reduced Error Pruning Trees Algorithms. 2020 , 9, 479		10
318	Adjusting wastewater treatment effluent standards to protect the receiving waters: the case of low-flow rivers in central Spain. 2020 , 79, 1		1
317	Predicting hydrologic responses to climate changes in highly glacierized and mountainous region Upper Indus Basin. 2020 , 7, 191957		13
316	Propagation of Meteorological to Hydrological Droughts in India. 2020 , 125, e2020JD033455		20
315	Modeling arid/semi-arid irrigated agricultural watersheds with SWAT: Applications, challenges, and solution strategies. <i>Journal of Hydrology</i> , 2020 , 590, 125418	6	17
314	Evaluating Surface Runoff Responses to Land Use Changes in a Data Scarce Basin: a Case Study in Palas Basin, Turkey. 2020 , 47, 828-834		3
313	Relating Sediment Yield Estimations to the Wet Front Term Using Rainfall Simulator Field Experiments. 2020 , 34, 4181-4196		1

312	Decision-Making of LID-BMPs for Adaptive Water Management at the Boise River Watershed in a Changing Global Environment. <i>Water (Switzerland)</i> , 2020 , 12, 2436	3	2
311	Evaluating Water Balance Variables under Land Use and Climate Projections in the Upper Choctawhatchee River Watershed, in Southeast US. <i>Water (Switzerland)</i> , 2020 , 12, 2205	3	3
310	Integral Application of Chemical Mass Balance and Watershed Model to Estimate Point and Nonpoint Source Pollutant Loads in Data-Scarce Little Akaki River, Ethiopia. <i>Sustainability</i> , 2020 , 12, 7084 ^{2.6}	2.6	3
309	Modeling the Soil Response to Rainstorms after Wildfire and Prescribed Fire in Mediterranean Forests. 2020 , 8, 150		14
308	Monitoring ungauged watersheds for investigating the variability of flow and salinity to implement the possible removal of salt fill sites. 2020 , 192, 762		1
307	Past and present spatial precipitation variability in the upper middle catchment of the Olifants River basin. 2020 , 467, 012212		
306	Existing Water Balance in the Bago River Basin, Myanmar. 2020 , 552, 012003		0
305	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. <i>Hydrology</i> , 2020 , 7, 98	2.8	11
304	Seasonal Variability of Historical and Projected Future Climate in the Kathmandu Valley. 2020 , 2, 108-120		0
303	Integrated Surface Water and Groundwater Analysis under the Effects of Climate Change, Hydraulic Fracturing and its Associated Activities: A Case Study from Northwestern Alberta, Canada. <i>Hydrology</i> , 2020 , 7, 70	2.8	2
302	Improved runoff curve numbers for a large number of watersheds of the USA. 2020 , 65, 2658-2668		5
301	Appraisal of Climate Change and Its Impact on Water Resources of Pakistan: A Case Study of Mangla Watershed. 2020 , 11, 1071		11
300	Comparative Analysis of Artificial Intelligence Models for Accurate Estimation of Groundwater Nitrate Concentration. 2020 , 20,		18
299	Study of Water Productivity of Industrial Hemp under Hot and Dry Conditions in Brandenburg (Germany) in the Year 2018. <i>Water (Switzerland)</i> , 2020 , 12, 2982	3	3
298	A novel regional irrigation water productivity model coupling irrigation- and drainage-driven soil hydrology and salinity dynamics and shallow groundwater movement in arid regions in China. 2020 , 24, 2399-2418		8
297	Simulation of water balance equation components using SWAT model in Samalqan Watershed (Iran). 2020 , 13, 1		11
296	Estimating nitrogen and phosphorus concentrations in streams and rivers, within a machine learning framework. 2020 , 7, 161		19
295	New approach of water quantity vulnerability assessment using satellite images and GIS-based model: An application to a case study in Vietnam. 2020 , 737, 139784		15

294	On the role of rainfall deficits and cropping choices in loss of agricultural yield in Marathwada, India. 2020 ,		7
293	Sensitivity of Vegetation Growth to Precipitation in a Typical Afforestation Area in the Loess Plateau: Plant-Water Coupled Modelling. 2020 , 430, 109128		7
292	Prediction of reservoir sedimentation using Soil Water Assessment Tool (SWAT) towards development of sustainable catchment management. 2020 , 736, 022041		1
291	Using the Soil and Water Assessment Tool to Simulate the Pesticide Dynamics in the Data Scarce Guayas River Basin, Ecuador. <i>Water (Switzerland)</i> , 2020 , 12, 696	3	11
290	Modeling the future impacts of climate change on water availability in the Karnali River Basin of Nepal Himalaya. 2020 , 185, 109430		24
289	Assessment of climate change impact on rice yield and water footprint of large-scale and individual farming in Thailand. 2020 , 726, 137864		23
288	Evaluation of satellite precipitation products using HEC-HMS model. 2020 , 6, 2015-2032		11
287	A Method to Improve the Flood Maps Forecasted by On-Line Use of 1D Model. <i>Water (Switzerland)</i> , 2020 , 12, 1525	3	3
286	Assessing the transport of rare earth elements in runoff in a small watershed developed on a coarse-grained granite area in southern China. 2020 , 79,		
285	Prediction of runoff within Maharlu basin for future 60 years using RCP scenarios. 2020 , 13, 1		1
284	An Alternative Empirical Model to Estimate Watershed Sediment Yield Based on Hydrology and Geomorphology of the Basin in Data-Scarce Rift Valley Lake Regions, Ethiopia. 2020 , 10, 31		6
283	Comparative Analysis of Bioenergy Crop Impacts on Water Quality Using Static and Dynamic Land Use Change Modeling Approach. <i>Water (Switzerland)</i> , 2020 , 12, 410	3	2
282	Predicting the hydrological response of a forest after wildfire and soil treatments using an Artificial Neural Network. 2020 , 170, 105280		24
281	Hydrological Modeling Response to Climate Model Spatial Analysis of a South Eastern Europe International Basin. 2020 , 8, 1		13
280	Improvement of seasonal runoff and soil loss predictions by the MMF (Morgan-Morgan-Finney) model after wildfire and soil treatment in Mediterranean forest ecosystems. 2020 , 188, 104415		26
279	Mapping groundwater resiliency under climate change scenarios: A case study of Kathmandu Valley, Nepal. 2020 , 183, 109149		15
278	Long-term human-generated alterations of Tagus River: Effects of hydrological regulation and land-use changes in distinct river zones. 2020 , 188, 104466		16
277	Hydrodynamic modelling of a flood-prone tidal river using the 1D model MIKE HYDRO River: calibration and sensitivity analysis. 2020 , 192, 97		13

276	Water balance modeling of Tandula (India) reservoir catchment using SWAT. 2020 , 13, 1		9
275	Three-Dimensional Flow Characteristics in Slit-Type Permeable Spur Dike Fields: Efficacy in Riverbank Protection. <i>Water (Switzerland)</i> , 2020 , 12, 964	3	3
274	Landsat Hourly Evapotranspiration Flux Assessment using Lysimeters for the Texas High Plains. <i>Water (Switzerland)</i> , 2020 , 12, 1192	3	5
273	Validation of the GeoWATCH soil moisture model and proposed bias correction method. 2020 , 91, 1-9		1
272	Impacts of Climate and Human Activities on Water Resources and Quality. 2020 ,		3
271	An integrated framework for prediction of climate change impact on habitat suitability of a river in terms of water temperature, hydrological and hydraulic parameters. <i>Journal of Hydrology</i> , 2020 , 587, 124936	6	4
270	A framework for evaluating county-level non-point source pollution: Joint use of monitoring and model assessment. 2020 , 722, 137956		6
269	Assessment of localized seasonal precipitation variability in the upper middle catchment of the Olifants River basin. 2021 , 12, 250-264		2
268	Copper concentration simulation in a river by SWAT-WASP integration and its application to assessing the impacts of climate change and various remediation strategies. 2021 , 279, 111613		1
267	Soil water content and soil temperature modeling in a vadose zone of Andosol under temperate monsoon climate. 2021 , 384, 114797		7
266	Calculation framework for agricultural irrigation water consumption in multi-source irrigation systems. <i>Agricultural Water Management</i> , 2021 , 244, 106603	5.9	1
265	Toward catchment hydro-biogeochemical theories. 2021 , 8, e1495		22
264	Influence of landfill and land use scenario on runoff, evapotranspiration, and sediment yield over the Chinese Loess Plateau. 2021 , 121, 107208		16
263	Regionalization of flow duration curves in the Amazon with the definition of homogeneous regions via fuzzy C-means. 2021 , 93, e20190747		0
262	Export of dissolved iron from river catchments in northeast Japan. 2021 , 17, 75-84		0
261	Assessing the nature of sediment transport with bridge scour by 1D sediment transport model in the sub-catchment basin of Bhagirathi Hooghly river. 2021 , 7, 2823		2
260	SWAT and HBV models response to streamflow estimation in the upper Blue Nile Basin, Ethiopia. 2021 , 4, 41-53		2
259	Contribution of Agro-Hydrological Modeling in the Evaluation of Water Availability of an Ungauged Basin Reservoir in Côte d'Ivoire: Case of the Loka Reservoir in Bouaké. 2021 , 10, 117-130		1

258	Research of Impacts of the 2018 Hokkaido Eastern Iburi Earthquake on Sediment Transport in the Atsuma River Basin Using the SWAT Model. <i>Water (Switzerland)</i> , 2021 , 13, 356	3	5
257	Evaluation of FAO's WaPOR product in estimating the reference evapotranspiration for stream flow modeling. 2021 , 144, 191-201		2
256	Modeling the impacts of land use and land cover dynamics on hydrological processes of the Keleta watershed, Ethiopia. 2021 , 7, 1947632		2
255	Assessment of the SWAT model in simulating watersheds in arid regions: Case study of the Yarmouk River Basin (Jordan). 2021 , 13, 377-389		2
254	Determining land use influences on the hydrologic regime of the Chao Phraya River Basin, Thailand. 2021 , 121, 102978		1
253	Impact of BMPs on water quality: a case study in Big Sunflower River watershed, Mississippi. 1-14		4
252	Hydrodynamics and water quality of the Hongze Lake in response to human activities. 2021 , 28, 46215-46232		4
251	The Impacts of Land-Use Input Conditions on Flow and Sediment Discharge in the Dakbla Watershed, Central Highlands of Vietnam. <i>Water (Switzerland)</i> , 2021 , 13, 627	3	1
250	Evaluation of Irrigation Safety by Operation Management of Water Supply from Large Scale Agricultural Reservoirs. 2021 , 21, 189-198		
249	Performance of rainfall runoff models in reproducing hydrological extremes: a case of the River Malaba sub-catchment. 2021 , 3, 1		4
248	A Site-Scale Tool for Performance-Based Design of Stormwater Best Management Practices. <i>Water (Switzerland)</i> , 2021 , 13, 844	3	1
247	Evaluating the effects of forest tree species on rill detachment capacity in a semi-arid environment. 2021 , 161, 106158		1
246	Evaluating watershed hydrological responses to climate changes at Hangar Watershed, Ethiopia. 2021 , 12, 2271-2287		1
245	Quantifying the potential impacts of land-use and climate change on hydropower reliability of Muzizi hydropower plant, Uganda. 2021 , 12, 2526-2554		5
244	Evaluation of the Climate Forecast System Reanalysis data for hydrological model in the Arctic watershed MÅelv.		0
243	Climate change impact on streamflow in a tropical basin of Ghana, West Africa. 2021 , 34, 100805		5
242	Impending Hydrological Regime of Lhasa River as Subjected to Hydraulic Interventions: A SWAT Model Manifestation. 2021 , 13, 1382		3
241	Evaluation and Prediction of the Impacts of Land Cover Changes on Hydrological Processes in Data Constrained Southern Slopes of Kilimanjaro, Tanzania. 2021 , 2, 225-247		2

240	Evaluation of gridded meteorological datasets and their potential hydrological application to a humid area with scarce data for Pirapama River basin, northeastern Brazil. 2021 , 145, 393-410		3
239	Evaluating the SSEBop and RSPMPT Models for Irrigated Fields Daily Evapotranspiration Mapping with MODIS and CMADS Data. 2021 , 11, 424		1
238	Impacts of Watershed Physical Properties and Land Use on Baseflow at Regional Scales. 2021 , 35, 100810		2
237	Calibration of SWAT and three data-driven models for monthly stream flow simulation in Maharlu Lake Basin.		2
236	Evaluation of the WEAP model in simulating subbasin hydrology in the Central Rift Valley basin, Ethiopia. 2021 , 10,		4
235	Contribution analysis on spatial tradeoff/synergy of Karst soil conservation and water retention for various geomorphological types: Geographical detector application. 2021 , 125, 107470		10
234	Validating CHIRPS ability to estimate rainfall amount and detect rainfall occurrences in the Philippines. 2021 , 145, 967-977		3
233	Estimation of Phosphorus Transport Influenced by Climate Change in a Rice Paddy Catchment Using SWAT. 2021 , 15, 759-772		3
232	Quantifying the effects of watershed subdivision scale and spatial density of weather inputs on hydrological simulations in a Norwegian Arctic watershed.		0
231	Land Use/Land Cover Change Impact on Hydrological Process in the Upper Baro Basin, Ethiopia. 2021 , 2021, 1-15		2
230	Assessment of Water Availability with SWAT Model: A Study on Ganga River. 2021 , 97, 781-788		0
229	Applicability of modified SWAT model (SWAT-Twn) on simulation of watershed sediment yields under different land use/cover scenarios in Taiwan. 2021 , 193, 520		4
228	Multi-Step Calibration Approach for SWAT Model Using Soil Moisture and Crop Yields in a Small Agricultural Catchment. <i>Water (Switzerland)</i> , 2021 , 13, 2238	3	2
227	High-Resolution Simulation and Monitoring of Urban Flood Processes at the Campus Scale. 2021 , 26, 05021018		0
226	Climate Change Impact on the Hydrologic Regimes and Sediment Yield of Pulangi River Basin (PRB) for Watershed Sustainability. <i>Sustainability</i> , 2021 , 13, 9041	3.6	0
225	Natural and anthropogenic sources of salinity in the Awash River and Lake Beseka (Ethiopia): Modelling impacts of climate change and lake-river interactions. 2021 , 36, 100865		1
224	Simulation of ecohydrological processes influencing water supplies in the Tuul River watershed of Mongolia. 2021 , 23, 1130-1145		1
223	Assessment of Future Climate Change Impact on an Agricultural Reservoir in South Korea. <i>Water (Switzerland)</i> , 2021 , 13, 2125	3	2

222	Effects of length and application rate of rice straw mulch on surface runoff and soil loss under laboratory simulated rainfall. 2021 , 36, 468-478		12
221	A new innovative method for model efficiency performance.		1
220	Implications of macroinvertebrate taxonomic resolution for freshwater assessments using functional traits: The Paute River Basin (Ecuador) case.		2
219	Response of Hydrodynamics and Water-quality Conditions to Climate Change in a Shallow Lake. 1		2
218	Hydrologic responses to climate and land-use/land-cover changes in the Bilate catchment, Southern Ethiopia.		3
217	Goodness-of-fit criteria for hydrological models: Model calibration and performance assessment. <i>Journal of Hydrology</i> , 2021 , 600, 126674	6	6
216	APEX-MODFLOW: A New integrated model to simulate hydrological processes in watershed systems. 2021 , 143, 105093		5
215	Modelling and Designing for Nitrogen Removal in Bioretention Basins. 2021 , 105212		1
214	Contribution of Satellite-Based Precipitation in Hydrological Rainfall Runoff Modeling: Case Study of the Hammam Boughrara Region in Algeria. 1		0
213	Developing Green Infrastructure Strategies Based on the Analysis of Sewer System Critical Components. <i>Water (Switzerland)</i> , 2021 , 13, 2694	3	
212	A modelling platform for climate change impact on local and regional crop water requirements. <i>Agricultural Water Management</i> , 2021 , 255, 107005	5.9	9
211	Comparative study of semi-distributed and 2D-distributed hydrological models for streamflow prediction in a data scarce mountainous watershed. 1		
210	Landscape configuration mediates hydrology and nonpoint source pollution under climate change and agricultural expansion. 2021 , 129, 107959		3
209	An intelligent water level monitoring method based on SSD algorithm. 2021 , 185, 110047		3
208	Prediction of biogas production rate from dry anaerobic digestion of food waste: Process-based approach vs. recurrent neural network black-box model. 2021 , 341, 125829		6
207	Implementation of the Semi-Distributed SWAT (Soil and Water Assessment Tool) Model Capacity in the Lobo Watershed at Nibéhibé; (Center-West of Côte D'Ivoire). 2021 , 09, 21-38		
206	Use of the SWAT model for estimating reservoir volume in the Upper Navet watershed in Trinidad. 2021 , 3, 1		2
205	Climate Change Impact on Soil Moisture Variability: Health Effects of Radon Flux Density Within Ogbomoso, Nigeria. 2021 , 437-452		

204	Introduction to Hydrology. 2014 , 1-126		3
203	Estimating the Impacts and Uncertainty of Climate Change on the Hydrology and Water Resources of the Koshi River Basin. 2015 , 105-126		3
202	Assessment of the Impact of Projected Climate Change on Streamflow and Groundwater Recharge in a River Basin. 2015 , 143-176		1
201	Climate Change Impact on the Hydrology of Weyb River Watershed, Bale Mountainous Area, Ethiopia. 2016 , 587-613		5
200	Climate Change Impact on Stream Flow in the Upper Gilgel Abay Catchment, Blue Nile basin, Ethiopia. 2016 , 645-673		5
199	Potential Evapotranspiration Under Present and Future Climate. 2016 , 5-25		3
198	Multi-Site Calibration and Validation of the Hydrological Component of SWAT in a Large Lowland Catchment. 2011 , 15-41		13
197	Applying Recurrent Fuzzy Neural Network to Predict the Runoff of Srepok River. 2014 , 55-66		4
196	Modeling of a River Basin Using SWAT Model. 2018 , 707-714		3
195	Evaluation of Utilization of Wavelet Denoising Approach in Calibration of Hydrological Models. 2019 , 145-155		1
194	Integrated Water Quality Modelling of the River Zenne (Belgium) Using OpenMI. 2014 , 259-274		7
193	Groundwater recharge modelling in a large scale basin: an example using the SWAT hydrologic model. 2017 , 3, 1361-1369		11
192	Mean transit time and subsurface flow paths in a humid temperate headwater catchment with granitic bedrock. <i>Journal of Hydrology</i> , 2020 , 587, 124942	6	6
191	A pollution fate and transport model application in a semi-arid region: Is some number better than no number?. 2017 , 595, 425-440		6
190	Hydrological response to climate change for Gilgel Abay River, in the Lake Tana Basin -Upper Blue Nile Basin of Ethiopia. 2013 , 8, e79296		97
189	Performances of the WEPP and WaNuLCAS models on soil erosion simulation in a tropical hillslope, Thailand. 2020 , 15, e0241689		4
188	Analysing the effect of impervious cover management techniques on the reduction of runoff and pollutant loads. 2015 , 24, 16-34		1
187	REGIONAL ASSESSMENT CHANGES OF THE RIVERS RUNOFF OF UKRAINIAN CARPATHIANS REGION UNDER CLIMATE CHANGES. 2020 , 20-29		8

186	Assessment of hydrological processes in a small watershed using SWAT. 2018 , 11, 41-48	1
185	Development and validation of a data logger for thermal characterization in laying hen facilities. 2019 , 23, 787-793	2
184	Comparative performance evaluation of self-adaptive differential evolution with GA, SCE and DE algorithms for the automatic calibration of a computationally intensive distributed hydrological model. 2020 , 3, 306-327	3
183	Comparison of meteorological indices for drought monitoring and evaluating: a case study from Euphrates basin, Turkey. 2020 , 11, 29-43	9
182	Calibration, Validation and Performance Evaluation of Swat Model for Sediment Yield Modelling in Megech Reservoir Catchment, Ethiopia. 2019 , 12, 21-31	3
181	Estimation of Nutrient Runoff Processes in the Mekong River Basin Using a Distributed Hydrological Model. 2007 , 20, 493-504	5
180	Impact of Climate Change on Runoff in Namgang Dam Watershed. 2012 , 45, 517-529	6
179	Comparaci3n de la eficiencia cient3fica entre Colombia y M3xico a trav3s de indicadores relativos de producci3n y calidad cient3fica. 2020 , 43, 262	3
178	Modelling Freshwater Availability Using SWAT Model at a Catchment-Scale in Ivory Coast. 2017 , 05, 70-83	5
177	Validation of PSIAC Model for Sediment Yields Estimation in Ungauged Catchments of Tanzania. 2013 , 04, 1101-1115	4
176	Validation of GLASOD Map for Sediment Sources and Erosion Processes Identification in the Nyumba Ya Mungu Reservoir Catchment. 2015 , 06, 972-986	2
175	SWAT Model Prediction of Phosphorus Loading in a South Carolina Karst Watershed with a Downstream Embayment. 2013 , 04, 75-90	11
174	Sensitivity Analysis and Calibration of Hydrological Modeling of the Watershed Northeast Brazil. 2015 , 06, 837-850	23
173	Sensitivity Analysis and Evaluation of Forest Biomass Production Potential Using SWAT Model. 2014 , 04, 136-147	5
172	Evaluating the Impacts of Forest Clear Cutting on Water and Sediment Yields Using SWAT in Mississippi. 2013 , 05, 474-483	15
171	Modeling Stream Flow Using SWAT Model in the Bina River Basin, India. 2020 , 12, 203-222	3
170	Assessing the Impact of Land-Use Land-Cover Change on Stream Water and Sediment Yields at a Watershed Level Using SWAT. 2015 , 05, 68-85	11
169	Impacts of spatial data resolution on simulated discharge, a case study of Xitiaoxi catchment in South China. 21, 131-137	10

168	SWAT model calibration of a grid-based setup. 32, 55-61	14
167	Calibration and validation of SWAT model and estimation of water balance components of Shaya mountainous watershed, Southeastern Ethiopia.	25
166	Distributed model of hydrological and sediment transport processes in large river basins in Southeast Asia.	4
165	Modelling water-harvesting systems in the arid south of Tunisia using SWAT.	6
164	SOM dynamics and erosion in an agricultural test field of the Clear Creek, IA watershed.	10
163	Validation of SWAT model for stream flow simulation and forecasting in Upper Bernam humid tropical river basin, Malaysia.	31
162	Modeling impacts of climate and land use changes on catchment hydrology: Meki River, Ethiopia.	2
161	Validation of SWAT simulated streamflow in the Eastern Nile and sensitivity to climate change.	4
160	Impact of climate change on sediment yield in the Mekong River Basin: a case study of the Nam Ou Basin, Lao PDR.	2
159	Estimation of Pollutant Load Using Genetic-algorithm and Regression Model. 2014 , 33, 37-43	2
158	Simulation of Hydrological and Sediment Behaviors in the Doam-dam Watershed considering Soil Properties of the Soil Reconditioned Agricultural Fields. 2007 , 49, 49-60	1
157	Quantitative Study of CO ₂ based on Satellite Image for Carbon Budget on Flux Tower Watersheds. 2015 , 57, 109-120	1
156	Large Scale SWAT Watershed Modeling Considering Multi-purpose Dams and Multi-function Weirs Operation - For Namhan River Basin -. 2016 , 58, 21-35	3
155	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. 2021 , 12, 1334	1
154	Building a smart hydro-informatics system for flood forecasting and warning, a real case study in atlas region -Kingdom of Morocco-. 2021 , 14, 1	0
153	Effects of temporal resolution of river routing on hydrologic modeling and aquatic ecosystem health assessment with the SWAT model. 2021 , 146, 105232	1
152	Stream flow dynamics under current and future land cover conditions in Atsela Watershed, Northern Ethiopia. 1	1
151	Performance of hydrological models in fluvial flow simulation. 2021 , 66, 101453	

150	Applications of Models with Different Spatial Scales. 2002,	2
149	Effects of Changes of Climate, Groundwater Withdrawal, and Landuse on Total Flow During Dry Period. 2006, 39, 923-934	8
148	Estimation of nutrient emissions into the river system of the southwestern Taihu Basin. 2007, 19, 544-551	
147	Climate change and wetland loss impacts on a Western river's water quality.	
146	Impact of the Uncertainty of Future Climates on Discharge in the Nam Ou River Basin, Lao PDR. 2015, 65-87	
145	Present and Future Water Requirements for Crops. 2017, 7-27	5
144	THE LOCAL PARAMETERS SENSITIVITY OF URBAN HYDROLOGICAL RESPONSE UNIT OF CONCEPTUAL HYDROLOGICAL MODEL METQ.	
143	USE OF THE MACROMODEL DNS/SWAT TO CALCULATE THE NATURAL BACKGROUND OF TN AND TP IN SURFACE WATERS FOR THE RAC PARAMETER. 2019, 12, 171-179	0
142	Use of SWAT to Model Impact of Climate Change on Sediment Yield and Agricultural Productivity in Western Oregon, USA. 2019, 09, 54-88	2
141	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. 2019, 07, 74-91	1
140	Determination of the Most Important Parameters Affecting the Urban Runoff using SWMM Model (Case Study: Mashhad City, District 9). 2019, 9, 135-145	0
139	Application of Various Statistical Methods for Analyzing Escherichia coli and Dissolved Oxygen. 2019, 19, 305-313	
138	Karlı Dağ Bir Havzada Göl ve Aylık Akın Değerlerinin SWAT Modeliyle Değerlendirilmesi: Bitlis İl Havzası Üzerine 2020, 20, 651-671	
137	Modelling the Event-Based Hydrological Response of Mediterranean Forests to Prescribed Fire and Soil Mulching with Fern Using the Curve Number, Horton and USLE-Family (Universal Soil Loss Equation) Models. 2021, 10, 1166	
136	Watershed subdivision and weather input effect on streamflow simulation using SWAT model. 2021,	
135	Reservoirs regulate the relationship between hydrological drought recovery water and drought characteristics. <i>Journal of Hydrology,</i> 2021, 603, 127127	6 2
134	Effect of climate change on long-term river geometric variation in Andong Dam watershed, Korea. 2021, 12, 741-758	
133	Climate change impact on major crop yield and water footprint under CMIP6 climate projections in repeated drought and flood areas in Thailand. 2021, 807, 150741	14

132	Evaluating the Performance of HEC-HMS and SWAT Hydrological Models in Simulating the Rainfall-Runoff Process for Data Scarce Region of Ethiopian Rift Valley Lake Basin. 2020 , 10, 105-122		7
131	Impact of Land-Use Changes on Sediment Load and Capacity Reduction of Lake Ziway, Ethiopia. 2020 , 11, 530-542		0
130	Precipitation Changes in Hokkaido and Future Water Resources in Its Main Rivers. 2020 , 97-126		
129	Prediction of groundwater nitrate concentration in a semiarid region using hybrid Bayesian artificial intelligence approaches. 2021 , 1		0
128	Assessment of climate change impact on hydro-climatic variables and its trends over Gidabo Watershed. 1		1
127	Drought propagation modification after the construction of the Three Gorges Dam in the Yangtze River Basin. <i>Journal of Hydrology</i> , 2021 , 603, 127138	6	5
126	Analisis Respons Hidrologi untuk Mendukung Perencanaan Pengelolaan Sub-DAS Opak Hulu, Daerah Istimewa Yogyakarta. 2020 , 25, 503-514		1
125	Streamflow Response to Land Use Land Cover Change Over the Subarnarekha River Basin, India. 2021 , 257-278		
124	SWAT model application for evaluating agricultural conservation practice effectiveness in reducing phosphorous loss from the Western Lake Erie Basin. 2022 , 302, 114000		2
123	Potential Impact of Climate Change on the Sediment Fluxes of a Watershed in West Africa: Cas of the Aghien Lagoon, Cote d'Ivoire. 2022 , 12, 18-30		
122	Variation of Runoff and Runoff Components of the Upper Shule River in the Northeastern Qinghai-Tibet Plateau under Climate Change. <i>Water (Switzerland)</i> , 2021 , 13, 3357	3	0
121	Impact of Land Use Change on Watershed Soil Erosion Under Different Development Scenarios.		
120	Applicability of the Climate Hazards Group Infrared Precipitation with Stations as Rainfall Input for SWAT Watershed Modeling. 2021 , 48, 925-935		
119	Potential Impacts of Land Use Changes on Water Resources in a Tropical Headwater Catchment. <i>Water (Switzerland)</i> , 2021 , 13, 3249	3	1
118	Basin-Scale Pollution Loads Analyzed Based on Coupled Empirical Models and Numerical Models. 2021 , 18,		0
117	Assessing hydrologic alterations due to reservoirs and intensified irrigation in a semi-arid agricultural river basin using SWAT*.		1
116	Hydrological evaluation of 14 satellite-based, gauge-based and reanalysis precipitation products in a data-scarce mountainous catchment.		1
115	Inverted versus Raised: The Impact of Bioretention Underdrain Height on Internal Water-Storage Hydraulics. 2022 , 8,		1

114	Retrieval of Surface Roughness Over Cropped Area using Modified Water Cloud Model (MWCM), Oh Model and SAR Data. 1			1
113	Simulating streamflow in the Cheliff basin of west northern Algeria using the SWAT model. 2022 , 131, 1			1
112	A comparative study on predicting the rapid chloride permeability of self-compacting concrete using meta-heuristic algorithm and artificial intelligence techniques.			6
111	A Union of Dynamic Hydrological Modeling and Satellite Remotely-Sensed Data for Spatiotemporal Assessment of Sediment Yields. 2022 , 14, 400			1
110	Optimizing land use systems of an agricultural watershed in China to meet ecological and economic requirements for future sustainability. 2022 , 33, e01975			1
109	Investigating the impact of calibration timescales on streamflow simulation, parameter sensitivity and model performance for Indian catchments.			1
108	No-tillage implementation: Analyzis on water-based sediment flow in the Marombas River, Brazil. 2022 , 26, 204-211			
107	Reduced runoff and sediment loss under alternative land capability-based land use and management options in a sub-humid watershed of Ethiopia. 2022 , 40, 100998			3
106	Integrated Hydrological and Hydraulic Model for Prediction of Inflows into Hathnur Reservoir. 2022 , 437-446			
105	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. <i>Water (Switzerland)</i> , 2022 , 14, 516	3		0
104	Evaluation of the Impact of Best Management Practices on Streamflow, Sediment and Nutrient Yield at Field and Watershed Scales. 2022 , 36, 1093			4
103	Multi-site multi-objective calibration of SWAT model using a large dataset for improved performance in Ethiopia. 2022 , 15, 1			2
102	Exploring and Modeling the Short-Term Influence of Soil Properties and Covers on Hydrology of Mediterranean Forests after Prescribed Fire and Mulching. <i>Hydrology</i> , 2022 , 9, 21	2.8		2
101	SWAT-Based Analysis of Ganga Water Availability at Farakka. 2022 , 55-71			
100	Comparison of flow simulations with sub-daily and daily GPM IMERG products over a transboundary Chenab River catchment. 2022 , 13, 1204-1224			0
99	Effects of Forest and Agriculture Land Covers on Organic Carbon Flux Mediated through Precipitation. <i>Water (Switzerland)</i> , 2022 , 14, 623	3		1
98	Operational daily evapotranspiration mapping at field scale based on SSEBop model and spatiotemporal fusion of multi-source remote sensing data.. 2022 , 17, e0264133			
97	Model Calibration and Validation. 2022 , 215-269			0

96	Prediction of Rockfill Materials' Shear Strength Using Various Kernel Function-Based Regression Models-A Comparative Perspective.. 2022 , 15,		1
95	Review of water quality models simulating in-stream nutrient dynamics.		
94	Impacts of land-use/land-cover changes on nutrient losses in agricultural catchment, southern Ethiopia.		0
93	Potential predictability of suspended sediment concentration in the data constrained regions of the Mahanadi River basin, Eastern India. 1-21		1
92	Changes in Irrigation Planning and Development Parameters Due to Climate Change. 2022 , 36, 1711		1
91	Assessing the Hydropower Potential Using Hydrological Models and Geospatial Tools in the White Bandama Watershed (Côte d'Ivoire, West Africa). 2022 , 4,		0
90	Dynamic calibration of phytoplankton blooms using the modified SWAT model. 2022 , 343, 131005		3
89	Optimal Band Selection for Airborne Hyperspectral Imagery to Retrieve a Wide Range of Cyanobacterial Pigment Concentration Using a Data-Driven Approach. 2022 , 14, 1754		
88	A Rapid Prediction Model of Urban Flood Inundation in a High-Risk Area Coupling Machine Learning and Numerical Simulation Approaches. 2021 , 12, 903-918		1
87	Modelling the event-based hydrological response of olive groves on steep slopes and clayey soils under mulching and tillage management using the SCS-CN , Horton and USLE -family models.		0
86	Characterizing the groundwater storage-discharge relationship of small catchments in China.		
85	Impact of climate change on streamflow of Melka Wakena catchment, Upper Wabi Shebelle sub-basin, south-eastern Ethiopia.		0
84	Modeling Chlorophyll a with Use of the SWAT Tool for the Nielba River (West-Central Poland) as an Example of an Unmonitored Watercourse. <i>Water (Switzerland)</i> , 2022 , 14, 1528	3	
83	Modeling Water Quantity and Quality Nonlinearities for Watershed Adaptability to Hydroclimate Extremes in Agricultural Landscapes. <i>Hydrology</i> , 2022 , 9, 80	2.8	0
82	Simulation of Maralal Water Flow Distribution Network using EPANET Model in Samburu County, Kenya. 2022 , 10, 4-18		
81	Responses of evapotranspiration to changing climate for the past six decades in the upper catchment of the Olifants River basin. 2022 , 983, 012072		
80	Estimation of Landsat-like daily evapotranspiration for crop water consumption monitoring using TSEB model and data fusion.. 2022 , 17, e0267811		
79	Combining downscaled-GRACE data with SWAT to improve the estimation of groundwater storage and depletion variations in the Irrigated Indus Basin (IIB). 2022 , 838, 156044		3

78	Event-based quickflow simulation with OpenLISEM in a burned Mediterranean forest catchment. 2022,		
77	Assessing the Forecasting Accuracy of a Modified Grey Self-Memory Precipitation Model Considering Scale Effects. <i>Water (Switzerland)</i> , 2022 , 14, 1647	3	0
76	Metrics Assessment and Streamflow Modeling under Changing Climate in a Data-Scarce Heterogeneous Region: A Case Study of the Kabul River Basin. <i>Water (Switzerland)</i> , 2022 , 14, 1697	3	0
75	Prediction of Reservoir Sedimentation in the Long Term Period Due to the Impact of Climate Change: A Case Study of Pleikrong Reservoir. <i>Journal of Disaster Research</i> , 2022 , 17, 552-560	0.8	0
74	National-Scale Assessment of Climate Change Impacts on Two Native Freshwater Fish Using a Habitat Suitability Model. <i>Water (Switzerland)</i> , 2022 , 14, 1825	3	
73	Impact of climate change on future precipitation amounts, seasonal distribution, and streamflow in the Omo-Gibe basin, Ethiopia. <i>Heliyon</i> , 2022 , 8, e09711	3.6	2
72	Assessment of Land Use Change Impact on Sediment Yield Using SWAT and Partial Least Squares Regression Model. <i>Advances in Sustainability Science and Technology</i> , 2023 , 63-73		
71	Comparison of SWAT and MODIS Evapotranspiration Data for Multiple Timescales. <i>Hydrology</i> , 2022 , 9, 103	2.8	1
70	Novel Approach to Predicting Soil Permeability Coefficient Using Gaussian Process Regression. <i>Sustainability</i> , 2022 , 14, 8781	3.6	0
69	An integrated model to optimize planting density and sufficient irrigation depth for increasing hybrid maize seeds yield. <i>Irrigation Science</i> ,	3.1	
68	Quantification of Effects of Natural Geographical Factors and Landscape Patterns on Non-point Source Pollution in Watershed Based on Geodetector: Burhatong River Basin, Northeast China as An Example. <i>Chinese Geographical Science</i> , 2022 , 32, 707-723	2.9	0
67	An Integrated Statistical-Machine Learning Approach for Runoff Prediction. <i>Sustainability</i> , 2022 , 14, 8209.6	3.6	2
66	Effect of Sodium Carboxymethyl Cellulose on Water and Salt Transport Characteristics of Saline-Alkali Soil in Xinjiang, China. <i>Polymers</i> , 2022 , 14, 2884	4.5	1
65	NIT-DRAIN model to simulate nitrate concentrations and leaching in a tile-drained agricultural field. <i>Agricultural Water Management</i> , 2022 , 271, 107798	5.9	0
64	Agricultural Reservoir Operation Strategy Considering Climate and Policy Changes. <i>Sustainability</i> , 2022 , 14, 9014	3.6	0
63	A Comparative Evaluation of Using Rain Gauge and NEXRAD Radar-Estimated Rainfall Data for Simulating Streamflow. <i>Hydrology</i> , 2022 , 9, 133	2.8	0
62	Response of terrestrial water storage and its change to climate change in the endorheic Tibetan Plateau. <i>Journal of Hydrology</i> , 2022 , 612, 128231	6	0
61	Modelling Water Flow and Soil Erosion in Mediterranean Headwaters (with or without Check Dams) under Land-Use and Climate Change Scenarios Using SWAT. 2022 , 14, 2338		1

- 60 Studying the Effect of Blue-Green Infrastructure on Microclimate and Human Thermal Comfort in Melbourne's Central Business District. **2022**, 14, 9057 2
- 59 Modeling the Effects of Climate Change and Land Use/Land Cover Change on Sediment Yield in a Large Reservoir Basin in the East Asian Monsoonal Region. **2022**, 14, 2346 0
- 58 Runoff modelling of Aripal watershed using SWAT model. **2022**, 15,
- 57 Spatial and temporal evolution characteristics of water resources in the Hanjiang River Basin of China over 50 years under a changing environment. 10, 1
- 56 Hybrid ANFIS models were used to calculate the capillary water absorption values of construction stones. **2022**, 1-11
- 55 Estimating Energy Efficient Design Parameters for Trash Racks at Low Head Hydropower Stations. **2022**, 14, 2609 1
- 54 The effects of antecedent dry days and land use types on urban runoff quality in a semi-Arid region. 1-24 0
- 53 Examining model performances and parameter uncertainty for streamflow and suspended sediment regime simulation: Comparison of three calibration methods. **2022**, 612, 128304 0
- 52 Assessment of land use changes in the Verde River basin using two hydrological models. **2022**, 118, 103954
- 51 Erosion Risk Assessment for Prioritization of Conservation Measures in the Watershed of Genale Dawa-3 Hydropower Dam, Ethiopia. **2022**, 5, 39 0
- 50 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. **2022**, 44, 101202 0
- 49 Eutrophication risk assessment of a large reservoir in the Brazilian semiarid region under climate change scenarios. **2022**, 94, 0
- 48 Impact of Variation in Climatic Parameters on Hydropower Generation: A Case of Hydropower Project in Nepal. 0
- 47 Role of changing land use and land cover on the 2018 megafloods over Kerala, India. 1
- 46 Assessment of Agricultural Water Sufficiency under Climate and Land Use Changes in the Lam Takong River Basin. **2022**, 14, 2794 0
- 45 Assessment of DRAINMOD-NII model for prediction of nitrogen losses through subsurface drained sandy clay under cultivation in south west Punjab, India. 0
- 44 Simulating Ecological Functions of Vegetation Using a Dynamic Vegetation Model. **2022**, 13, 1464 0
- 43 Imputation of missing monthly rainfall data using machine learning and spatial interpolation approaches in Thale Sap Songkhla River Basin, Thailand. 0

42	Modeling runoff-sediment influx responses to alternative BMP interventions in the Gojeb watershed, Ethiopia, using the SWAT hydrological model.	1
41	Comparison of Calibration Approaches of the Soil and Water Assessment Tool (SWAT) Model in a Tropical Watershed. 2022 , 9, 183	0
40	Long-Term Flooding Maps Forecasting System Using Series Machine Learning and Numerical Weather Prediction System. 2022 , 14, 3346	0
39	Downscaled Climate Change Projections in Urban Centers of Southwest Ethiopia Using CORDEX Africa Simulations. 2022 , 10, 158	0
38	Integrated use of regional weather forecasting and crop modeling for water stress assessment on rice yield. 2022 , 12,	0
37	Evaluation of streamflow response to climate change in the data-scarce region, Ethiopia. 2022 , 8,	0
36	Replicating measured site-scale soil organic carbon dynamics in the U.S. Corn Belt using the SWAT-C model. 2022 , 158, 105553	0
35	A novel pollution risk assessment model for the cropland applications of animal manure.	0
34	Assessment of land use/land cover change impact on streamflow: a case study over upper Guder Catchment, Ethiopia. 2023 , 9,	1
33	Factors controlling the temporal variability of streamflow transit times in tropical alpine catchments. 2023 , 617, 128990	0
32	Performance evaluation of AquaCrop and DSSAT-SUBSTOR-Potato models in simulating potato growth, yield and water productivity under various drip fertigation regimes. 2023 , 276, 108076	0
31	Impact of land-use and land-cover change on watershed hydrology: a case study of Mojo watershed, Ethiopia. 2022 , 81,	0
30	Refined revealing the chain path of multiple ecosystem services under diverse environmental factor gradients. 2022 , 161187	0
29	Impact of climate change on hydrological response of Mojo river catchment, Awash river basin, Ethiopia.	0
28	Simulation Study on the Effect of Non-Point Source Pollution on Water Quality in the Upper Reaches of the Lijiang River. 2022 , 14, 3995	1
27	Impact of variation in climatic parameters on hydropower generation: A case of hydropower project in Nepal. 2022 , 8, e12240	0
26	Water Balance Uncertainty of a Hydrologic Model to Lengthy Drought and Storm Events in Managed Forest Catchments, Eastern Australia. 2023 , 12, 3	0
25	Examining the impacts of climate variabilities and land use change on hydrological responses of Awash River basin, Ethiopia. 2022 ,	2

24	Modelling the impact of hydrological parameter effect on streamflow due to futuristic climate change scenarios in the South Omo-Gibe River basin, Ethiopia. 2023 , 9,	○
23	Estimation of Runoff and Sediment Yield in Response to Temporal Land Cover Change in Kentucky, USA. 2023 , 12, 147	○
22	Hydrological modeling of the watershed of a RAMSAR site using the SWAT model (Ichkeul National Park Tunisia of the extreme north).	○
21	Mapping Ecosystem Services in an Andean Water Supply Basin. 2023 , 15, 1793	○
20	Multi-Site Calibration of Hydrological Model and Spatio-Temporal Assessment of Water Balance in a Monsoon Watershed. 2023 , 15, 360	○
19	Future Climate Change Impact on the Streamflow of Mahi River Basin Under Different General Circulation Model Scenarios.	○
18	Optimal Design of Groundwater Quality Monitoring Network Using Aquifer Vulnerability Map.	○
17	Integrated and Individual Impacts of Land Use Land Cover and Climate Changes on Hydrological Flows over Birr River Watershed, Abbay Basin, Ethiopia. 2023 , 15, 166	1
16	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. 2023 , 3, 1-18	1
15	Hydrological Model Evaluation of Ground, GPM IMERG, and CHIRPS precipitation data for Shabelle Basin in Ethiopia. 2022 , 41-60	○
14	Optimization design of quality monitoring network of Urmia plain using genetic algorithm and vulnerability map. 2023 , 38,	○
13	Assessments of the impacts of land use/land cover change on water resources: Tana Sub-Basin, Ethiopia.	○
12	Sediment-Loading Processes in a Forested Catchment: Modeling and Observations. 2023 , 13, 94-113	○
11	Combined Impacts of Climate Change and Water Withdrawals on the Water Balance at the Watershed Scale The Case of the Allier Alluvial Hydrosystem (France). 2023 , 15, 3275	○
10	Analysis of NASA POWER reanalysis products to predict temperature and precipitation in Euphrates River basin. 2023 , 619, 129327	○
9	Assessment of spatio-temporal variation of water balance components by simulating the hydrological processes of a large complex watershed. 2023 , 82,	○
8	A VBA-Based Field Water Balance Model for Efficient Irrigation Water Management of Corn (Zea mays L.). 2023 , 13, 751	○
7	Soil Moisture to Runoff (SM2R): A Data-Driven Model for Runoff Estimation Across Poorly Gauged Asian Water Towers Based on Soil Moisture Dynamics. 2023 , 59,	○

- 6 Development of a One-Parameter New Exponential (ONE) Model for Simulating Rainfall-Runoff and Comparison with Data-Driven LSTM Model. **2023**, 15, 1036 ○
- 5 Plant parameterization and APEXgraze model calibration and validation for US land resource region H grazing lands. **2023**, 207, 103631 ○
- 4 Analysis of Runoff according to Land-Use Change in the Upper Hutuo River Basin. **2023**, 15, 1138 ○
- 3 Modeling Non-point Source Phosphorus Load on a Rural Basin with Onsite Wastewater Treatment Systems. **2021**, 27, 1-10 ○
- 2 Investigation into Recent Temperature and Rainfall Trends in Mali Using Mann-Kendall Trend Test: Case Study of Bamako. **2023**, 11, 155-172 ○
- 1 The impact of e-government services on customer satisfaction in the private sector: A case study of the Kingdom of Bahrain (SIJILAT), an online commercial registration. ○