

Model Evaluation Guidelines for Systematic Quantification of Uncertainties in Simulations

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Citation Report

#	ARTICLE	IF	CITATIONS
2	PRACTICAL GUIDANCE FOR DISCHARGE AND WATER QUALITY DATA COLLECTION ON SMALL WATERSHEDS. Transactions of the ASABE, 2006, 49, 937-948.	1.1	53
3	The Soil and Water Assessment Tool: Historical Development, Applications, and Future Research Directions. Transactions of the ASABE, 2007, 50, 1211-1250.	1.1	1,979
4	Water Quality Modeling for the Raccoon River Watershed Using SWAT. Transactions of the ASABE, 2007, 50, 479-493.	1.1	129
5	Fecal Bacteria Source Characterization and Sensitivity Analysis of SWAT 2005. , 2007, , .		0
6	Separating spatial and temporal sources of variation for model testing in precision agriculture. Precision Agriculture, 2007, 8, 297-310.	3.1	7
7	Errorâ€œcorrection methods and evaluation of an ensemble based hydrological forecasting system for the Upper Danube catchment. Atmospheric Science Letters, 2008, 9, 95-102.	0.8	55
8	Spatial Calibration and Temporal Validation of Flow for Regional Scale Hydrologic Modeling¹. Journal of the American Water Resources Association, 2008, 44, 829-846.	1.0	64
9	Designing BMPs at a Watershed-Scale Using SWAT and a Genetic Algorithm. , 2008, , .		11
10	The influence of impoundments on riverine nutrient transport: An evaluation using the Soil and Water Assessment Tool. Journal of Hydrology, 2008, 355, 131-147.	2.3	71
11	SWAT developments and recommendations for modelling agricultural pesticide mitigation measures in river basins. Hydrological Sciences Journal, 2008, 53, 1075-1089.	1.2	31
12	Annualized Agricultural Non-Point Source model application for Mississippi Delta Beasley Lake watershed conservation practices assessment. Journal of Soils and Water Conservation, 2008, 63, 542-551.	0.8	53
13	A Method for Measuring the Incremental Information Contributed from Non-Stationary Spatio-Temporal Data to be Fused. , 2008, , .		0
14	Hydrologic Modeling of the Fox River Watershed: Model Development, Calibration, and Validation. , 2008, , .		1
15	A Modified Tracer Selection and Tracking Procedure to Derive Winds Using Water Vapor Imagers. Journal of Applied Meteorology and Climatology, 2008, 47, 3252-3263.	0.6	20
16	Modeling runoff and sediment yields from combined in-field crop practices using the Soil and Water Assessment Tool. Journal of Soils and Water Conservation, 2008, 63, 193-203.	0.8	17
17	Conservation Effects Assessment Project research in the Leon River and Riesel watersheds. Journal of Soils and Water Conservation, 2008, 63, 453-460.	0.8	16
18	Application of the Soil and Water Assessment Tool and Annualized Agricultural Non-Point Source models in the St. Joseph River watershed. Journal of Soils and Water Conservation, 2008, 63, 552-568.	0.8	32
19	Environmental quality research in the Beasley Lake watershed, 1995 to 2007: Succession from conventional to conservation practices. Journal of Soils and Water Conservation, 2008, 63, 430-442.	0.8	49

#	ARTICLE	IF	CITATIONS
20	Environmental effects of agricultural conservation: A framework for research in two watersheds in Oklahoma's Upper Washita River Basin. <i>Journal of Soils and Water Conservation</i> , 2008, 63, 443-452.	0.8	39
21	Evaluation of streamflow simulation by SWAT model for two small watersheds under snowmelt and rainfall. <i>Hydrological Sciences Journal</i> , 2008, 53, 961-976.	1.2	78
22	Hydrologic calibration and validation of the Soil and Water Assessment Tool for the Leon River watershed. <i>Journal of Soils and Water Conservation</i> , 2008, 63, 533-541.	0.8	28
23	The Conservation Effects Assessment Project benchmark watersheds: Synthesis of preliminary findings. <i>Journal of Soils and Water Conservation</i> , 2008, 63, 590-604.	0.8	98
24	Flow Detachment of Soils under Different Land Uses in the Loess Plateau of China. <i>Transactions of the ASABE</i> , 2008, 51, 883-890.	1.1	79
25	Calibration and Validation of the SWAT Model for a Forested Watershed in Coastal South Carolina. , 2008, , .		0
26	Simulation of an Agricultural Watershed Using an Improved Curve Number Method in SWAT. <i>Transactions of the ASABE</i> , 2008, 51, 1323-1339.	1.1	30
27	Use of the SWAT Model to Quantify Water Quality Effects of Agricultural BMPs at the Farm-Scale Level. <i>Transactions of the ASABE</i> , 2008, 51, 1925-1936.	1.1	33
28	Evaluation of Regression Methodology with Low-Frequency Water Quality Sampling to Estimate Constituent Loads for Ephemeral Watersheds in Texas. <i>Journal of Environmental Quality</i> , 2008, 37, 1847-1854.	1.0	23
29	Comparison of the Soil-Plant-Air-Water Model and the Iowa State University-Effluent Limitation Guidelines Model to Replicate Holding Basin Performance. , 2008, , .		0
30	The Use of the Soil-Plant-Air-Water Model to Predict the Hydraulic Performance of Vegetative Treatment Areas for Controlling Open Feedlot Runoff. , 2008, , .		0
31	Conservation Effects Assessment Using SWAT in Cheney Lake Watershed CEAP South-central Kansas. , 2008, , .		0
32	Sensitivity to Grid and Time Resolution of Hydrology Components of DANSAT. <i>Transactions of the ASABE</i> , 2009, 52, 1121-1128.	1.1	5
33	Watershed-Scale Fate and Transport of Bacteria. <i>Transactions of the ASABE</i> , 2009, 52, 145-154.	1.1	40
34	Spatial Resolution Effect of Precipitation Data on SWAT Calibration and Performance: Implications for CEAP. <i>Transactions of the ASABE</i> , 2009, 52, 1171-1180.	1.1	33
35	Evaluation of APEX for Daily Runoff and Sediment Yield from Three Plots in the Middle Huaihe River Watershed, China. <i>Transactions of the ASABE</i> , 2009, 52, 1833-1845.	1.1	24
36	Effect of Spatial Distribution of Rainfall on Temporal and Spatial Uncertainty of SWAT Output. <i>Transactions of the ASABE</i> , 2009, 52, 1545-1556.	1.1	50
37	Soil and Water Assessment Tool evaluation of soil and land use geographic information system data sets on simulated stream flow. <i>Journal of Soils and Water Conservation</i> , 2009, 64, 17-32.	0.8	28

#	ARTICLE	IF	CITATIONS
38	Modeling river flows and sediment dynamics for the Laguna de Santa Rosa watershed in Northern California. <i>Journal of Soils and Water Conservation</i> , 2009, 64, 383-393.	0.8	10
39	Generating Different Scenarios of BMP Designs in a Watershed Scale by Combining NSGA-II with SWAT. , 2009, , .		2
40	The Effect of Large-Scale Atmospheric Uncertainty on Streamflow Predictability. <i>Journal of Hydrometeorology</i> , 2009, 10, 717-733.	0.7	6
41	A comparison of performance of several artificial intelligence methods for forecasting monthly discharge time series. <i>Journal of Hydrology</i> , 2009, 374, 294-306.	2.3	657
42	Calibration and uncertainty analysis of the SWAT model using Genetic Algorithms and Bayesian Model Averaging. <i>Journal of Hydrology</i> , 2009, 374, 307-317.	2.3	187
43	Comparison of AnnAGNPS and SWAT model simulation results in USDAâ€™s CEAP agricultural watersheds in southâ€™central Kansas. <i>Hydrological Processes</i> , 2009, 23, 748-763.	1.1	139
44	Response of hydrological processes to landâ€™cover and climate changes in Kejie watershed, southâ€™west China. <i>Hydrological Processes</i> , 2009, 23, 1179-1191.	1.1	162
45	Spatial delineation of soil erosion vulnerability in the Lake Tana Basin, Ethiopia. <i>Hydrological Processes</i> , 2009, 23, 3738-3750.	1.1	119
46	Modelling Impacts of Land Cover Change on Critical Water Resources in the Motueka River Catchment, New Zealand. <i>Water Resources Management</i> , 2009, 23, 137-151.	1.9	67
47	Modeling Nitrate-Nitrogen Load Reduction Strategies for the Des Moines River, Iowa Using SWAT. <i>Environmental Management</i> , 2009, 44, 671-682.	1.2	78
48	Surface energy balance model of transpiration from variable canopy cover and evaporation from residue-covered or bare-soil systems. <i>Irrigation Science</i> , 2009, 28, 51-64.	1.3	26
49	Using SWAT to Model Streamflow in Two River Basins With Ground and Satellite Precipitation Data ¹ . <i>Journal of the American Water Resources Association</i> , 2009, 45, 253-271.	1.0	78
50	Evaluation of a Watershed Model for Estimating Daily Flow Using Limited Flow Measurements ¹ . <i>Journal of the American Water Resources Association</i> , 2009, 45, 475-484.	1.0	15
51	Predicting the Fate and Transport of <i>E. coli</i> in Two Texas River Basins Using a Spatially Referenced Regression Model ¹ . <i>Journal of the American Water Resources Association</i> , 2009, 45, 928-944.	1.0	9
52	Impact of Watershed Subdivision and Soil Data Resolution on SWAT Model Calibration and Parameter Uncertainty ¹ . <i>Journal of the American Water Resources Association</i> , 2009, 45, 1179-1196.	1.0	76
53	Source specific fecal bacteria modeling using soil and water assessment tool model. <i>Bioresource Technology</i> , 2009, 100, 953-963.	4.8	78
54	Dynamic agricultural non-point source assessment tool (DANSAT): Model application. <i>Biosystems Engineering</i> , 2009, 102, 500-515.	1.9	11
55	Modeling Flow and Pollutant Transport in a Karst Watershed with SWAT. <i>Transactions of the ASABE</i> , 2009, 52, 469-479.	1.1	57

#	ARTICLE	IF	CITATIONS
56	Soilâ€Test N Recommendations Augmented with PESTâ€Optimized RZWQM Simulations. <i>Journal of Environmental Quality</i> , 2010, 39, 1711-1723.	1.0	39
57	Hydrological Impacts of Climate Change on the Ebro River Basin. <i>Handbook of Environmental Chemistry</i> , 2010, , 47-75.	0.2	2
58	A Water Quality Model for Regional Stream Assessment and Conservation Strategy Development. <i>Environmental Management</i> , 2010, 45, 868-880.	1.2	9
59	Modeling methane emissions from paddy rice fields under elevated atmospheric carbon dioxide conditions. <i>Advances in Atmospheric Sciences</i> , 2010, 27, 100-114.	1.9	13
60	Evaluation of HEC-HMS and WEPP for simulating watershed runoff using remote sensing and geographical information system. <i>Paddy and Water Environment</i> , 2010, 8, 131-144.	1.0	88
61	Assessing and regulating the impacts of climate change on water resources in the Heihe watershed on the Loess Plateau of China. <i>Science China Earth Sciences</i> , 2010, 53, 710-720.	2.3	27
62	Improving Operational Performance of Farmers Managed Distributary Canal using SIC Hydraulic Model. <i>Water Resources Management</i> , 2010, 24, 3085-3099.	1.9	11
63	Simulation of Agricultural Management Alternatives for Watershed Protection. <i>Water Resources Management</i> , 2010, 24, 3115-3144.	1.9	124
64	Watershed Modeling to Assessing Impacts of Potential Climate Change on Water Supply Availability. <i>Water Resources Management</i> , 2010, 24, 3299-3320.	1.9	78
65	An Indicator Based Assessment for Water Resources Management in Gediz River Basin, Turkey. <i>Water Resources Management</i> , 2010, 24, 4359-4379.	1.9	34
66	Development and Integration of Sub-hourly Rainfallâ€Runoff Modeling Capability Within a Watershed Model. <i>Water Resources Management</i> , 2010, 24, 4505-4527.	1.9	125
67	Simulated environmental effects of wetland restoration scenarios in a typical Canadian prairie watershed. <i>Wetlands Ecology and Management</i> , 2010, 18, 269-279.	0.7	87
68	Influence of different nitrateâ€N monitoring strategies on load estimation as a base for model calibration and evaluation. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 513-527.	1.3	61
69	A Spatially Explicit Model for Estimating Annual Average Loads of Nonpoint Source Nutrient at the Watershed Scale. <i>Environmental Modeling and Assessment</i> , 2010, 15, 569-581.	1.2	13
70	Scenario analysis for reduction of pollutant load discharged from a watershed by recycling of treated water for irrigation. <i>Journal of Environmental Sciences</i> , 2010, 22, 878-884.	3.2	2
71	Percolation losses in paddy fields with a dynamic soil structure: model development and applications. <i>Hydrological Processes</i> , 2010, 24, 813-824.	1.1	23
72	SWATâ€simulated hydrological impact of landâ€use change in the Zanjanrood basin, Northwest Iran. <i>Hydrological Processes</i> , 2010, 24, 892-903.	1.1	186
73	Assessing sensitivity of hydrologic responses to climate change from forested watershed in Mississippi. <i>Hydrological Processes</i> , 2010, 24, 3785-3797.	1.1	46

#	ARTICLE	IF	CITATIONS
74	Assessing climate change impacts on river flows and environmental flow requirements at catchment scale. <i>Ecohydrology</i> , 2010, 3, 28-40.	1.1	4
75	Analysis of the soil and water assessment tool (SWAT) to model <i>Cryptosporidium</i> in surface water sources. <i>Biosystems Engineering</i> , 2010, 106, 303-314.	1.9	18
76	Simulation of land useâ€œsoil interactive effects on water and sediment yields at watershed scale. <i>Ecological Engineering</i> , 2010, 36, 328-344.	1.6	34
77	Global Nutrient Export from WaterSheds 2 (NEWS 2): Model development and implementation. <i>Environmental Modelling and Software</i> , 2010, 25, 837-853.	1.9	404
78	Modelling of hydrologic processes and potential response to climate change through the use of a multisite SWAT. <i>Water and Environment Journal</i> , 2010, 24, 21-31.	1.0	18
79	Modeling of Sediment Yield From Anjeniâ€œGauged Watershed, Ethiopia Using SWAT Model¹. <i>Journal of the American Water Resources Association</i> , 2010, 46, 514-526.	1.0	112
80	Effect of Watershed Subdivision and Filter Width on SWAT Simulation of a Coastal Plain Watershed¹. <i>Journal of the American Water Resources Association</i> , 2010, 46, 586-602.	1.0	35
81	Sensitivity of Stream flow and Water Table Depth to Potential Climatic Variability in a Coastal Forested Watershed¹. <i>Journal of the American Water Resources Association</i> , 2010, 46, 1036-1048.	1.0	18
82	Comparison of the Iowa State University Effluent Limitation Guidelines Model with the Soil-Plant-Air-Water Model for Evaluating Containment Basin Performance. <i>Transactions of the ASABE</i> , 2010, 53, 207-217.	1.1	0
83	APEX Model Assessment of Variable Landscapes on Runoff and Dissolved Herbicides. <i>Transactions of the ASABE</i> , 2010, 53, 1047-1058.	1.1	44
84	Field Evaluations of a Forestry Version of DRAINMOD-NII Model. , 2010, , .		3
85	Use of the Soil-Plant-Air-Water Model to Predict Hydraulic Performance of Vegetative Treatment Areas Controlling Open Lot Runoff. <i>Transactions of the ASABE</i> , 2010, 53, 537.	1.1	3
86	Regionalization of SWAT Model Parameters for Use in Ungauged Watersheds. <i>Water (Switzerland)</i> , 2010, 2, 849-871.	1.2	79
87	Bi-criteria evaluation of the MIKE SHE model for a forested watershed on the South Carolina coastal plain. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1033-1046.	1.9	54
88	Predicting Water Quality in Unmonitored Watersheds Using Artificial Neural Networks. <i>Journal of Environmental Quality</i> , 2010, 39, 1429-1440.	1.0	72
89	Climatology-based regional modelling of potential vegetation and average annual long-term runoff for Mesoamerica. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1801-1817.	1.9	19
90	Modeling Rappahannock River Basin Using SWAT - Pilot for Chesapeake Bay Watershed. <i>Applied Engineering in Agriculture</i> , 2010, 26, 795-805.	0.3	25
91	Autocalibration of HSPF for Simulation of Streamflow Using a Genetic Algorithm. <i>Transactions of the ASABE</i> , 2010, 53, 75-86.	1.1	4

#	ARTICLE	IF	CITATIONS
92	A Comparison of MIKE SHE and DRAINMOD for Modeling Forested Wetland Hydrology in Coastal South Carolina, USA. , 2010, , .		3
93	Assessment of Different Representations of Spatial Variability on SWAT Model Performance. Transactions of the ASABE, 2010, 53, 1433-1443.	1.1	136
94	Soil and Water Assessment Tool (SWAT) Model: Current Developments and Applications. Transactions of the ASABE, 2010, 53, 1423-1431.	1.1	336
95	Differentiating Impacts of Land Use Changes from Pasture Management in a CEAP Watershed Using the SWAT Model. Transactions of the ASABE, 2010, 53, 1569-1584.	1.1	54
96	Modifying Goodness-of-Fit Indicators to Incorporate Both Measurement and Model Uncertainty in Model Calibration and Validation. Transactions of the ASABE, 2010, 53, 55-63.	1.1	87
97	Targeting BMP Placement using SWAT Sediment Yield Estimates for Field-Scale BMPs. , 2010, , .		0
98	Assessment of Total Maximum Daily Load Implementation Strategies for Nitrate Impairment of the Raccoon River, Iowa. Journal of Environmental Quality, 2010, 39, 1317-1327.	1.0	69
99	Model Evaluation of Potential Impacts of On-Site Wastewater Systems on Phosphorus in Turkey Creek Watershed. Journal of Environmental Quality, 2010, 39, 1636-1646.	1.0	11
100	Targeting land-use change for nitrate-nitrogen load reductions in an agricultural watershed. Journal of Soils and Water Conservation, 2010, 65, 342-352.	0.8	70
101	Does soil data resolution matter? State Soil Geographic database versus Soil Survey Geographic database in rainfall-runoff modeling across Wisconsin. Journal of Soils and Water Conservation, 2010, 65, 190-199.	0.8	24
102	Effects of the resolution of soil dataset and precipitation dataset on SWAT2005 streamflow calibration parameters and simulation accuracy. Journal of Soils and Water Conservation, 2010, 65, 63-78.	0.8	43
103	Dialysis adequacy evaluation model based on fuzzy AHP and group decision making. , 2010, , .		0
104	Developing a System Dynamics Model for Phosphorous TMDL in Reservoir: A Case Study. , 2010, , .		2
105	Pathogen Sources Estimation and Scenario Analysis Using the Soil and Water Assessment Tool (SWAT). Human and Ecological Risk Assessment (HERA), 2010, 16, 913-933.	1.7	14
106	Adjusting Satellite Precipitation Data to Facilitate Hydrologic Modeling. Journal of Hydrometeorology, 2010, 11, 966-978.	0.7	68
107	Hydrologic modeling of runoff from a livestock manure windrow composting site with a fly ash pad surface and vegetative filter strip buffers. Journal of Soils and Water Conservation, 2010, 65, 252-260.	0.8	3
108	Impact of Climate Change Projections and Best Management Practices on River Flows and Sediment Load. , 2010, , .		2
109	Assessing Rainfall Data Homogeneity and Estimating Missing Records in Māhaha Valley, Oāhū, Hawaiāi. Journal of Hydrologic Engineering - ASCE, 2010, 15, 61-66.	0.8	22

#	ARTICLE	IF	CITATIONS
110	Spatially distributed erosion and sediment yield modeling in the upper Indus River basin. <i>Water Resources Research</i> , 2010, 46, .	1.7	27
111	Terrestrial hydrological features of the Pearl River basin in South China. <i>Journal of Hydro-Environment Research</i> , 2010, 4, 279-288.	1.0	42
112	Application of radial basis function neural networks to short-term streamflow forecasting. <i>Physics and Chemistry of the Earth</i> , 2010, 35, 571-581.	1.2	64
113	A hybrid conceptual“fuzzy inference streamflow modelling for the Letaba River system in South Africa. <i>Physics and Chemistry of the Earth</i> , 2010, 35, 582-595.	1.2	17
114	Meteorological effects on the levels of fecal indicator bacteria in an urban stream: A modeling approach. <i>Water Research</i> , 2010, 44, 2189-2202.	5.3	83
115	Development of a pathogen transport model for Irish catchments using SWAT. <i>Agricultural Water Management</i> , 2010, 97, 101-111.	2.4	67
116	Sensitivity of groundwater recharge under irrigated agriculture to changes in climate, CO2 concentrations and canopy structure. <i>Agricultural Water Management</i> , 2010, 97, 1039-1050.	2.4	40
117	Assessing the groundwater dynamics and impacts of water saving in the Hetao Irrigation District, Yellow River basin. <i>Agricultural Water Management</i> , 2010, 98, 301-313.	2.4	164
118	Optimization of Watershed Control Strategies for Reservoir Eutrophication Management. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 847-861.	0.6	26
119	Spatial and temporal changes of water quality, and SWAT modeling of Vosvozis river basin, North Greece. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1421-1440.	0.9	24
120	Simulation du débit de la rivière Saint-Charles, première source d’eau potable de la ville de Québec. <i>Canadian Journal of Civil Engineering</i> , 2010, 37, 311-321.	0.7	3
121	Comparison of Rainfall Interpolation Methods in a Mountainous Region of a Tropical Island. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 371-383.	0.8	151
122	Two-Way Calibration-Validation of SWAT Model for a Small Prairie Watershed with Short Observed Record. <i>Canadian Water Resources Journal</i> , 2011, 36, 247-270.	0.5	16
123	Automatic calibration of SWAT model in the head region of the Yellow River. , 2011, , .		0
124	Modeling nitrogen loadings from agricultural soils in southwest China with modified DNDC. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	46
125	An integrated observational and model-based analysis of the hydrologic response of prairie pothole systems to variability in climate. <i>Water Resources Research</i> , 2011, 47, .	1.7	40
126	Streamflow responses to past and projected future changes in climate at the Hubbard Brook Experimental Forest, New Hampshire, United States. <i>Water Resources Research</i> , 2011, 47, .	1.7	95
127	Sediment management modelling in the Blue Nile Basin using SWAT model. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 807-818.	1.9	308

#	ARTICLE	IF	CITATIONS
128	Hydro-Meteorology and Water Budget of the Mara River Basin Under Land Use Change Scenarios. , 2011, , 39-68.		30
129	Hydrologic Modeling of the Bouregreg Watershed (Morocco) Using GIS and SWAT Model. Journal of Geographic Information System, 2011, 03, 279-289.	0.3	41
130	Multi-period calibration of a semi-distributed hydrological model based on hydroclimatic clustering. Advances in Water Resources, 2011, 34, 1292-1303.	1.7	48
131	Modelling for maize irrigation scheduling using long term experimental data from Plovdiv region, Bulgaria. Agricultural Water Management, 2011, 98, 675-683.	2.4	33
132	Cover crop effects on nitrogen load in tile drainage from Walnut Creek Iowa using root zone water quality (RZWQ) model. Agricultural Water Management, 2011, 98, 1622-1628.	2.4	32
133	Impacts of conservation buffers and grasslands on total phosphorus loads using hydrological modeling and remote sensing techniques. Catena, 2011, 86, 121-129.	2.2	4
134	Land use disturbance indicators and water quality variability in the Biscayne Bay Watershed, Florida. Ecological Indicators, 2011, 11, 1093-1104.	2.6	97
135	Application of the Soil and Water Assessment Tool for six watersheds of Lake Erie: Model parameterization and calibration. Journal of Great Lakes Research, 2011, 37, 263-271.	0.8	54
136	Prediction of contamination potential of groundwater arsenic in Cambodia, Laos, and Thailand using artificial neural network. Water Research, 2011, 45, 5535-5544.	5.3	115
137	Filling of missing rainfall data in Luvuvhu River Catchment using artificial neural networks. Physics and Chemistry of the Earth, 2011, 36, 830-835.	1.2	41
138	Sensitivity analyses of landscape attributes on flow prediction in data-poor Semliki watershed. Physics and Chemistry of the Earth, 2011, 36, 814-822.	1.2	2
139	Application of the SCS-CN Model to Runoff Estimation in a Small Watershed with High Spatial Heterogeneity. Pedosphere, 2011, 21, 738-749.	2.1	102
140	SWAT-Based Streamflow and Embayment Modeling of Karst-Affected Chapel Branch Watershed, South Carolina. Transactions of the ASABE, 2011, 54, 1311-1323.	1.1	23
141	Using Total Solids Concentration to Estimate Nutrient Content of Feedlot Runoff Effluent from Solid Settling Basins, Vegetative Infiltration Basins, and Vegetative Treatment Areas. Applied Engineering in Agriculture, 2011, 27, 813-820.	0.3	0
142	Comparison and Analysis of Empirical Equations for Soil Heat Flux for Different Cropping Systems and Irrigation Methods. Transactions of the ASABE, 2011, 54, 67-80.	1.1	6
143	Shallow Water Table Depth Algorithm in SWAT: Recent Developments. Transactions of the ASABE, 2011, 54, 1705-1711.	1.1	14
144	Integrating APEX Output for Cultivated Cropland with SWAT Simulation for Regional Modeling. Transactions of the ASABE, 2011, 54, 1281-1298.	1.1	46
145	Soil Erosion Model Predictions Using Parent Material/Soil Texture-Based Parameters Compared to Using Site-Specific Parameters. Transactions of the ASABE, 2011, 54, 1347-1356.	1.1	13

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146	Climate change impact on water resource extremes in a headwater region of the Tarim basin in China. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3511-3527.	1.9	58
147	Evaluating Hydrologic Response of an Agricultural Watershed for Watershed Analysis. <i>Water (Switzerland)</i> , 2011, 3, 604-617.	1.2	41
148	Evaluating uncertainty estimates in hydrologic models: borrowing measures from the forecast verification community. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3367-3382.	1.9	52
149	Seasonal and Annual Impacts of Climate Change on Watershed Response Using an Ensemble of Global Climate Models. <i>Transactions of the ASABE</i> , 2011, 54, 2209-2218.	1.1	17
150	Determining Nutrient and Sediment Critical Source Areas with SWAT: Effect of Lumped Calibration. <i>Transactions of the ASABE</i> , 2011, 55, 137-147.	1.1	63
151	Integrated Landsat Image Analysis and Hydrologic Modeling to Detect Impacts of 25-Year Land-Cover Change on Surface Runoff in a Philippine Watershed. <i>Remote Sensing</i> , 2011, 3, 1067-1087.	1.8	16
152	AnnAGNPS Model Application for Nitrogen Loading Assessment for the Future Midwest Landscape Study. <i>Water (Switzerland)</i> , 2011, 3, 196-216.	1.2	12
153	Climate Variability and Its Impact on Forest Hydrology on South Carolina Coastal Plain, USA. <i>Atmosphere</i> , 2011, 2, 330-357.	1.0	27
154	Simulating Long-Term Impacts of Winter Rye Cover Crop on Hydrologic Cycling and Nitrogen Dynamics for a Corn-Soybean Crop System. <i>Transactions of the ASABE</i> , 2011, 54, 1575-1588.	1.1	65
155	Effects of the "Conversion of Cropland to Forest and Grassland Program" on the Water Budget of the Jinghe River Catchment in China. <i>Journal of Environmental Quality</i> , 2011, 40, 1745-1755.	1.0	47
156	Improving Model Performance Using Dynamic Evaluation and Proper Objective Function. , 2011, , .		2
157	Development and evaluation of a new Canadian spring wheat sub-model for DNDC. <i>Canadian Journal of Soil Science</i> , 2011, 91, 503-520.	0.5	52
158	Goodness-of-fit measures: what do they tell about vegetation variable retrieval performance from Earth observation data. <i>Proceedings of SPIE</i> , 2011, , .	0.8	18
159	Modeling Sediment and Nitrogen Export from a Rural Watershed in Eastern Canada Using the Soil and Water Assessment Tool. <i>Journal of Environmental Quality</i> , 2011, 40, 1182-1194.	1.0	61
160	Modelling of Streamflow of a Catchment in Kenya. <i>Journal of Water Resource and Protection</i> , 2011, 03, 667-677.	0.3	6
161	Sediment Measurement and Transport Modeling: Impact of Riparian and Filter Strip Buffers. <i>Journal of Environmental Quality</i> , 2011, 40, 807-814.	1.0	43
162	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.	1.0	46
163	Reducing surface water pollution through the assessment of the cost-effectiveness of BMPs at different spatial scales. <i>Journal of Environmental Management</i> , 2011, 92, 2823-2835.	3.8	84

#	ARTICLE	IF	CITATIONS
164	Uncertainty assessment of climate change impacts on the hydrology of small prairie wetlands. <i>Journal of Hydrology</i> , 2011, 396, 94-103.	2.3	85
165	Distance-decay patterns of nutrient loading at watershed scale: Regression modeling with a special spatial aggregation strategy. <i>Journal of Hydrology</i> , 2011, 402, 239-249.	2.3	20
166	Nutrient discharges to Biscayne Bay, Florida: Trends, loads, and a pollutant index. <i>Science of the Total Environment</i> , 2011, 409, 530-539.	3.9	44
167	Effects on aquatic and human health due to large scale bioenergy crop expansion. <i>Science of the Total Environment</i> , 2011, 409, 3215-3229.	3.9	43
168	SWAT parameterization for the identification of critical diffuse pollution source areas under data limitations. <i>Ecological Modelling</i> , 2011, 222, 3500-3512.	1.2	105
169	Impact of climate change on stream discharge and sediment yield in Northern Viet Nam. <i>Water Resources</i> , 2011, 38, 827-836.	0.3	45
170	Using MODFLOW and GIS to Assess Changes in Groundwater Dynamics in Response to Water Saving Measures in Irrigation Districts of the Upper Yellow River Basin. <i>Water Resources Management</i> , 2011, 25, 2035-2059.	1.9	118
171	Evaluating the SWAT Model for Hydrological Modeling in the Xixian Watershed and a Comparison with the XAJ Model. <i>Water Resources Management</i> , 2011, 25, 2595-2612.	1.9	101
172	Diffuse Surface Water Pollution: Driving Factors for Different Geoclimatic Regions. <i>Water Resources Management</i> , 2011, 25, 3635-3660.	1.9	47
173	Accuracy evaluation of ClimGen weather generator and daily to hourly disaggregation methods in tropical conditions. <i>Theoretical and Applied Climatology</i> , 2011, 106, 321-341.	1.3	26
174	APEX model simulation of runoff and sediment losses for grazed pasture watersheds with agroforestry buffers. <i>Agroforestry Systems</i> , 2011, 83, 51-62.	0.9	26
175	Application of a Multi-Objective Optimization Method to Provide Least Cost Alternatives for NPS Pollution Control. <i>Environmental Management</i> , 2011, 48, 448-461.	1.2	108
176	Flexibility analysis of irrigation outlet structures using simulation of irrigation canal hydrodynamic model. <i>Irrigation Science</i> , 2011, 29, 127-134.	1.3	7
177	Simulation of point source wetting pattern of subsurface drip irrigation. <i>Irrigation Science</i> , 2011, 29, 331-339.	1.3	42
178	Predicting dissolved oxygen in the Chesapeake Bay: applications and implications. <i>Aquatic Sciences</i> , 2011, 73, 437-451.	0.6	16
179	Bayesian approach to estimating margin of safety for total maximum daily load development. <i>Journal of Environmental Management</i> , 2011, 92, 910-918.	3.8	25
180	Estimating non-point source pollutant loads for the large-scale basin of the Yangtze River in China. <i>Environmental Earth Sciences</i> , 2011, 63, 1079-1092.	1.3	71
181	Modelling effects of land use/cover changes under limited data. <i>Ecohydrology</i> , 2011, 4, 265-276.	1.1	39

#	ARTICLE	IF	CITATIONS
182	Evaluation of River Water Quality Simulations at a Daily Time Step – Experience with SWAT in the Axe Catchment, UK. Clean - Soil, Air, Water, 2011, 39, 43-54.	0.7	37
183	The effect of soil data resolution on hydrological processes modelling in a large humid watershed. Hydrological Processes, 2011, 25, 130-140.	1.1	27
184	Enhancing RUSLE to include runoff-driven phenomena. Hydrological Processes, 2011, 25, 1373-1390.	1.1	60
185	Input data resolution-induced uncertainty in watershed modelling. Hydrological Processes, 2011, 25, 2302-2312.	1.1	9
186	Simultaneous calibration of surface flow and baseflow simulations: a revisit of the SWAT model calibration framework. Hydrological Processes, 2011, 25, 2313-2320.	1.1	56
187	Improving hydrologic predictions of a catchment model via assimilation of surface soil moisture. Advances in Water Resources, 2011, 34, 526-536.	1.7	157
188	Water quality impact assessment of large-scale biofuel crops expansion in agricultural regions of Michigan. Biomass and Bioenergy, 2011, 35, 2200-2216.	2.9	76
189	Simulating Hydrologic Effects of Raised Roads within a Low-Relief Watershed. Journal of Hydrologic Engineering - ASCE, 2011, 16, 585-597.	0.8	6
190	Potential water quality changes due to corn expansion in the Upper Mississippi River Basin. , 2011, 21, 1068-1084.		90
191	A Discontinuous Galerkin Method for Two-Dimensional Shock Wave Modeling. Modelling and Simulation in Engineering, 2011, 2011, 1-10.	0.4	2
192	Evaluating Surface Energy Balance System (SEBS) Using Aircraft Data Collected during BEAREX07. , 2011, , .		0
193	Combined model of chaos theory, wavelet and support vector machine for forecasting runoff series and its application. , 2011, , .		2
194	Simulating hydrologic response of a pasture hillslope in North Alabama using the Hortonian Infiltration and Runoff/On model. Journal of Soils and Water Conservation, 2011, 66, 411-422.	0.8	2
195	Hydrologic Modeling of a Canal-Irrigated Agricultural Watershed with Irrigation Best Management Practices: Case Study. Journal of Hydrologic Engineering - ASCE, 2011, 16, 746-757.	0.8	31
196	The challenge of documenting water quality benefits of conservation practices: a review of USDA-ARS's conservation effects assessment project watershed studies. Water Science and Technology, 2011, 64, 300-310.	1.2	121
197	Implementation of artificial neural network technique in the simulation of dam breach hydrograph. Journal of Hydroinformatics, 2012, 14, 478-496.	1.1	21
198	Water resources management under future development and climate change impacts in the Upper Srepok River Basin, Central Highlands of Vietnam. Water Policy, 2012, 14, 725-745.	0.7	7
199	An Operation-Based Scheme for a Multiyear and Multipurpose Reservoir to Enhance Macroscale Hydrologic Models. Journal of Hydrometeorology, 2012, 13, 270-283.	0.7	50

#	ARTICLE	IF	CITATIONS
200	Estimating the impacts and uncertainty of changing spatial input data resolutions on streamflow simulations in two basins. <i>Journal of Hydroinformatics</i> , 2012, 14, 902-917.	1.1	4
201	Assessing NEXRAD P3 Data Effects on Stream-Flow Simulation Using SWAT Model in an Agricultural Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 1245-1254.	0.8	11
202	Biaxial Tensile Testing and Constitutive Modeling of Human Supraspinatus Tendon. <i>Journal of Biomechanical Engineering</i> , 2012, 134, 021004.	0.6	63
203	Using residual analysis, auto- and cross-correlations to identify key processes for the calibration of the SWAT model in a data scarce region. <i>Advances in Geosciences</i> , 0, 31, 23-30.	12.0	9
204	Interactions between the Surface Water and Groundwater of the Red River in Hanoi, Vietnam. , 2012, , .		0
205	Model Performance Sensitivity to Objective Function during Automated Calibrations. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 756-767.	0.8	60
206	Analysis on water balance in different land cover types at upper reaches of Heihe River basin in northwestern China using SWAT model. , 2012, , .		0
207	Application of annual interception model with temporal resolutions effects. , 2012, , .		0
208	Validation of evaporation estimates from a modified surface energy balance algorithm for land (SEBAL) model in the south-eastern United States. <i>Remote Sensing Letters</i> , 2012, 3, 511-519.	0.6	20
209	Development and validation of the Texas Best Management Practice Evaluation Tool (TBET). <i>Journal of Soils and Water Conservation</i> , 2012, 67, 525-535.	0.8	24
210	Evaluating hydrology of the Soil and Water Assessment Tool (SWAT) with new tile drain equations. <i>Journal of Soils and Water Conservation</i> , 2012, 67, 513-524.	0.8	48
211	Using the Agricultural Policy/Environmental eXtender to develop and validate physically based indices for the delineation of critical management areas. <i>Journal of Soils and Water Conservation</i> , 2012, 67, 284-299.	0.8	36
212	The application of the Revised Universal Soil Loss Equation, Version 2, to evaluate the impacts of alternative climate change scenarios on runoff and sediment yield. <i>Journal of Soils and Water Conservation</i> , 2012, 67, 343-353.	0.8	49
213	Modelling streamflow trends for a watershed with limited data: case of the Litani basin, Lebanon. <i>Hydrological Sciences Journal</i> , 2012, 57, 1516-1529.	1.2	11
214	Long-term measurements and model simulations of phosphorus leaching from a manured sandy soil. <i>Journal of Soils and Water Conservation</i> , 2012, 67, 101-110.	0.8	32
216	Preliminary Hybrid Modeling of the Panama Canal: Operations and Salinity Diffusion. <i>Modelling and Simulation in Engineering</i> , 2012, 2012, 1-9.	0.4	2
217	Manure nutrient management effects in the Leon River Watershed. <i>Journal of Soils and Water Conservation</i> , 2012, 67, 147-157.	0.8	2
218	Agricultural Reference Index for Drought (ARID). <i>Agronomy Journal</i> , 2012, 104, 287-300.	0.9	103

#	ARTICLE	IF	CITATIONS
219	Application of WARMF Model to Study the Effect of Land Use Change and Climate Change in the Saughatchee Creek Watershed. , 2012, , .		0
220	Multi-gauge Calibration for Modeling the Semi-Arid Santa Cruz Watershed in Arizona-Mexico Border Area Using SWAT. Air, Soil and Water Research, 2012, 5, ASWR.S9410.	1.2	46
221	EFFECTS OF CLIMATE CHANGE AND HUMAN ACTIVITIES ON STREAMFLOW AND SEDIMENT FLOW INTO THE HOA BINH RESERVOIR. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, 1_91-1_96.	0.0	4
222	SWAT: Model Use, Calibration, and Validation. Transactions of the ASABE, 2012, 55, 1491-1508.	1.1	1,916
223	Calibration of SWAT2009 Using Crop Biomass, Evapotranspiration, and Deep Recharge: Calera Watershed in Zacatecas, Mexico Case Study. Journal of Water Resource and Protection, 2012, 04, 439-450.	0.3	6
224	Critical review of SWAT applications in the upper Nile basin countries. Hydrology and Earth System Sciences, 2012, 16, 3371-3381.	1.9	136
225	Modifying a dynamic global vegetation model for simulating large spatial scale land surface water balances. Hydrology and Earth System Sciences, 2012, 16, 2547-2565.	1.9	6
226	Flow and sediment yield simulations for Bukit Merah Reservoir catchment, Malaysia: a case study. Water Science and Technology, 2012, 66, 2170-2176.	1.2	18
227	Modeling of Yield Losses Caused by Potato Late Blight on Eight Cultivars with Different Levels of Resistance to <i>Phytophthora infestans</i> . Plant Disease, 2012, 96, 935-942.	0.7	16
228	Development and application of a hydroclimatological stream temperature model within the Soil and Water Assessment Tool. Water Resources Research, 2012, 48, .	1.7	89
229	SWAT-based runoff and sediment simulation in a small watershed, the loessial hilly-gullied region of China: capabilities and challenges. International Journal of Sediment Research, 2012, 27, 226-234.	1.8	103
230	Projections of 21st Century Sierra Nevada Local Hydrologic Flow Components Using an Ensemble of General Circulation Models ¹ . Journal of the American Water Resources Association, 2012, 48, 1104-1125.	1.0	30
231	Physically Based, Hydrologic Model Results Based on Three Precipitation Products ¹ . Journal of the American Water Resources Association, 2012, 48, 1191-1203.	1.0	17
232	Local calibration of remotely sensed rainfall from the TRMM satellite for different periods and spatial scales in the Indus Basin. International Journal of Remote Sensing, 2012, 33, 2603-2627.	1.3	163
234	A process-based and distributed model for nutrient dynamics in river basin: Development, testing and applications. Ecological Modelling, 2012, 247, 112-124.	1.2	13
235	Sensitivity of Simulating Hydrologic Processes to Gauge and Radar Rainfall Data in Subtropical Coastal Catchments. Water Resources Management, 2012, 26, 3515-3538.	1.9	17
236	The modified SWAT model for predicting fecal coliforms in the Wachusett Reservoir Watershed, USA. Water Research, 2012, 46, 4750-4760.	5.3	76
237	Modeling of soil erosion and sediment transport in the East River Basin in southern China. Science of the Total Environment, 2012, 441, 159-168.	3.9	69

#	ARTICLE	IF	CITATIONS
238	Annual interception loss estimation with a simple equation. , 2012, , .		0
239	Implementing In-Stream Nutrient Processes in Large-Scale Landscape Modeling for the Impact Assessment on Water Quality. Environmental Modeling and Assessment, 2012, 17, 589-611.	1.2	12
240	Evaluating Causes of Trends in Long-Term Dissolved Reactive Phosphorus Loads to Lake Erie. Environmental Science & Technology, 2012, 46, 10660-10666.	4.6	131
241	Modeling the effects of conservation practices on stream health. Science of the Total Environment, 2012, 435-436, 380-391.	3.9	45
242	Coupled modeling of hydrologic and hydrodynamic processes including overland and channel flow. Advances in Water Resources, 2012, 37, 104-126.	1.7	116
243	Implementing the dual crop coefficient approach in interactive software: 2. Model testing. Agricultural Water Management, 2012, 103, 62-77.	2.4	93
244	APEX simulation of best irrigation and N management strategies for off-site N pollution control in three Mediterranean irrigated watersheds. Agricultural Water Management, 2012, 103, 88-99.	2.4	48
245	Modeling the effects of controlled drainage, N rate and weather on nitrate loss to subsurface drainage. Agricultural Water Management, 2012, 103, 150-161.	2.4	47
246	Assessing the ecosystem services supplied by freshwater flows in Mediterranean agroecosystems. Agricultural Water Management, 2012, 105, 21-31.	2.4	72
247	Using the dual-Kc approach to model evapotranspiration of Albariño vineyards (Vitis vinifera L. cv.) Tj ETQq1 1 0.784314 rgBT /Overlock 64	2.4	64
248	A comparison of methods for the assessment of odor impacts on air quality: Field inspection (VDI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	65
249	Quantitative simulation tools to analyze up- and downstream interactions of soil and water conservation measures: Supporting policy making in the Green Water Credits program of Kenya. Journal of Environmental Management, 2012, 111, 187-194.	3.8	36
250	A model for describing the eutrophication in a heavily regulated coastal lagoon. Application to the Albufera of Valencia (Spain). Journal of Environmental Management, 2012, 112, 340-352.	3.8	22
251	Hydrological impacts of mesquite encroachment in the upper San Pedro watershed. Journal of Arid Environments, 2012, 82, 147-155.	1.2	28
252	Field evaluation of the pedostructure-based model (Kamel®). Computers and Electronics in Agriculture, 2012, 86, 4-14.	3.7	7
253	tRIBS-Erosion: A parsimonious physically-based model for studying catchment hydro-geomorphic response. Catena, 2012, 92, 216-231.	2.2	34
254	Modeling water, carbon, and nitrogen dynamics for two drained pine plantations under intensive management practices. Forest Ecology and Management, 2012, 264, 20-36.	1.4	28
255	Soil water content variability at the hillslope scale: Impact of surface sealing. Water Resources Research, 2012, 48, .	1.7	38

#	ARTICLE	IF	CITATIONS
256	Assessment of future flood hazard in Europe using a large ensemble of bias-corrected regional climate simulations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
257	Tradeoffs among watershed model calibration targets for parameter estimation. <i>Water Resources Research</i> , 2012, 48, .	1.7	24
258	Selection of hydrologic modeling approaches for climate change assessment: A comparison of model scale and structures. <i>Journal of Hydrology</i> , 2012, 464-465, 233-248.	2.3	62
259	Comparison and evaluation of spatial interpolation schemes for daily rainfall in data scarce regions. <i>Journal of Hydrology</i> , 2012, 464-465, 388-400.	2.3	198
260	SWAT application in intensive irrigation systems: Model modification, calibration and validation. <i>Journal of Hydrology</i> , 2012, 470-471, 227-238.	2.3	105
261	Validation of an ANN Flow Prediction Model Using a Multistation Cluster Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 262-271.	0.8	13
263	Linking coral river runoff proxies with climate variability, hydrology and land-use in Madagascar catchments. <i>Marine Pollution Bulletin</i> , 2012, 64, 2047-2059.	2.3	55
264	Improving Model Performance Using Season-Based Evaluation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 191-200.	0.8	39
265	Impact of Climate Change on Streamflow and Soil Moisture in the Vermilion Basin, Illinois. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 1059-1070.	0.8	22
266	Derivation of biophysical variables from Earth observation data: validation and statistical measures. <i>Journal of Applied Remote Sensing</i> , 2012, 6, 063557-1.	0.6	117
267	EVALUATION OF A SIMPLE ANNUAL CANOPY EVAPORATION EQUATION.. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012, 68, I_187-I_192.	0.0	1
268	Water resources trends in Middle East and North Africa towards 2050. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3101-3114.	1.9	154
269	Radiation Model for Row Crops: I. Geometric View Factors and Parameter Optimization. <i>Agronomy Journal</i> , 2012, 104, 225-240.	0.9	41
270	WEPP: Model Use, Calibration, and Validation. <i>Transactions of the ASABE</i> , 2012, 55, 1463-1477.	1.1	47
271	Hydrologic and Water Quality Models: Use, Calibration, and Validation. <i>Transactions of the ASABE</i> , 2012, 55, 1241-1247.	1.1	135
272	Monthly Rainfall Estimation Using Data-Mining Process. <i>Applied Computational Intelligence and Soft Computing</i> , 2012, 2012, 1-6.	1.6	10
273	Use of the swat model for hydro-sedimentologic simulation in a small rural watershed. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 557-565.	0.5	23
274	Implementation of BMP Strategies for Adaptation to Climate Change and Land Use Change in a Pasture-Dominated Watershed. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 3654-3684.	1.2	32

#	ARTICLE	IF	CITATIONS
275	Strengths, Weaknesses, Opportunities and Threats of Catchment Modelling with Soil and Water Assessment Tool (SWAT) Model. , 0, , .		15
276	Classification and flow prediction in a data-scarce watershed of the equatorial Nile region. Hydrology and Earth System Sciences, 2012, 16, 1435-1443.	1.9	11
277	Statistical Behaviour of Load Estimators Based on Routine Monthly Data Series. , 2012, , .		0
278	Modeling runoff with AnnAGNPS model in a small agricultural catchment, in Mediterranean environment. , 2012, , .		0
279	Impacts of climate variability on Soybean and Corn yields in Mississippi Delta. , 2012, , .		0
280	Incorporating Climate Variability for Point-Source Discharge Permitting in a Complex River System. Transactions of the ASABE, 2012, 55, 2213-2228.	1.1	5
281	Evapotranspiration of Partially Vegetated Surfaces. , 2012, , .		2
282	Multimodel evaluation of twenty lumped hydrological models under contrasted climate conditions. Hydrology and Earth System Sciences, 2012, 16, 1171-1189.	1.9	145
283	Baseflow simulation using SWAT model in an inland river basin in Tianshan Mountains, Northwest China. Hydrology and Earth System Sciences, 2012, 16, 1259-1267.	1.9	111
284	Impacts of Deforestation on Climate and Water Resources in Western Amazon. , 0, , .		0
285	Evaluation of Simulated Strategies for Reducing Nitrateâ€“Nitrogen Losses through Subsurface Drainage Systems. Journal of Environmental Quality, 2012, 41, 217-228.	1.0	28
286	Simulating Nitrate-Nitrogen Concentration from a Subsurface Drainage System in Response to Nitrogen Application Rates Using RZWQM2. Journal of Environmental Quality, 2012, 41, 289-295.	1.0	27
287	Modelling of Surface Water Quality by Catchment Model SWAT. , 0, , .		4
288	Integrated hydrological modelling of small- and medium-sized water storages with application to the upper Fengman Reservoir Basin of China. Hydrology and Earth System Sciences, 2012, 16, 4033-4047.	1.9	22
289	Improving runoff estimates from regional climate models: a performance analysis in Spain. Hydrology and Earth System Sciences, 2012, 16, 1709-1723.	1.9	28
290	A comparative analysis of the effectiveness of flood management measures based on the concept of "retaining water in the landscape" in different European hydro-climatic regions. Natural Hazards and Earth System Sciences, 2012, 12, 3287-3306.	1.5	66
291	Watershedâ€“level Comparison of Predictability and Sensitivity of Two Phosphorus Models. Journal of Environmental Quality, 2012, 41, 1642-1652.	1.0	12
292	Sensitivity of APSIM/ORYZA model due to estimation errors in solar radiation. Bragantia, 2012, 71, 572-582.	1.3	47

#	ARTICLE	IF	CITATIONS
293	Using a process-based catchment-scale model for enhancing field-based stream assessments and predicting stream fish assemblages. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 511-525.	0.9	7
294	Impact of water stress on citrus yield. <i>Agronomy for Sustainable Development</i> , 2012, 32, 651-659.	2.2	41
295	Evaluating the effects of upstream lakes and wetlands on lake phosphorus concentrations using a spatially-explicit model. <i>Landscape Ecology</i> , 2012, 27, 1015-1030.	1.9	20
296	In-field hyperspectral proximal sensing for estimating quality parameters of mixed pasture. <i>Precision Agriculture</i> , 2012, 13, 351-369.	3.1	94
297	Scenario-based Impact Assessment of Land Use/Cover and Climate Changes on Water Resources and Demand: A Case Study in the Srepok River Basin, Vietnam-Cambodia. <i>Water Resources Management</i> , 2012, 26, 1387-1407.	1.9	63
298	Assessments of Impacts of Climate Change and Human Activities on Runoff with SWAT for the Huifa River Basin, Northeast China. <i>Water Resources Management</i> , 2012, 26, 2199-2217.	1.9	198
299	A Hydrologic Model of Kemptville Basin-Calibration and Extended Validation. <i>Water Resources Management</i> , 2012, 26, 2583-2604.	1.9	7
300	Soil water content on drip irrigated cotton: comparison of measured and simulated values obtained with the Hydrus 2-D model. <i>Irrigation Science</i> , 2012, 30, 259-273.	1.3	54
301	Impact of climate change on groundwater recharge in a small catchment in the Black Forest, Germany. <i>Hydrogeology Journal</i> , 2012, 20, 547-560.	0.9	37
302	Sensitivity Analysis of Best Management Practices Under Climate Change Scenarios ¹ . <i>Journal of the American Water Resources Association</i> , 2012, 48, 90-112.	1.0	40
303	Validation of Satellite Precipitation Adjustment Methodology From Seven Basins in the Continental United States ¹ . <i>Journal of the American Water Resources Association</i> , 2012, 48, 221-234.	1.0	6
304	Uncertainty in climate change impacts on streamflow in a <i>B</i> <i>R</i> <i>iver</i> <i>C</i> <i>atchment</i> , <i>V</i> <i>ietnam</i> . <i>Water and Environment Journal</i> , 2012, 26, 530-539.	1.0	20
305	A dynamic contaminant fate model of organic compound: A case study of Nitrobenzene pollution in Songhua River, China. <i>Chemosphere</i> , 2012, 88, 69-76.	4.2	47
306	Modeling sand-mud transport induced by tidal currents and wind waves in shallow microtidal basins: Application to the Venice Lagoon (Italy). <i>Estuarine, Coastal and Shelf Science</i> , 2012, 102-103, 105-115.	0.9	96
307	Identifying potential areas for biofuel production and evaluating the environmental effects: a case study of the <i>J</i> <i>ames</i> <i>R</i> <i>iver</i> <i>B</i> <i>asin</i> in the <i>M</i> <i>idwestern</i> <i>U</i> <i>nited</i> <i>S</i> <i>tates</i> . <i>GCB Bioenergy</i> , 2012, 4, 875-888.	2.5	49
308	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. <i>Science of the Total Environment</i> , 2012, 430, 150-160.	3.9	74
309	Simulation and prediction of phenolic compounds fate in Songhua River, China. <i>Science of the Total Environment</i> , 2012, 431, 366-374.	3.9	29
310	The effects of grass hedges and micro-basins on reducing soil and water loss in temperate regions: A case study of Northern China. <i>Soil and Tillage Research</i> , 2012, 122, 22-35.	2.6	22

#	ARTICLE	IF	CITATIONS
311	Modeling the groundwater fluctuation in Sphagnum mire in northern Hokkaido, Japan. <i>Procedia Environmental Sciences</i> , 2012, 13, 606-620.	1.3	2
312	Sustainable environmental flow management based on lake quality protection: The case of Baiyangdian Lake, China. <i>Procedia Environmental Sciences</i> , 2012, 13, 730-741.	1.3	4
313	Effects of climate change and human activities on inflow into the Hoabinh Reservoir in the Red River basin. <i>Procedia Environmental Sciences</i> , 2012, 13, 1688-1698.	1.3	24
314	Evaluation of targeting methods for implementation of best management practices in the Saginaw River Watershed. <i>Journal of Environmental Management</i> , 2012, 103, 24-40.	3.8	108
315	Water quality targets and maintenance of valued landscape character " Experience in the Axe catchment, UK. <i>Journal of Environmental Management</i> , 2012, 103, 142-153.	3.8	24
316	Using precipitation data ensemble for uncertainty analysis in SWAT streamflow simulation. <i>Journal of Hydrology</i> , 2012, 414-415, 413-424.	2.3	154
317	Implementation of surface soil moisture data assimilation with watershed scale distributed hydrological model. <i>Journal of Hydrology</i> , 2012, 416-417, 98-117.	2.3	92
318	A review of efficiency criteria suitable for evaluating low-flow simulations. <i>Journal of Hydrology</i> , 2012, 420-421, 171-182.	2.3	234
319	Hydrologic effect of groundwater development in a small mountainous tropical watershed. <i>Journal of Hydrology</i> , 2012, 428-429, 51-67.	2.3	8
320	Comparison and evaluation of multiple GCMs, statistical downscaling and hydrological models in the study of climate change impacts on runoff. <i>Journal of Hydrology</i> , 2012, 434-435, 36-45.	2.3	261
321	Modeling the impacts of integrated small watershed management on soil erosion and sediment delivery: A case study in the Three Gorges Area, China. <i>Journal of Hydrology</i> , 2012, 438-439, 156-167.	2.3	94
322	Impact of suspended sediment and nutrient loading from land uses against water quality in the Hii River basin, Japan. <i>Journal of Hydrology</i> , 2012, 450-451, 25-35.	2.3	68
323	A watershed rainfall data recovery approach with application to distributed hydrological models. <i>Hydrological Processes</i> , 2012, 26, 1937-1948.	1.1	7
324	Effects of spatial aggregation of soil spatial information on watershed hydrological modelling. <i>Hydrological Processes</i> , 2012, 26, 1390-1404.	1.1	17
325	Simulated watershed scale impacts of corn stover removal for biofuel on hydrology and water quality. <i>Hydrological Processes</i> , 2012, 26, 1629-1641.	1.1	65
326	Impact of climate change on streamflow in the arid Shiyang River Basin of northwest China. <i>Hydrological Processes</i> , 2012, 26, 2733-2744.	1.1	61
327	Late 20th century trends in Iowa watersheds: an investigation of observed and modelled hydrologic storages and fluxes in heavily managed landscapes. <i>International Journal of Climatology</i> , 2012, 32, 1373-1391.	1.5	13
328	Integrating hydrologic modeling and land use projections for evaluation of hydrologic response and regional water supply impacts in semi-arid environments. <i>Environmental Earth Sciences</i> , 2012, 65, 1671-1685.	1.3	38

#	ARTICLE	IF	CITATIONS
329	The dual crop coefficient approach using a density factor to simulate the evapotranspiration of a peach orchard: SIMDualKc model versus eddy covariance measurements. <i>Irrigation Science</i> , 2012, 30, 115-126.	1.3	79
330	Hydrological effects of the increased CO ₂ and climate change in the Upper Mississippi River Basin using a modified SWAT. <i>Climatic Change</i> , 2012, 110, 977-1003.	1.7	124
331	Response of non-point source pollutant loads to climate change in the Shitoukoumen reservoir catchment. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 581-594.	1.3	30
332	Application of the soil and water assessment tool model on the Lower Porsuk Stream Watershed. <i>Hydrological Processes</i> , 2013, 27, 453-466.	1.1	23
333	Using large-scale climatic patterns for improving long lead time streamflow forecasts for Gunnison and San Juan River Basins. <i>Hydrological Processes</i> , 2013, 27, 1543-1559.	1.1	81
334	Temporal analysis of Soil and Water Assessment Tool (SWAT) performance based on remotely sensed precipitation products. <i>Hydrological Processes</i> , 2013, 27, 505-514.	1.1	16
335	Multi-site evaluation of hydrology component of SWAT in the coastal plain of southwest Georgia. <i>Hydrological Processes</i> , 2013, 27, 1691-1700.	1.1	24
336	Quantifying watershed surface depression storage: determination and application in a hydrologic model. <i>Hydrological Processes</i> , 2013, 27, 2401-2413.	1.1	36
337	Simulated runoff responses to land use in the middle and upstream reaches of Taoerhe River basin, Northeast China, in wet, average and dry years. <i>Hydrological Processes</i> , 2013, 27, 3484-3494.	1.1	15
338	Watershed modelling of hydrology and water quality in the Sacramento River watershed, California. <i>Hydrological Processes</i> , 2013, 27, 236-250.	1.1	46
339	Assessment of Future Climate Change Impacts on Water Resources of Upper Sind River Basin, India Using SWAT Model. <i>Water Resources Management</i> , 2013, 27, 3647-3662.	1.9	146
340	A quantitative approach to evaluating ecosystem services. <i>Ecological Modelling</i> , 2013, 257, 57-65.	1.2	108
341	A Physically Based Runoff Routing Model for Land Surface and Earth System Models. <i>Journal of Hydrometeorology</i> , 2013, 14, 808-828.	0.7	187
342	Developing an Agricultural Planning Model in a Watershed Considering Climate Change Impacts. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2013, 139, 349-363.	1.3	22
343	The streamflow trend in Tangwang River basin in northeast China and its difference response to climate and land use change in sub-basins. <i>Environmental Earth Sciences</i> , 2013, 69, 51-62.	1.3	29
344	Understanding the impact of mountain landscapes on water balance in the upper Heihe River watershed in northwestern China. <i>Journal of Arid Land</i> , 2013, 5, 366-383.	0.9	24
345	Performance evaluation of merged satellite rainfall products based on spatial and seasonal signatures of hydrologic predictability. <i>Atmospheric Research</i> , 2013, 132-133, 223-238.	1.8	12
346	Modelling potential impacts of climate change on water and nitrate export from a mid-sized, semiarid watershed in the US Southwest. <i>Climatic Change</i> , 2013, 120, 419-431.	1.7	57

#	ARTICLE	IF	CITATIONS
347	Effect of climate change and increased atmospheric CO ₂ on hydrological and nitrogen cycling in an intensive agricultural headwater catchment in western France. <i>Climatic Change</i> , 2013, 120, 433-447.	1.7	21
348	Performance evaluation of hydrological models: Statistical significance for reducing subjectivity in goodness-of-fit assessments. <i>Journal of Hydrology</i> , 2013, 480, 33-45.	2.3	648
349	Linking Biological Integrity and Watershed Models to Assess the Impacts of Historical Land Use and Climate Changes on Stream Health. <i>Environmental Management</i> , 2013, 51, 1147-1163.	1.2	34
350	The dual crop coefficient approach to estimate and partitioning evapotranspiration of the winter wheat–summer maize crop sequence in North China Plain. <i>Irrigation Science</i> , 2013, 31, 1303-1316.	1.3	118
351	An improved solution for the infiltration advance problem in irrigation hydraulics. <i>Irrigation Science</i> , 2013, 31, 1113-1123.	1.3	3
352	Surface energy balance model of transpiration from variable canopy cover and evaporation from residue-covered or bare soil systems: model evaluation. <i>Irrigation Science</i> , 2013, 31, 135-150.	1.3	24
353	The impact of forest to urban land conversion on streamflow, total nitrogen, total phosphorus, and total organic carbon inputs to the converse reservoir, Southern Alabama, USA. <i>Urban Ecosystems</i> , 2013, 16, 79-107.	1.1	17
354	Hydrologic Modeling for Flood Frequency Prediction in Several Data-Limited River Basins in the Balkans. , 2013, , .		2
355	Spatial and Temporal Variabilities of Sediment Delivery Ratio. <i>Water Resources Management</i> , 2013, 27, 2483-2499.	1.9	25
356	Statistical and hydrological evaluation of TRMM-based Multi-satellite Precipitation Analysis over the Wangchu Basin of Bhutan: Are the latest satellite precipitation products 3B42V7 ready for use in ungauged basins?. <i>Journal of Hydrology</i> , 2013, 499, 91-99.	2.3	291
357	Estimating hydrologic alteration from basin characteristics in Massachusetts. <i>Journal of Hydrology</i> , 2013, 503, 196-208.	2.3	34
358	The Impact of El Niño/Southern Oscillation on Hydrology and Rice Productivity in the Cauvery Basin, India: Application of the Soil and Water Assessment Tool. <i>Weather and Climate Extremes</i> , 2013, 2, 39-47.	1.6	34
359	Targeting of intervention areas to reduce reservoir sedimentation in the Tana catchment (Kenya) using SWAT. <i>Hydrological Sciences Journal</i> , 2013, 58, 600-614.	1.2	48
360	Modeling the effects of agricultural BMPs on sediments, nutrients, and water quality of the Beauvillage River watershed (Quebec, Canada). <i>Canadian Water Resources Journal</i> , 2013, 38, 99-120.	0.5	39
361	Comparison of extreme weather events and streamflow from drought indices and a hydrological model in River Malaba, Eastern Uganda. <i>International Journal of Environmental Studies</i> , 2013, 70, 940-951.	0.7	19
362	Streamflow Responses to Climate Change: Analysis of Hydrologic Indicators in a New York City Water Supply Watershed. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1308-1326.	1.0	35
363	SWAT plant growth modification for improved modeling of perennial vegetation in the tropics. <i>Ecological Modelling</i> , 2013, 269, 98-112.	1.2	104
364	A comprehensive study of the effect of GIS data on hydrology and non-point source pollution modeling. <i>Agricultural Water Management</i> , 2013, 118, 93-102.	2.4	47

#	ARTICLE	IF	CITATIONS
365	Experimental study of the water depth and rainfall intensity effects on the bed roughness coefficient used in distributed urban drainage models. <i>Journal of Hydrology</i> , 2013, 505, 266-275.	2.3	26
366	Estimating the daily global solar radiation spatial distribution from diurnal temperature ranges over the Tibetan Plateau in China. <i>Applied Energy</i> , 2013, 107, 384-393.	5.1	80
367	Predicting thermal reference conditions for USA streams and rivers. <i>Freshwater Science</i> , 2013, 32, 39-55.	0.9	49
368	Evaluating the impact of field-scale management strategies on sediment transport to the watershed outlet. <i>Journal of Environmental Management</i> , 2013, 128, 735-748.	3.8	16
369	Modeling impacts of fertilization alternatives on nitrous oxide and nitric oxide emissions from conventional vegetable fields in southeastern China. <i>Atmospheric Environment</i> , 2013, 81, 642-650.	1.9	33
370	Spatial variability analysis of reference evapotranspiration in Iran utilizing fine resolution gridded datasets. <i>Agricultural Water Management</i> , 2013, 126, 104-118.	2.4	44
371	Time series modeling and prediction of salinity in the Caloosahatchee River Estuary. <i>Water Resources Research</i> , 2013, 49, 5804-5816.	1.7	36
372	Application of a SWAT Model for Hydrological Modeling in the Xixian Watershed, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1522-1529.	0.8	26
373	Assessing the effects of water table depth on water use, soil salinity and wheat yield: Searching for a target depth for irrigated areas in the upper Yellow River basin. <i>Agricultural Water Management</i> , 2013, 125, 46-60.	2.4	140
374	Assessment of climate change impacts on hydrology and water quality with a watershed modeling approach. <i>Science of the Total Environment</i> , 2013, 450-451, 72-82.	3.9	102
375	Flood generation and classification of a semi-arid intermittent flow watershed: Evrotas river. <i>International Journal of River Basin Management</i> , 2013, 11, 77-92.	1.5	24
376	Prospects for flash flood forecasting in mountainous regions – An investigation of Tropical Storm Fay in the Southern Appalachians. <i>Journal of Hydrology</i> , 2013, 506, 69-89.	2.3	37
377	A comparison between model and experimental hydraulic performances in a pilot-scale horizontal subsurface flow constructed wetland. <i>Ecological Engineering</i> , 2013, 60, 45-49.	1.6	31
378	Modelling phytoplankton succession and nutrient transfer along the Scheldt estuary (Belgium, The) Tj ETQq1 1 0.784314 rgBT/Overl	0.9	20
379	Sensitivity analysis and calibration of the Modified Universal Soil Loss Equation (MUSLE) for the upper Malewa Catchment, Kenya. <i>International Journal of Sediment Research</i> , 2013, 28, 368-383.	1.8	31
380	Modifying the Soil and Water Assessment Tool to simulate cropland carbon flux: Model development and initial evaluation. <i>Science of the Total Environment</i> , 2013, 463-464, 810-822.	3.9	64
381	Slope Effects on SWAT Modeling in a Mountainous Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1663-1673.	0.8	16
382	A high resolution application of a stormwater management model (SWMM) using genetic parameter optimization. <i>Urban Water Journal</i> , 2013, 10, 394-410.	1.0	100

#	ARTICLE	IF	CITATIONS
383	Assessment of the SWAT model prediction uncertainty using the GLUE approach A case study of the Chiba catchment (Tunisia). , 2013, , .		0
384	Efficient multi-objective calibration of a computationally intensive hydrologic model with parallel computing software in Python. Environmental Modelling and Software, 2013, 46, 208-218.	1.9	78
385	Reference evapotranspiration estimate with limited weather data across a range of Mediterranean climates. Journal of Hydrology, 2013, 481, 166-176.	2.3	142
386	Toward computationally efficient large-scale hydrologic predictions with a multiscale regionalization scheme. Water Resources Research, 2013, 49, 5700-5714.	1.7	81
387	Forecasting Drought Using the Agricultural Reference Index for Drought (ARID): A Case Study. Weather and Forecasting, 2013, 28, 427-443.	0.5	23
388	Simulating variably-saturated reactive transport of selenium and nitrogen in agricultural groundwater systems. Journal of Contaminant Hydrology, 2013, 149, 27-45.	1.6	24
389	Using Paleo Reconstructions to Improve Streamflow Forecast Lead Time in the Western United States. Journal of the American Water Resources Association, 2013, 49, 1351-1366.	1.0	55
390	Modeling of Pathogen Indicator Organisms in a Small-Scale Agricultural Catchment Using SWAT. Human and Ecological Risk Assessment (HERA), 2013, 19, 232-253.	1.7	52
391	Temporal and spatial variation of the main water balance components in the three rivers source region, China from 1960 to 2000. Environmental Earth Sciences, 2013, 68, 973-983.	1.3	33
392	Water quantity and quality simulation by improved SWAT in highly regulated Huai River Basin of China. Stochastic Environmental Research and Risk Assessment, 2013, 27, 11-27.	1.9	67
393	Effects of projected climate change on the hydrology in the Mono Lake Basin, California. Climatic Change, 2013, 116, 111-131.	1.7	60
394	Scenario Assessment of Streamflow Simulation and its Transition Probability in Future Periods Under Climate Change. Water Resources Management, 2013, 27, 255-274.	1.9	68
395	Streamflow Modeling in a Highly Managed Mountainous Glacier Watershed Using SWAT: The Upper Rhone River Watershed Case in Switzerland. Water Resources Management, 2013, 27, 323-339.	1.9	132
396	Sediment Transport in the Koiliaris River of Crete. Procedia Technology, 2013, 8, 315-323.	1.1	3
397	Evaluation of statistical models for predicting Escherichia coli particle attachment in fluvial systems. Water Research, 2013, 47, 6701-6711.	5.3	12
398	A band-ratio algorithm for retrieving open-lake chlorophyll values from satellite observations of the Great Lakes. Journal of Great Lakes Research, 2013, 39, 138-152.	0.8	55
399	Impacts of increased CO2 on the hydrologic response over the Xijiang (West River) basin, South China. Journal of Hydrology, 2013, 505, 218-227.	2.3	23
400	A spatial multi-criteria planning scheme for evaluating riparian buffer restoration priorities. Ecological Engineering, 2013, 54, 155-164.	1.6	20

#	ARTICLE	IF	CITATIONS
401	The impact of Best Management Practices on simulated streamflow and sediment load in a Central Brazilian catchment. <i>Journal of Environmental Management</i> , 2013, 127, S24-S36.	3.8	101
402	From hydrodynamic to hydrological modelling: Investigating long-term hydrological regimes of key wetlands in the Macquarie Marshes, a semi-arid lowland floodplain in Australia. <i>Journal of Hydrology</i> , 2013, 500, 45-61.	2.3	55
403	A model-independent Particle Swarm Optimisation software for model calibration. <i>Environmental Modelling and Software</i> , 2013, 43, 5-25.	1.9	119
404	Assessing N emissions in surface water at the national level: Comparison of country-wide vs. regionalized models. <i>Science of the Total Environment</i> , 2013, 443, 152-162.	3.9	36
405	Numerical assisted assessment of vadose-zone nitrogen transport under a soil moisture controlled wastewater SDI dispersal system in a Vertisol. <i>Ecological Engineering</i> , 2013, 53, 228-234.	1.6	9
406	Evaluation and fitting of models for determining peach phenological stages at a regional scale. <i>Agricultural and Forest Meteorology</i> , 2013, 178-179, 129-139.	1.9	34
407	Identifying critical source areas of nonpoint source pollution with SWAT and GWLF. <i>Ecological Modelling</i> , 2013, 268, 123-133.	1.2	144
408	Modeling runoff and soil erosion in the Three-Gorge Reservoir drainage area of China using limited plot data. <i>Journal of Hydrology</i> , 2013, 492, 163-175.	2.3	16
409	Finding options to improve catchment water quality – Lessons learned from historical land use situations in a Mediterranean catchment in Slovenia. <i>Ecological Modelling</i> , 2013, 261-262, 58-73.	1.2	18
410	The distributed model intercomparison project – Phase 2: Experiment design and summary results of the western basin experiments. <i>Journal of Hydrology</i> , 2013, 507, 300-329.	2.3	38
411	Effectiveness of low impact development practices in two urbanized watersheds: Retrofitting with rain barrel/cistern and porous pavement. <i>Journal of Environmental Management</i> , 2013, 119, 151-161.	3.8	173
412	Comparison of several approaches representing terrestrial and in-stream nutrient retention and decomposition in watershed modelling. <i>Ecological Modelling</i> , 2013, 269, 70-85.	1.2	11
413	Partial least-squares regression for linking land-cover patterns to soil erosion and sediment yield in watersheds. <i>Journal of Hydrology</i> , 2013, 498, 165-176.	2.3	198
414	OpenMI-based integrated sediment transport modelling of the river Zenne, Belgium. <i>Environmental Modelling and Software</i> , 2013, 47, 193-206.	1.9	57
415	Estimation of ETo with Hargreaves – Samani and FAO-PM temperature methods for a wide range of climates in Iran. <i>Agricultural Water Management</i> , 2013, 121, 1-18.	2.4	156
416	Simulating the fate of nitrogen and optimizing water and nitrogen management of greenhouse tomato in North China using the EU-Rotate_N model. <i>Agricultural Water Management</i> , 2013, 128, 72-84.	2.4	77
417	Using SWAT, Bacteroidales microbial source tracking markers, and fecal indicator bacteria to predict waterborne pathogen occurrence in an agricultural watershed. <i>Water Research</i> , 2013, 47, 6326-6337.	5.3	38
418	Simulating stream health sensitivity to landscape changes due to bioenergy crops expansion. <i>Biomass and Bioenergy</i> , 2013, 58, 198-209.	2.9	21

#	ARTICLE	IF	CITATIONS
419	Assessing the impacts of crop-rotation and tillage on crop yields and sediment yield using a modeling approach. <i>Agricultural Water Management</i> , 2013, 119, 32-42.	2.4	58
420	The contrasted response of ash to wetting. <i>Geoderma</i> , 2013, 209-210, 143-152.	2.3	37
421	Dual crop coefficients for maize in southern Brazil: Model testing for sprinkler and drip irrigation and mulched soil. <i>Biosystems Engineering</i> , 2013, 115, 291-310.	1.9	60
422	Laboratory and numerical investigations of hillslope soil saturation development and runoff generation over rainfall events. <i>Journal of Hydrology</i> , 2013, 493, 1-15.	2.3	13
423	Predicting rapid herbicide leaching to surface waters from an artificially drained headwater catchment using a one dimensional two-domain model coupled with a simple groundwater model. <i>Journal of Contaminant Hydrology</i> , 2013, 145, 67-81.	1.6	13
424	A decision support model for traffic congestion in protected areas: A case study of Shiretoko National Park. <i>Tourism Management Perspectives</i> , 2013, 8, 18-27.	3.2	9
425	Evaluation of SWAT sub-daily runoff estimation at small agricultural watershed in Korea. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 109-119.	3.3	40
426	Linking landscape variables to cold water refugia in rivers. <i>Journal of Environmental Management</i> , 2013, 118, 170-176.	3.8	44
427	The effect of fertilizer best management practices on nitrate leaching in a plastic mulched ridge cultivation system. <i>Agriculture, Ecosystems and Environment</i> , 2013, 169, 21-32.	2.5	69
428	Modeling water balance and effects of different subsurface drainage methods on water outflow components in a clayey agricultural field in boreal conditions. <i>Agricultural Water Management</i> , 2013, 121, 135-148.	2.4	38
429	Effects of Land-Use and Climate Change on Hydrological Processes in the Upstream of Huai River, China. <i>Water Resources Management</i> , 2013, 27, 1263-1278.	1.9	94
430	Impacts of land use change on watershed streamflow and sediment yield: An assessment using hydrologic modelling and partial least squares regression. <i>Journal of Hydrology</i> , 2013, 484, 26-37.	2.3	256
431	Behavior of sandy slopes remediated by EPS-block geofom under seepage flow. <i>Geotextiles and Geomembranes</i> , 2013, 37, 81-98.	2.3	32
432	Climate Change Would Increase the Water Intensity of Irrigated Corn Ethanol. <i>Environmental Science & Technology</i> , 2013, 47, 6030-6037.	4.6	26
433	Evaluating multiple performance criteria to calibrate the distributed hydrological model of the upper Neckar catchment. <i>Environmental Earth Sciences</i> , 2013, 69, 453-468.	1.3	49
434	Development of Community Water Deficit Index: Drought-Forecasting Tool for Small- to Mid-Size Communities of the Southeastern United States. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 846-858.	0.8	7
435	Analyzing the Water Budget and Hydrological Characteristics and Responses to Land Use in a Monsoonal Climate River Basin in South China. <i>Environmental Management</i> , 2013, 51, 1174-1186.	1.2	25
436	Evaluation of water movement and nitrate dynamics in a lysimeter planted with an orange tree. <i>Agricultural Water Management</i> , 2013, 127, 74-84.	2.4	61

#	ARTICLE	IF	CITATIONS
437	Procedural knowledge for integrated modelling: Towards the Modelling Playground. <i>Environmental Modelling and Software</i> , 2013, 39, 135-148.	1.9	26
438	Characterising performance of environmental models. <i>Environmental Modelling and Software</i> , 2013, 40, 1-20.	1.9	1,141
439	Assessing impacts of bioenergy crops and climate change on hydrometeorology in the Yazoo River Basin, Mississippi. <i>Agricultural and Forest Meteorology</i> , 2013, 169, 61-73.	1.9	34
440	Modeling water flow in a plastic mulched ridge cultivation system on hillslopes affected by South Korean summer monsoon. <i>Agricultural Water Management</i> , 2013, 116, 204-217.	2.4	28
441	Dual crop coefficient modelling applied to the winter wheat–summer maize crop sequence in North China Plain: Basal crop coefficients and soil evaporation component. <i>Agricultural Water Management</i> , 2013, 117, 93-105.	2.4	106
442	Estimation of annual baseflow at ungauged sites in Indiana USA. <i>Journal of Hydrology</i> , 2013, 476, 13-27.	2.3	75
443	Inclusion of glacier processes for distributed hydrological modeling at basin scale with application to a watershed in Tianshan Mountains, northwest China. <i>Journal of Hydrology</i> , 2013, 477, 72-85.	2.3	108
444	Hydrologic and geochemical modeling of a karstic Mediterranean watershed. <i>Journal of Hydrology</i> , 2013, 477, 129-138.	2.3	63
445	Application of a hydrological-hydraulic modelling cascade in lowlands for investigating water and sediment fluxes in catchment, channel and reach. <i>Journal of Hydrology and Hydromechanics</i> , 2013, 61, 334-346.	0.7	28
446	Evaluating the capabilities of watershed-scale models in estimating sediment yield at field-scale. <i>Journal of Environmental Management</i> , 2013, 127, 228-236.	3.8	24
447	Modeling interannual variability of seasonal evaporation and storage change based on the extended Budyko framework. <i>Water Resources Research</i> , 2013, 49, 6067-6078.	1.7	138
448	Assessment of the utility of dynamically-downscaled regional reanalysis data to predict streamflow in west central Florida using an integrated hydrologic model. <i>Regional Environmental Change</i> , 2013, 13, 69-80.	1.4	24
449	Land use change in a 200-year period and its effect on blue and green water flow in two Slovenian Mediterranean catchments—lessons for the future. <i>Hydrological Processes</i> , 2013, 27, 3964-3980.	1.1	46
450	Using a Gridded Global Dataset to Characterize Regional Hydroclimate in Central Chile. <i>Journal of Hydrometeorology</i> , 2013, 14, 251-265.	0.7	21
451	Effects of climate change on stream temperature, dissolved oxygen, and sediment concentration in the Sierra Nevada in California. <i>Water Resources Research</i> , 2013, 49, 2765-2782.	1.7	129
452	Inferring Statistically Significant Hidden Markov Models. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013, 25, 1548-1558.	4.0	21
453	Hydrologic Effects of Size and Location of Fields Converted from Drained Pine Forest to Agricultural Cropland. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 552-566.	0.8	11
454	Estimating the Public Water Supply Protection Value of Forests. <i>Journal of Contemporary Water Research and Education</i> , 2013, 152, 94-104.	0.7	5

#	ARTICLE	IF	CITATIONS
455	The effect of reforestation on stream flow in Upper Nan river basin using Soil and Water Assessment Tool (SWAT) model. International Soil and Water Conservation Research, 2013, 1, 53-63.	3.0	30
456	Optimal Location of Watershed Best Management Practices for Sediment Yield Reduction and Cost. , 2013, , .		1
457	The Impact of US Biofuels Policy on Agricultural Production and Nitrogen Loads in Alabama. Economics Research International, 2013, 2013, 1-16.	0.5	4
458	SWAT-Based Streamflow Estimation and Its Responses to Climate Change in the Kadongjia River Watershed, Southern Tibet. Journal of Hydrometeorology, 2013, 14, 1571-1586.	0.7	14
459	Paying for sediment: Field-scale conservation practice targeting, funding, and assessment using the Soil and Water Assessment Tool. Journal of Soils and Water Conservation, 2013, 68, 41-51.	0.8	17
460	EMD-KNN Model for Annual Average Rainfall Forecasting. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1450-1457.	0.8	22
463	Study on Green Water Management in a Typical Watershed in Water Resource Area of the Mid-Route of South-to-North Water Transfer. Advanced Materials Research, 0, 864-867, 2240-2248.	0.3	4
464	Assessing ways to combat eutrophication in a Chinese drinking water reservoir using SWAT. Marine and Freshwater Research, 2013, 64, 475.	0.7	33
465	Simulating sediment loading into the major reservoirs in Trinity River Basin. Journal of Soils and Water Conservation, 2013, 68, 372-383.	0.8	5
466	Low-Flow Variations in Source Water Supply for the Occoquan Reservoir System Based on a 100-Year Climate Forecast. Journal of Hydrologic Engineering - ASCE, 2013, 18, 787-796.	0.8	5
467	Comparison of real evapotranspiration measured by weighing lysimeters with simulations based on the Penman formula and a crop growth model. Journal of Hydrology and Hydromechanics, 2013, 61, 161-172.	0.7	20
468	Integrating Logistical and Technical Criteria into a Multiteam, Competitive Watershed Model Ranking Procedure. Journal of Hydrologic Engineering - ASCE, 2013, 18, 641-654.	0.8	10
469	Responses of natural runoff to recent climatic variations in the Yellow River basin, China. Hydrology and Earth System Sciences, 2013, 17, 4471-4480.	1.9	75
470	Uncertainty in flow and water quality measurement data: A case study in the Daning River watershed in the Three Gorges Reservoir region, China. Desalination and Water Treatment, 2013, 51, 3995-4001.	1.0	3
471	Multimodel, Multiple Watershed Examination of In-Stream Bacteria Modeling. Journal of Environmental Engineering, ASCE, 2013, 139, 719-727.	0.7	9
472	Applicability of the LASH Model for Hydrological Simulation of the Grande River Basin, Brazil. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1639-1652.	0.8	29
473	Testing a Conceptual Lumped Model in Karst Area, Southwest China. Journal of Applied Mathematics, 2013, 2013, 1-10.	0.4	9
474	Modelling catchment inflows into Lake Victoria: regionalisation of the parameters of a conceptual water balance model. Hydrology Research, 2013, 44, 789-808.	1.1	25

#	ARTICLE	IF	CITATIONS
475	Low-Flow Runoff Prediction Using the Grey Self-Memory Model. <i>Advanced Materials Research</i> , 0, 726-731, 3272-3278.	0.3	1
476	Numerical Modeling and Simulation of Pressure Wave in Combination Electronic Unit Pump High Pressure Pipeline. <i>Advanced Materials Research</i> , 2013, 805-806, 1823-1826.	0.3	1
477	Estimating Watershed-Scale Precipitation by Combining Gauge- and Radar-Derived Observations. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 983-994.	0.8	11
478	Using Multiple Watershed Models to Predict Water, Nitrogen, and Phosphorus Discharges to the Patuxent Estuary. <i>Journal of the American Water Resources Association</i> , 2013, 49, 15-39.	1.0	21
479	The Impact of Asynchronicity on Eventâ€šFlow Estimation in Basinâ€šScale Hydrologic Model Calibration. <i>Journal of the American Water Resources Association</i> , 2013, 49, 300-318.	1.0	2
480	Managing water utility financial risks through thirdâ€šparty index insurance contracts. <i>Water Resources Research</i> , 2013, 49, 4939-4951.	1.7	50
481	Cropland management versus dredging: An economic analysis of reservoir sediment management. <i>Lake and Reservoir Management</i> , 2013, 29, 151-164.	0.4	15
482	Modeling water quality in reservoirs used for angling competition: Can groundbait contribute to eutrophication?. <i>Lake and Reservoir Management</i> , 2013, 29, 257-269.	0.4	13
483	Impact of sea level rise on tide gate function. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 453-463.	0.9	11
484	Numerical Study on Temporal Domain Discretizing for Hydrogeological Modeling Practices. <i>Mathematical Modelling in Civil Engineering</i> , 2013, 9, 27-41.	0.1	0
485	Projecting the land cover change and its environmental impacts in the Cedar River Basin in the Midwestern United States. <i>Environmental Research Letters</i> , 2013, 8, 024025.	2.2	44
487	ASSESSMENT OF CLIMATE CHANGE IMPACTS ON HYDROLOGY AND SEDIMENT YIELD IN THE BE RIVER CATCHMENT, VIETNAM. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2013, 69, 1_31-1_36.	0.0	1
488	Deriving Hourly Evapotranspiration Rates with SEBS: A Lysimetric Evaluation. <i>Vadose Zone Journal</i> , 2013, 12, 1-11.	1.3	20
489	The shallow thermal regime of Devils Hole, Death Valley National Park. <i>Limnology & Oceanography Fluids & Environments</i> , 2013, 3, 119-138.	1.7	13
490	Statistical modeling of daily and subdaily stream temperatures: Application to the Methow River Basin, Washington. <i>Water Resources Research</i> , 2013, 49, 4346-4361.	1.7	19
491	Application of HEC-HMS programme for the reconstruction of a flood event in an uncontrolled basin / Zastosowanie programu HEC-HMS do odtworzenia wezbrania powodziowego w zlewni niekontrolowanej. <i>Journal of Water and Land Development</i> , 2013, 18, 13-20.	0.9	24
492	Analysis of large scale climate data. , 2013, , .		2
493	Regression Modeling of Baseflow and Baseflow Index for Michigan USA. <i>Water (Switzerland)</i> , 2013, 5, 1797-1815.	1.2	26

#	ARTICLE	IF	CITATIONS
494	Análise de sensibilidade dos parâmetros do modelo SWAT e simulação dos processos hidrossedimentológicos em uma bacia no agreste nordestino. Revista Brasileira De Ciencia Do Solo, 2013, 37, 1091-1102.	0.5	25
495	Using the Storm Water Management Model to predict urban headwater stream hydrological response to climate and land cover change. Hydrology and Earth System Sciences, 2013, 17, 4743-4758.	1.9	40
496	Watershed-Scale Hydrological Modeling Methods and Applications. , 2013, , .		3
497	Evaluation of the Hooghoudt and Kirkham Tile Drain Equations in the Soil and Water Assessment Tool to Simulate Tile Flow and Nitrate-Nitrogen. Journal of Environmental Quality, 2013, 42, 1699-1710.	1.0	31
498	Climate change impacts on maritime mountain snowpack in the Oregon Cascades. Hydrology and Earth System Sciences, 2013, 17, 2581-2597.	1.9	64
499	Agricultural Policy Environmental eXtender Simulation of Three Adjacent Row-Crop Watersheds in the Claypan Region. Journal of Environmental Quality, 2013, 42, 726-736.	1.0	28
500	Sensitivity and Uncertainty Analysis for the Annual Phosphorus Loss Estimator Model. Journal of Environmental Quality, 2013, 42, 1109-1118.	1.0	26
501	Simulação hidrológica em uma bacia hidrográfica representativa dos Latossolos na região Alto Rio Grande, MG. Revista Brasileira De Engenharia Agrícola E Ambiental, 2013, 17, 69-76.	0.4	46
502	Using the nonlinear aquifer storage-discharge relationship to simulate the base flow of glacier- and snowmelt-dominated basins in northwest China. Hydrology and Earth System Sciences, 2013, 17, 3577-3586.	1.9	30
504	Applicability of SWAT Model for Estimation of Phosphorus Discharge in a Suburban Catchment. Suimon Mizu Shigen Gakkaishi, 2013, 26, 153-173.	0.1	6
505	A Topography Analysis Incorporated Optimization Method for the Selection and Placement of Best Management Practices. PLoS ONE, 2013, 8, e54520.	1.1	18
506	Modeling the Production of Multiple Ecosystem Services from Agricultural and Forest Landscapes in Rhode Island. Agricultural and Resource Economics Review, 2013, 42, 251-274.	0.6	16
507	Development and Interpretation of New Sediment Rating Curve Considering the Effect of Vegetation Cover for Asian Basins. Scientific World Journal, The, 2013, 2013, 1-9.	0.8	12
508	Hydrology Evaluation of the Soil and Water Assessment Tool Considering Measurement Uncertainty for a Small Watershed in Southern Brazil. Applied Engineering in Agriculture, 2013, 29, 189-200.	0.3	20
509	Sediment yield model implementation based on check dam infill stratigraphy in a semiarid Mediterranean catchment. Hydrology and Earth System Sciences, 2013, 17, 3339-3354.	1.9	70
510	Simulating Dryland Water Availability and Spring Wheat Production in the Northern Great Plains. Agronomy Journal, 2013, 105, 37-50.	0.9	23
511	An Assessment on Base and Peak Flows Using a Physically-Based Model. Research Journal of Environmental and Earth Sciences, 2013, 5, 49-57.	0.1	4
512	Cellulosic Biofuel Potential of a Winter Rye Double Crop across the U.S. Corn-Soybean Belt. Agronomy Journal, 2013, 105, 631-642.	0.9	49

#	ARTICLE	IF	CITATIONS
513	Validation study of TPA 3B42V6 in a typical alpine and gorge region: Jinsha River basin, China. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 3479-3492.	1.5	4
514	Effectiveness of alternative management scenarios on the sediment load in a Mediterranean agricultural watershed. <i>Journal of Agricultural Engineering</i> , 2014, 45, 125.	0.7	28
515	The Use of Soil Taxonomy as a Soil Type Identifier for the Shasta Lake Watershed Using SWAT. <i>Transactions of the ASABE</i> , 2014, , 717-728.	1.1	2
516	Forage Harvest Representation in RUSLE2. <i>Agronomy Journal</i> , 2014, 106, 151-167.	0.9	6
517	Assessing optimal set of implemented physical parameterization schemes in a multi-physics land surface model using genetic algorithm. <i>Geoscientific Model Development</i> , 2014, 7, 2517-2529.	1.3	27
518	Assessment of the Environmental Fate of the Herbicides Flufenacet and Metazachlor with the SWAT Model. <i>Journal of Environmental Quality</i> , 2014, 43, 75-85.	1.0	54
519	Comparison and Evaluation of Model Structures for the Simulation of Pollution Fluxes in a Tile-Drained River Basin. <i>Journal of Environmental Quality</i> , 2014, 43, 86-99.	1.0	13
520	The Role of Interior Watershed Processes in Improving Parameter Estimation and Performance of Watershed Models. <i>Journal of Environmental Quality</i> , 2014, 43, 1601-1613.	1.0	54
521	Comparison of Temperature-Index Snowmelt Models for Use within an Operational Water Quality Model. <i>Journal of Environmental Quality</i> , 2014, 43, 199-207.	1.0	12
522	Hydrological Modeling of the Jiaoyi Watershed (China) Using HSPF Model. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	11
523	Modelling Climate Change Impacts on the Seasonality of Water Resources in the Upper Ca River Watershed in Southeast Asia. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	0.8	19
524	A Regional Climate Simulation Study Using WRF-ARW Model over Europe and Evaluation for Extreme Temperature Weather Events. <i>International Journal of Atmospheric Sciences</i> , 2014, 2014, 1-22.	0.5	28
525	Identification and simulation of space-time variability of past hydrological drought events in the Limpopo River basin, southern Africa. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2925-2942.	1.9	57
526	Large-Scale Hydrological Simulations Using the Soil Water Assessment Tool, Protocol Development, and Application in the Danube Basin. <i>Journal of Environmental Quality</i> , 2014, 43, 145-154.	1.0	48
527	Nationwide Digital Terrain Models for Topographic Depression Modelling in Detection of Flood Detention Areas. <i>Water (Switzerland)</i> , 2014, 6, 271-300.	1.2	4
528	Water Resources Response to Changes in Temperature, Rainfall and CO2 Concentration: A First Approach in NW Spain. <i>Water (Switzerland)</i> , 2014, 6, 3049-3067.	1.2	25
529	Impactos do desmatamento e de mudan�as clim�ticas nos recursos h�dricos na Amaz�nia ocidental utilizando o modelo SLURP. <i>Revista Brasileira De Meteorologia</i> , 2014, 29, 111-120.	0.2	15
530	Assessing winter cover crop nutrient uptake efficiency using a water quality simulation model. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5239-5253.	1.9	51

#	ARTICLE	IF	CITATIONS
531	Climate variability and its impacts on runoff in the Kosasthaliyar sub-basin, India. <i>Earth Sciences Research Journal</i> , 2014, 18, 45-49.	0.4	4
532	Climate change and wetland loss impacts on a western river's water quality. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4509-4527.	1.9	25
533	Climate change and stream temperature projections in the Columbia River basin: habitat implications of spatial variation in hydrologic drivers. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4897-4912.	1.9	55
534	An Integrated Modeling Approach for Estimating the Water Quality Benefits of Conservation Practices at the River Basin Scale. <i>Journal of Environmental Quality</i> , 2014, 43, 177-198.	1.0	52
535	Daily Nitrate Losses: Implication on Long-Term River Quality in an Intensive Agricultural Catchment of Southwestern France. <i>Journal of Environmental Quality</i> , 2014, 43, 46-54.	1.0	31
536	Simulation of Streamflow and Sediment with the Soil and Water Assessment Tool in a Data Scarce Catchment in the Three Gorges Region, China. <i>Journal of Environmental Quality</i> , 2014, 43, 37-45.	1.0	56
537	A Watershed Modeling Framework for Phosphorus Loading from Residential and Agricultural Sources. <i>Journal of Environmental Quality</i> , 2014, 43, 1356-1369.	1.0	5
538	Transferability of SWAT Models between SWAT2009 and SWAT2012. <i>Journal of Environmental Quality</i> , 2014, 43, 869-880.	1.0	22
539	Evaluation of a Stepwise, Multiobjective, Multivariable Parameter Optimization Method for the APEX Model. <i>Journal of Environmental Quality</i> , 2014, 43, 1381-1391.	1.0	15
540	Soil Surface Sealing Effect on Soil Moisture at a Semiarid Hillslope: Implications for Remote Sensing Estimation. <i>Remote Sensing</i> , 2014, 6, 7469-7490.	1.8	10
541	Using the SWAT model to improve process descriptions and define hydrologic partitioning in South Korea. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 539-557.	1.9	33
542	Can the heterogeneity in stream dissolved organic carbon be explained by contributing landscape elements?. <i>Biogeosciences</i> , 2014, 11, 1199-1213.	1.3	48
543	Attribution of detected changes in streamflow using multiple working hypotheses. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1935-1952.	1.9	63
544	Use of the Soil and Water Assessment Tool to Scale Sediment Delivery from Field to Watershed in an Agricultural Landscape with Topographic Depressions. <i>Journal of Environmental Quality</i> , 2014, 43, 9-17.	1.0	34
545	Evaluation of a Landscape-Scale Approach to Cotton Modeling. <i>Agronomy Journal</i> , 2014, 106, 2263-2279.	0.9	6
546	Distinguishing between anthropogenic and climatic impacts on lake size: a modeling approach using data from Ebinur Lake in arid northwest China. <i>Journal of Limnology</i> , 2014, 73, .	0.3	18
547	A Simple Quantitative Model to Predict Leaf Area Index in Sorghum. <i>Agronomy Journal</i> , 2014, 106, 219-226.	0.9	7
548	Quantifying the Contribution of On-Site Wastewater Treatment Systems to Stream Discharge Using the SWAT Model. <i>Journal of Environmental Quality</i> , 2014, 43, 539-548.	1.0	14

#	ARTICLE	IF	CITATIONS
549	Validation of a Quantitative Phosphorus Loss Assessment Tool. <i>Journal of Environmental Quality</i> , 2014, 43, 224-234.	1.0	7
550	Sediment Delivery Estimates in Water Quality Models Altered by Resolution and Source of Topographic Data. <i>Journal of Environmental Quality</i> , 2014, 43, 26-36.	1.0	24
551	Long-Term Environmental Research: The Upper Washita River Experimental Watersheds, Oklahoma, USA. <i>Journal of Environmental Quality</i> , 2014, 43, 1227-1238.	1.0	25
552	Applying SWAT to predict ortho-phosphate loads and trophic status in four reservoirs in the upper Olifants catchment, South Africa. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2629-2643.	1.9	10
553	Performance of Weibull and Linear Semi-logarithmic Models in Simulating <i>Escherichia coli</i> Inactivation in Waters. <i>Journal of Environmental Quality</i> , 2014, 43, 1559-1565.	1.0	6
554	Development of Web-Based RECESS Model for Estimating Baseflow Using SWAT. <i>Sustainability</i> , 2014, 6, 2357-2378.	1.6	13
555	Assessing effects of permafrost thaw on C fluxes based on multiyear modeling across a permafrost thaw gradient at Stordalen, Sweden. <i>Biogeosciences</i> , 2014, 11, 4753-4770.	1.3	27
556	Derivative Discharge and Runoff Volume Simulation from Different Time Steps with a Hydrologic Simulator. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 8, 1125-1131.	0.1	3
557	Evaluating the Utah Energy Balance (UEB) snow model in the Noah land-surface model. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3553-3570.	1.9	15
558	Teleconnection analysis of runoff and soil moisture over the Pearl River basin in southern China. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1475-1492.	1.9	38
559	Integrating MRS data with hydrologic model in Carrizal Catchment (Spain). <i>Near Surface Geophysics</i> , 2014, 12, 255-269.	0.6	13
560	Cost-Effective Targeting for Reducing Soil Erosion in a Large Agricultural Watershed. <i>Journal of Agricultural & Applied Economics</i> , 2014, 46, 509-526.	0.8	4
561	Climate Change Impact on Runoff and Sediment Loads to the Apalachicola River at Seasonal and Event Scales. <i>Journal of Coastal Research</i> , 2014, 68, 35-42.	0.1	14
562	Simulating the impacts of land-use change on a large-scale runoff using the easy distributed hydrological model. <i>HKIE Transactions</i> , 2014, 21, 122-134.	1.9	0
563	A dynamic watershed model for determining the effects of transient storage on nitrogen export to rivers. <i>Water Resources Research</i> , 2014, 50, 7714-7730.	1.7	24
564	Spatiotemporal Change of Blue Water and Green Water Resources in the Headwater of Yellow River Basin, China. <i>Water Resources Management</i> , 2014, 28, 4715-4732.	1.9	31
565	Surveyed and modelled one-year morphodynamics in the braided lower Tana River. <i>Hydrological Processes</i> , 2014, 28, 2685-2716.	1.1	29
566	100 years of California's water rights system: patterns, trends and uncertainty. <i>Environmental Research Letters</i> , 2014, 9, 084012.	2.2	91

#	ARTICLE	IF	CITATIONS
567	Changes in hydrology and streamflow as predicted by a modelling experiment forced with climate models. <i>Hydrological Processes</i> , 2014, 28, 2772-2781.	1.1	41
568	Porous Pavement Quality Modelling. <i>Procedia Engineering</i> , 2014, 89, 758-766.	1.2	5
569	Impact of the Agricultural Research Service Watershed Assessment Studies on the Conservation Effects Assessment Project Cropland National Assessment. <i>Journal of Soils and Water Conservation</i> , 2014, 69, 137A-144A.	0.8	18
570	A decade of conservation effects assessment research by the USDA Agricultural Research Service: Progress overview and future outlook. <i>Journal of Soils and Water Conservation</i> , 2014, 69, 365-373.	0.8	37
571	Evaluation of sediment properties using wind and turbidity observations in the shallow tidal areas of the Venice Lagoon. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 1604-1616.	1.0	17
572	The potential of coordinated reservoir operation for flood mitigation in large basins – A case study on the Bavarian Danube using coupled hydrological-hydrodynamic models. <i>Journal of Hydrology</i> , 2014, 517, 1128-1144.	2.3	25
573	Terrestrial hydrological responses to precipitation variability in Southwest China with emphasis on drought. <i>Hydrological Sciences Journal</i> , 2014, 59, 325-335.	1.2	12
574	Estimation of sediment yield using SWAT model for Upper Tapi basin. <i>ISH Journal of Hydraulic Engineering</i> , 2014, 20, 291-300.	1.1	30
575	Calibrating Environment Canada's MESH Modelling System over the Great Lakes Basin. <i>Atmosphere - Ocean</i> , 2014, 52, 281-293.	0.6	30
576	Scenario Studies on Effects of Soil Infiltration Rates, Land Slope, and Furrow Irrigation Characteristics on Furrow Irrigation-Induced Erosion. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-6.	0.9	2
577	Performance assessment of nitrate leaching models for highly vulnerable soils used in low-input farming based on lysimeter data. <i>Science of the Total Environment</i> , 2014, 499, 463-480.	3.9	35
578	Prediction of BP Reactivity to Talking Using Hybrid Soft Computing Approaches. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-13.	0.7	2
579	Simulation of stream nitrate-nitrogen export using the Soil and Water Assessment Tool model in a dairy farming watershed with an external water source. <i>Journal of Soils and Water Conservation</i> , 2014, 69, 75-85.	0.8	6
580	Evaluating the impact of land use uncertainty on the simulated streamflow and sediment yield of the Seyhan River basin using the SWAT model. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2014, 38, 515-530.	0.8	27
581	Modelling Furrow Irrigation-Induced Erosion on a Sandy Loam Soil in Samaru, Northern Nigeria. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-8.	0.9	1
582	Analysis of Pressure Wave Model Predictions Considering Diesel Fuel Properties. <i>Applied Mechanics and Materials</i> , 0, 681, 7-10.	0.2	0
583	Hydrology modelling in Taleghan mountainous watershed using SWAT. <i>Journal of Water and Land Development</i> , 2014, 20, 11-18.	0.9	23
584	Analysis of the Expansion of the Panama Canal using simulation modeling and artificial intelligence. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
585	SWAT hydrologic model parameter uncertainty and its implications for hydroclimatic projections in snowmelt-dependent watersheds. <i>Journal of Hydrology</i> , 2014, 519, 2081-2090.	2.3	56
586	Modelling the impact of climate change on sediment yield in a highly erodible Mediterranean catchment. <i>Journal of Soils and Sediments</i> , 2014, 14, 1921-1937.	1.5	44
587	Evaluation of the WEPP model and digital elevation grid size, for simulation of streamflow and sediment yield in a heterogeneous catchment. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 1331-1344.	1.2	7
588	A spatio-temporal hybrid neural network-Kriging model for groundwater level simulation. <i>Journal of Hydrology</i> , 2014, 519, 3193-3203.	2.3	84
589	Development of total maximum daily loads for bacteria impaired watershed using the comprehensive hydrology and water quality simulation model. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1077-1089.	0.9	5
590	Evaluation of soil and water conservation measures in a semi-arid river basin in Tunisia using SWAT. <i>Soil Use and Management</i> , 2014, 30, 539-549.	2.6	46
591	Comparing Large-Scale Hydrological Model Predictions with Observed Streamflow in the Pacific Northwest: Effects of Climate and Groundwater*. <i>Journal of Hydrometeorology</i> , 2014, 15, 2501-2521.	0.7	29
592	The responses of hydrological processes and sediment yield to land-use and climate change in the Be River Catchment, Vietnam. <i>Hydrological Processes</i> , 2014, 28, 640-652.	1.1	83
593	Estimating Runoff Using Hydro-Geodetic Approaches. <i>Surveys in Geophysics</i> , 2014, 35, 1333-1359.	2.1	65
594	Assessment of water budgets and the hydrologic performance of a created mitigation wetland: A modeling approach. <i>Ecological Engineering</i> , 2014, 71, 667-676.	1.6	7
595	Water Environment in the Coastal Basins of Syria - Assessing the Impacts of the War. <i>Environmental Processes</i> , 2014, 1, 533-552.	1.7	15
596	Effect of Green Water Management on River Base Flow. <i>Applied Mechanics and Materials</i> , 2014, 692, 90-96.	0.2	0
597	Nutrient delivery from the Mississippi River to the Gulf of Mexico and effects of cropland conservation. <i>Journal of Soils and Water Conservation</i> , 2014, 69, 26-40.	0.8	102
598	Exploiting the Topographic Information in a PDM-Based Conceptual Hydrological Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 1173-1185.	0.8	13
599	Quantifying Consequences of Land Use and Rainfall Changes on Maximum Flood Peak in the Lower Nam Phong River Basin. <i>Advanced Materials Research</i> , 2014, 931-932, 791-796.	0.3	5
600	Effect of land use change on water discharge in Srepok watershed, Central Highland, Viet Nam. <i>International Soil and Water Conservation Research</i> , 2014, 2, 74-86.	3.0	30
601	Long-Term Hydrological Impacts of Land Use/Land Cover Change From 1984 to 2010 in the Little River Watershed, Tennessee. <i>International Soil and Water Conservation Research</i> , 2014, 2, 11-21.	3.0	67
602	Potential of MODFLOW to Model Hydrological Interactions in a Semikarst Floodplain of the Ozark Border Forest in the Central United States. <i>Earth Interactions</i> , 2014, 18, 1-24.	0.7	2

#	ARTICLE	IF	CITATIONS
603	Parameter optimization, sensitivity, and uncertainty analysis of an ecosystem model at a forest flux tower site in the United States. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 405-419.	1.3	33
604	Impact of Contract Structure and Risk Aversion on Interutility Water Transfer Agreements. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 100-111.	1.3	17
605	Evaluation of the effects of underlying surface change on catchment hydrological response using the HEC-HMS model. <i>Proceedings of the International Association of Hydrological Sciences</i> , 2014, 364, 145-150.	1.0	3
606	Modeling the hygrothermal behavior of biobased construction materials. <i>Journal of Building Physics</i> , 2014, 38, 191-213.	1.2	20
607	Setting Water Quality Criteria in China: Approaches for Developing Species Sensitivity Distributions for Metals and Metalloids. <i>Reviews of Environmental Contamination and Toxicology</i> , 2014, 230, 35-57.	0.7	11
608	Application of self-organising maps and multi-layer perceptron-artificial neural networks for streamflow and water level forecasting in data-poor catchments: the case of the Lower Shire floodplain, Malawi. <i>Hydrology Research</i> , 2014, 45, 838-854.	1.1	25
609	Changes in climate, catchment vegetation and hydrogeology as the causes of dramatic lake-level fluctuations in the Kurtna Lake District, NE Estonia. <i>Estonian Journal of Earth Sciences</i> , 2014, 63, 45.	0.4	9
610	Rangeland watershed study using the Agricultural Policy/Environmental eXtender. <i>Journal of Soils and Water Conservation</i> , 2014, 69, 197-212.	0.8	8
611	Effects of reforestation on near-surface saturated hydraulic conductivity in a managed forest landscape, southern Ontario, Canada. <i>Ecohydrology</i> , 2014, 7, 45-55.	1.1	26
612	A multi-storage groundwater concept for the SWAT model to emphasize nonlinear groundwater dynamics in lowland catchments. <i>Hydrological Processes</i> , 2014, 28, 5599-5612.	1.1	75
613	Agricultural management impacts on groundwater: simulations of existing and alternative management options in Peninsular India. <i>Hydrological Processes</i> , 2014, 28, 5021-5033.	1.1	4
614	Determining potential rainwater harvesting sites using a continuous runoff potential accounting procedure and GIS techniques in central Italy. <i>Agricultural Water Management</i> , 2014, 141, 55-65.	2.4	31
615	An Interval-Deviation Approach for hydrology and water quality model evaluation within an uncertainty framework. <i>Journal of Hydrology</i> , 2014, 509, 207-214.	2.3	27
616	Gaussian process models for reference ET estimation from alternative meteorological data sources. <i>Journal of Hydrology</i> , 2014, 517, 28-35.	2.3	28
617	Smart low flow signature metrics for an improved overall performance evaluation of hydrological models. <i>Journal of Hydrology</i> , 2014, 510, 447-458.	2.3	134
618	A test of how coupling of vegetation to the atmosphere and climate spatial variation affects water yield modelling in mountainous catchments. <i>Journal of Hydrology</i> , 2014, 514, 202-213.	2.3	8
619	Quantifying the hydrological impact of simulated changes in land use on peak discharge in a small catchment. <i>Science of the Total Environment</i> , 2014, 466-467, 741-754.	3.9	66
620	Evaluation of the AnnAGNPS model for predicting runoff and sediment yield in a small Mediterranean agricultural watershed in Navarre (Spain). <i>Agricultural Water Management</i> , 2014, 134, 24-37.	2.4	80

#	ARTICLE	IF	CITATIONS
621	Evaluating, interpreting, and communicating performance of hydrologic/water quality models considering intended use: A review and recommendations. <i>Environmental Modelling and Software</i> , 2014, 57, 40-51.	1.9	110
622	Analyses of the impact of climate change on water resources components, drought and wheat yield in semi-arid regions: Karkheh River Basin in Iran. <i>Hydrological Processes</i> , 2014, 28, 2018-2032.	1.1	135
623	Modeling daily chlorophyll a dynamics in a German lowland river using artificial neural networks and multiple linear regression approaches. <i>Limnology</i> , 2014, 15, 47-56.	0.8	38
624	Analysing Seasonal Differences between a Soil Water Balance Model and in Situ Soil Moisture Measurements at Nine Locations Across Europe. <i>Environmental Modeling and Assessment</i> , 2014, 19, 19-34.	1.2	26
625	Simulation of hydrological processes of mountainous watersheds in inland river basins: taking the Heihe Mainstream River as an example. <i>Journal of Arid Land</i> , 2014, 6, 16-26.	0.9	28
626	Study of runoff response to land use change in the East River basin in South China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 857-865.	1.9	22
627	Adjusting Error Calculation to Account for Temporal Mismatch in Evaluating Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 1186-1193.	0.8	3
628	A Comprehensive Land-Use/Hydrological Modeling System for Scenario Simulations in the Elbow River Watershed, Alberta, Canada. <i>Environmental Management</i> , 2014, 53, 357-381.	1.2	39
629	Streamflow modeling in a fluctuant climate using SWAT: Yass River catchment in south eastern Australia. <i>Environmental Earth Sciences</i> , 2014, 71, 5241-5254.	1.3	49
630	DRAINMOD-DSSAT model for simulating hydrology, soil carbon and nitrogen dynamics, and crop growth for drained crop land. <i>Agricultural Water Management</i> , 2014, 137, 30-45.	2.4	35
631	Spatial resolution considerations for urban hydrological modelling. <i>Journal of Hydrology</i> , 2014, 512, 482-497.	2.3	116
632	Assessing Effects of Small Dams on Stream Flow and Water Quality in an Agricultural Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, .	0.8	31
633	Assessing the cost-effectiveness of irrigation water management practices in water stressed agricultural catchments: The case of Pinios. <i>Agricultural Water Management</i> , 2014, 139, 31-42.	2.4	40
634	Climate change impact on countrywide water balance in Bolivia. <i>Regional Environmental Change</i> , 2014, 14, 727-742.	1.4	23
635	Evaluating ephemeral gullies with a process-based topographic index model. <i>Catena</i> , 2014, 113, 177-186.	2.2	37
636	Soil water variability and its influence on transpirable soil water fraction with two grape varieties under different rainfall regimes. <i>Agriculture, Ecosystems and Environment</i> , 2014, 185, 253-262.	2.5	17
637	Towards best practice implementation and application of models for analysis of water resources management scenarios. <i>Environmental Modelling and Software</i> , 2014, 52, 136-148.	1.9	38
638	Evaluation of hydrological effect of stakeholder prioritized climate change adaptation options based on multi-model regional climate projections. <i>Climatic Change</i> , 2014, 123, 225-239.	1.7	8

#	ARTICLE	IF	CITATIONS
639	Impact of Climate Change on the Hydrology of Upper Tiber River Basin Using Bias Corrected Regional Climate Model. <i>Water Resources Management</i> , 2014, 28, 1327-1343.	1.9	83
640	A successive steady-state model for simulating freshwater discharges and saltwater wedge profiles at Baffin Bay, Texas. <i>Environmental Earth Sciences</i> , 2014, 71, 2535-2546.	1.3	4
641	Climate Change and Agricultural Development: Adapting Polish Agriculture to Reduce Future Nutrient Loads in a Coastal Watershed. <i>Ambio</i> , 2014, 43, 644-660.	2.8	25
642	A framework for propagation of uncertainty contributed by parameterization, input data, model structure, and calibration/validation data in watershed modeling. <i>Environmental Modelling and Software</i> , 2014, 54, 211-221.	1.9	124
643	Rainfall estimation in SWAT: An alternative method to simulate orographic precipitation. <i>Journal of Hydrology</i> , 2014, 509, 257-265.	2.3	46
644	Partitioning evapotranspiration, yield prediction and economic returns of maize under various irrigation management strategies. <i>Agricultural Water Management</i> , 2014, 135, 27-39.	2.4	109
645	An evaluation of the statistical methods for testing the performance of crop models with observed data. <i>Agricultural Systems</i> , 2014, 127, 81-89.	3.2	231
646	Impacts of climate variability on water quality with best management practices in sub-tropical climate of USA. <i>Hydrological Processes</i> , 2014, 28, 5776-5790.	1.1	39
647	Improving the estimation of hydrological states in the SWAT model via the ensemble Kalman smoother: Synthetic experiments for the Heihe River Basin in northwest China. <i>Advances in Water Resources</i> , 2014, 67, 32-45.	1.7	33
648	How to improve the representation of hydrological processes in SWAT for a lowland catchment – temporal analysis of parameter sensitivity and model performance. <i>Hydrological Processes</i> , 2014, 28, 2651-2670.	1.1	112
649	The potential for agricultural land use change to reduce flood risk in a large watershed. <i>Hydrological Processes</i> , 2014, 28, 3314-3325.	1.1	86
650	Hydrological and water quality impact assessment of a Mediterranean limno-reservoir under climate change and land use management scenarios. <i>Journal of Hydrology</i> , 2014, 509, 354-366.	2.3	168
651	Integrated hydrological and water quality model for river management: A case study on Lena River. <i>Science of the Total Environment</i> , 2014, 485-486, 474-489.	3.9	61
652	Modelling runoff and erosion, and their mitigation, in burned Portuguese forest using the revised Morgan-Morgan-Finney model. <i>Forest Ecology and Management</i> , 2014, 314, 150-165.	1.4	44
653	Real-time observation, early warning and forecasting phytoplankton blooms by integrating in situ automated online sondes and hybrid evolutionary algorithms. <i>Ecological Informatics</i> , 2014, 22, 44-51.	2.3	28
654	Quantifying the relative impact of climate and human activities on streamflow. <i>Journal of Hydrology</i> , 2014, 515, 257-266.	2.3	186
655	Using the Climate Forecast System Reanalysis as weather input data for watershed models. <i>Hydrological Processes</i> , 2014, 28, 5613-5623.	1.1	302
656	Effects of tillage and application rate on atrazine transport to subsurface drainage: Evaluation of RZWQM using a six-year field study. <i>Agricultural Water Management</i> , 2014, 132, 10-22.	2.4	20

#	ARTICLE	IF	CITATIONS
657	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.	2.4	33
658	Development of a generic auto-calibration package for regional ecological modeling and application in the Central Plains of the United States. <i>Ecological Informatics</i> , 2014, 19, 35-46.	2.3	14
659	Investigating the influence of roughness length for heat transport (zoh) on the performance of SEBAL in semi-arid irrigated and dryland agricultural systems. <i>Journal of Hydrology</i> , 2014, 509, 231-244.	2.3	36
660	Assessing the effects of spatial discretization on large-scale flow model performance and prediction uncertainty. <i>Journal of Hydrology</i> , 2014, 510, 10-25.	2.3	31
661	Developing tailored climate change scenarios for hydrological impact assessments. <i>Journal of Hydrology</i> , 2014, 508, 307-321.	2.3	72
662	Environmental water quantity projections under market-driven and sustainability-driven future scenarios in the Narew basin, Poland. <i>Hydrological Sciences Journal</i> , 2014, 59, 916-934.	1.2	11
663	Streamflow timing of mountain rivers in Spain: Recent changes and future projections. <i>Journal of Hydrology</i> , 2014, 517, 1114-1127.	2.3	57
664	Evaluation of CFSR climate data for hydrologic prediction in data-scarce watersheds: an application in the Blue Nile River Basin. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1226-1241.	1.0	270
665	Evaluating Spatial and Temporal Variability of Fecal Coliform Bacteria Loads at the Pelahatchie Watershed in Mississippi. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1023-1041.	1.7	8
666	Predicting Periphyton Cover Frequency Distributions across New Zealand's Rivers. <i>Journal of the American Water Resources Association</i> , 2014, 50, 111-127.	1.0	13
667	Evapotranspiration and crop coefficients for a super intensive olive orchard. An application of SIMDualKc and METRIC models using ground and satellite observations. <i>Journal of Hydrology</i> , 2014, 519, 2067-2080.	2.3	98
668	Using tree ring data as a proxy for transpiration to reduce predictive uncertainty of a model simulating groundwater-surface water-vegetation interactions. <i>Journal of Hydrology</i> , 2014, 519, 2258-2271.	2.3	53
669	A Long-Term Land Surface Hydrologic Fluxes and States Dataset for China. <i>Journal of Hydrometeorology</i> , 2014, 15, 2067-2084.	0.7	142
670	Validation of Satellite Rainfall Products for Western Uganda. <i>Journal of Hydrometeorology</i> , 2014, 15, 2030-2038.	0.7	64
671	Recession of phosphorus and nitrogen concentrations in tile drainage water after high poultry manure applications in two consecutive years. <i>Agricultural Water Management</i> , 2014, 146, 208-217.	2.4	9
672	Improved Understanding of Suspended Sediment Transport Process Using Multi-Temporal Landsat Data: A Case Study From the Old Woman Creek Estuary (Ohio). <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 636-647.	2.3	10
673	Water Management Trade-offs between Agriculture and the Environment: A Multiobjective Approach and Application. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014, 140, 05014005.	0.6	12
674	Estimating water quality effects of conservation practices and grazing land use scenarios. <i>Journal of Soils and Water Conservation</i> , 2014, 69, 330-342.	0.8	24

#	ARTICLE	IF	CITATIONS
675	Modelling phosphorus loading and algal blooms in a Nordic agricultural catchment-lake system under changing land-use and climate. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1588-1599.	1.7	47
676	Conceptualizing and assessing the effects of installation and operation of photovoltaic power plants on major hydrologic budget constituents. <i>Science of the Total Environment</i> , 2014, 493, 239-250.	3.9	24
677	Quantitative analysis of factors controlling sediment yield in mountainous watersheds. <i>Geomorphology</i> , 2014, 226, 193-201.	1.1	99
678	A blue/green water-based accounting framework for assessment of water security. <i>Water Resources Research</i> , 2014, 50, 7187-7205.	1.7	100
679	Internal waves and mixing in a stratified reservoir: Insights from three-dimensional modeling. <i>Limnologica</i> , 2014, 49, 52-67.	0.7	37
680	Effect of rooting depth, plant density and planting date on maize (<i>Zea mays</i> L.) yield and water use efficiency in semi-arid Zimbabwe: Modelling with AquaCrop. <i>Agricultural Water Management</i> , 2014, 146, 280-296.	2.4	74
681	Developing and testing temperature models for regulated systems: A case study on the Upper Delaware River. <i>Journal of Hydrology</i> , 2014, 519, 588-598.	2.3	32
682	Scale dynamics of extensive green roofs: Quantifying the effect of drainage area and rainfall characteristics on observed and modeled green roof hydrologic performance. <i>Ecological Engineering</i> , 2014, 73, 494-508.	1.6	92
683	Rainfall-runoff modeling in a flashy tropical watershed using the distributed HL-RDHM model. <i>Journal of Hydrology</i> , 2014, 519, 3436-3447.	2.3	29
684	Satellite precipitation products and hydrologic applications. <i>Water International</i> , 2014, 39, 360-380.	0.4	14
685	Flow regime alteration due to anthropogenic and climatic changes in the Kangsabati River, India. <i>Ecohydrology and Hydrobiology</i> , 2014, 14, 182-191.	1.0	49
686	Evaluation of a model framework to estimate soil and soil organic carbon redistribution by water and tillage using ¹³⁷ Cs in two U.S. Midwest agricultural fields. <i>Geoderma</i> , 2014, 232-234, 437-448.	2.3	26
687	Use of Fuzzy rainfall-runoff predictions for claypan watersheds with conservation buffers in Northeast Missouri. <i>Journal of Hydrology</i> , 2014, 517, 1008-1018.	2.3	12
688	Analysing, completing, and generating influent data for WWTP modelling: A critical review. <i>Environmental Modelling and Software</i> , 2014, 60, 188-201.	1.9	74
689	Uncertainty and sensitivity analyses using GLUE when modeling inhibition and pharmaceutical cometabolism during nitrification. <i>Environmental Modelling and Software</i> , 2014, 60, 219-227.	1.9	11
690	Evaluating the impact of climate change on groundwater resources in a small Mediterranean watershed. <i>Science of the Total Environment</i> , 2014, 499, 437-447.	3.9	65
691	Modeling relations of tomato yield and fruit quality with water deficit at different growth stages under greenhouse condition. <i>Agricultural Water Management</i> , 2014, 146, 131-148.	2.4	78
692	Patterns of similarity of seasonal water balances: A window into streamflow variability over a range of time scales. <i>Water Resources Research</i> , 2014, 50, 5638-5661.	1.7	167

#	ARTICLE	IF	CITATIONS
693	Impacts of Land-use Changes on the Hydrology of the Grande River Basin Headwaters, Southeastern Brazil. <i>Water Resources Management</i> , 2014, 28, 4537-4550.	1.9	55
694	Assessment of rainfall erosivity and its spatial and temporal variabilities: Case study of the Peneda's area (NE Spain). <i>Catena</i> , 2014, 123, 135-147.	2.2	37
695	<i>In situ</i> UV-Vis spectroscopy to estimate COD and TSS in wastewater drainage systems. <i>Urban Water Journal</i> , 2014, 11, 261-273.	1.0	42
696	Daily anomalous high flow (DAHF) of a headwater catchment over the East River basin in South China. <i>Journal of Hydrology</i> , 2014, 519, 284-294.	2.3	3
697	A simple, regionally parameterized model for predicting nonpoint source areas in the northeastern US. <i>Journal of Hydrology: Regional Studies</i> , 2014, 1, 74-91.	1.0	22
698	Winter wheat with subsurface drip irrigation (SDI): Crop coefficients, water-use estimates, and effects of SDI on grain yield and water use efficiency. <i>Agricultural Water Management</i> , 2014, 146, 1-10.	2.4	58
699	A comprehensive approach to evaluating watershed models for predicting river flow regimes critical to downstream ecosystem services. <i>Environmental Modelling and Software</i> , 2014, 61, 121-134.	1.9	64
700	Tracking water pathways in steep hillslopes by γ 18O depth profiles of soil water. <i>Journal of Hydrology</i> , 2014, 519, 340-352.	2.3	89
701	Improving the forecasts of extreme streamflow by support vector regression with the data extracted by self-organizing map. <i>Hydrological Processes</i> , 2014, 28, 386-397.	1.1	44
702	Phytoplankton dynamics in the Gulf of Aqaba (Eilat, Red Sea): A simulation study of mariculture effects. <i>Marine Pollution Bulletin</i> , 2014, 86, 481-493.	2.3	8
703	Modeling Water Resources and River-Aquifer Interaction in the Júcar River Basin, Spain. <i>Water Resources Management</i> , 2014, 28, 4337-4358.	1.9	69
704	Diagnosing Climate Change and Hydrological Responses in the Past Decades for a Minimally-disturbed Headwater Basin in South China. <i>Water Resources Management</i> , 2014, 28, 4385-4400.	1.9	16
705	Modeling of Event and Continuous Flow Hydrographs with HEC-HMS: Case Study in the Kelani River Basin, Sri Lanka. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 800-806.	0.8	68
706	Hydrologic impact of climate change with adaptation of vegetation community in a forest-dominant watershed. <i>Paddy and Water Environment</i> , 2014, 12, 51-63.	1.0	3
707	The nearshore shunt and the decline of the phytoplankton spring bloom in the Laurentian Great Lakes: insights from a three-dimensional lake model. <i>Hydrobiologia</i> , 2014, 731, 151-172.	1.0	36
708	Parameter uncertainty and identifiability of a conceptual semi-distributed model to simulate hydrological processes in a small headwater catchment in Northwest China. <i>Ecological Processes</i> , 2014, 3, .	1.6	8
709	Numerical and experimental characterization of the 2D vertical average-velocity plane at the center-profile and qualitative air entrainment inside a gully for drainage and reverse flow. <i>Computers and Fluids</i> , 2014, 102, 52-61.	1.3	21
710	Assessment of Contributions of Climatic Variation and Human Activities to Streamflow Changes in the Lancang River, China. <i>Water Resources Management</i> , 2014, 28, 2953-2966.	1.9	45

#	ARTICLE	IF	CITATIONS
711	Modeling Carbon Stocks in a Secondary Tropical Dry Forest in the Yucatan Peninsula, Mexico. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	26
712	Description of hydrological and erosion processes determined by applying the LISEM model in a rural catchment in southern Brazil. <i>Journal of Soils and Sediments</i> , 2014, 14, 1298-1310.	1.5	25
713	Parameter identification and calibration of the Xin'anjiang model using the surrogate modeling approach. <i>Frontiers of Earth Science</i> , 2014, 8, 264-281.	0.9	7
714	Reducing uncertainty in hydrological modelling in a data sparse region. <i>Environmental Earth Sciences</i> , 2014, 72, 4801-4816.	1.3	19
715	Inverse determination of groundwater inflow using water balance simulations. <i>Environmental Earth Sciences</i> , 2014, 72, 4757-4769.	1.3	4
716	Streamflow response to regional climate model output in the mountainous watershed: a case study from the Swiss Alps. <i>Environmental Earth Sciences</i> , 2014, 72, 4357-4369.	1.3	17
717	Evaluation of an erosion-sediment transport model for a hillslope using laboratory flume data. <i>Journal of Arid Land</i> , 2014, 6, 647-655.	0.9	6
718	Impact of climate change on diffuse pollutant fluxes at the watershed scale. <i>Hydrological Processes</i> , 2014, 28, 1962-1972.	1.1	31
719	Toward improved calibration of watershed models: Multisite multiobjective measures of information. <i>Environmental Modelling and Software</i> , 2014, 59, 135-145.	1.9	46
720	Innovative Technologies for Storm-Water Management Programs in Small Urbanized Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, .	1.3	9
721	Assessing the performance of the FAO AquaCrop model to estimate maize yields and water use under full and deficit irrigation with focus on model parameterization. <i>Agricultural Water Management</i> , 2014, 144, 81-97.	2.4	99
722	Nonstationarity in Flood Time Series. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 1349-1360.	0.8	15
723	Modelling Lake Kivu water level variations over the last seven decades. <i>Limnologica</i> , 2014, 47, 21-33.	0.7	38
724	Impact of climate and land-use changes on hydrological processes and sediment yield—a case study of the Be River catchment, Vietnam. <i>Hydrological Sciences Journal</i> , 2014, 59, 1095-1108.	1.2	79
725	Integrated Water Management for Environmental Flows in the Rio Grande. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 355-364.	1.3	23
726	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.	2.3	29
727	Development and evaluation of a paddy module for improving hydrological simulation in SWAT. <i>Agricultural Water Management</i> , 2014, 137, 116-122.	2.4	51
728	Assessment of contaminants transport in a watershed affected by acid mine drainage, by coupling hydrological and geochemical modeling tools. <i>Minerals Engineering</i> , 2014, 64, 78-91.	1.8	13

#	ARTICLE	IF	CITATIONS
729	SWAT-CS: Revision and testing of SWAT for Canadian Shield catchments. <i>Journal of Hydrology</i> , 2014, 511, 719-735.	2.3	46
730	Modeling the hydrological significance of wetland restoration scenarios. <i>Journal of Environmental Management</i> , 2014, 133, 121-134.	3.8	61
731	Multisite-multivariable sensitivity analysis of distributed watershed models: Enhancing the perceptions from computationally frugal methods. <i>Ecological Modelling</i> , 2014, 279, 54-67.	1.2	17
732	Influence of changes in developed land and precipitation on hydrology of a coastal Texas watershed. <i>Applied Geography</i> , 2014, 47, 154-167.	1.7	41
733	Modeling light availability for a subordinate crop within a stripâ€“intercropping system. <i>Field Crops Research</i> , 2014, 155, 77-89.	2.3	38
734	Distributed sediment yield modelling: Importance of initial sediment conditions. <i>Environmental Modelling and Software</i> , 2014, 58, 58-70.	1.9	55
735	Parameter optimization of distributed hydrological model with a modified dynamically dimensioned search algorithm. <i>Environmental Modelling and Software</i> , 2014, 52, 98-110.	1.9	21
736	Application date as a controlling factor of pesticide transfers to surface water during runoff events. <i>Catena</i> , 2014, 119, 97-103.	2.2	43
737	Development of a knowledge library for automated watershed modeling. <i>Environmental Modelling and Software</i> , 2014, 54, 60-72.	1.9	10
738	Simulation of the fate of selected pharmaceuticals and personal care products in a highly impacted reach of a Canadian watershed. <i>Science of the Total Environment</i> , 2014, 485-486, 193-204.	3.9	33
739	Relationships Between Water Table and Model Simulated ET. <i>Ground Water</i> , 2014, 52, 303-310.	0.7	16
740	Hydrologic effects of climate change in a sub-basin of the Western Bug River, Western Ukraine. <i>Environmental Earth Sciences</i> , 2014, 72, 4727-4744.	1.3	17
741	A regional neural network ensemble for predicting mean daily river water temperature. <i>Journal of Hydrology</i> , 2014, 517, 187-200.	2.3	100
742	Soft sensing of particle size in a grinding process: Application of support vector regression, fuzzy inference and adaptive neuro fuzzy inference techniques for online monitoring of cement fineness. <i>Powder Technology</i> , 2014, 264, 484-497.	2.1	36
743	Modeling hydrological variability of fresh water resources in the Rio Cobre watershed, Jamaica. <i>Catena</i> , 2014, 120, 81-90.	2.2	34
744	Evaluating a spatially-explicit and stream power-driven erosion and sediment deposition model in Northern Vietnam. <i>Catena</i> , 2014, 120, 134-148.	2.2	12
745	Prediction of regional streamflow frequency using model tree ensembles. <i>Journal of Hydrology</i> , 2014, 517, 298-309.	2.3	25
746	Wetlands as long-term sources of metals to receiving waters in mining-impacted landscapes. <i>Environmental Pollution</i> , 2014, 192, 91-103.	3.7	30

#	ARTICLE	IF	CITATIONS
747	Interacting effects of climate change and agricultural BMPs on nutrient runoff entering Lake Erie. <i>Journal of Great Lakes Research</i> , 2014, 40, 581-589.	0.8	123
748	A combined bottom-up and top-down approach for assessment of climate change adaptation options. <i>Journal of Hydrology</i> , 2014, 518, 150-161.	2.3	73
749	Improvement of the R-SWAT-FME framework to support multiple variables and multi-objective functions. <i>Science of the Total Environment</i> , 2014, 466-467, 455-466.	3.9	29
750	River-aquifer exchange fluxes under monsoonal climate conditions. <i>Journal of Hydrology</i> , 2014, 509, 601-614.	2.3	34
751	The SRI (system of rice intensification) water management evaluation by SWAPP (SWAT's APEX Program) modeling in an agricultural watershed of South Korea. <i>Paddy and Water Environment</i> , 2014, 12, 251-261.	1.0	10
752	Modeling of non-point source nitrogen pollution from 1979 to 2008 in Jiaodong Peninsula, China. <i>Hydrological Processes</i> , 2014, 28, 3264-3275.	1.1	14
753	Non-point source pollution modelling using Soil and Water Assessment Tool and its parameter sensitivity analysis in Xin'anjiang catchment, China. <i>Hydrological Processes</i> , 2014, 28, 1627-1640.	1.1	59
754	Effect of Climate Change on Environmental Flow Indicators in the Narew Basin, Poland. <i>Journal of Environmental Quality</i> , 2014, 43, 155-167.	1.0	40
755	Hydrologic Modeling in a Small Mediterranean Basin as a Tool to Assess the Feasibility of a Limno-Reservoir. <i>Journal of Environmental Quality</i> , 2014, 43, 121-131.	1.0	22
756	Simulating Landscape Sediment Transport Capacity by Using a Modified SWAT Model. <i>Journal of Environmental Quality</i> , 2014, 43, 55-66.	1.0	60
757	Estimating regional greenhouse gas fluxes: an uncertainty analysis of planetary boundary layer techniques and bottom-up inventories. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10705-10719.	1.9	18
758	Multiobjective sensitivity analysis and optimization of distributed hydrologic model MOBIDIC. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4101-4112.	1.9	22
759	Attribution of climate change, vegetation restoration, and engineering measures to the reduction of suspended sediment in the Kejie catchment, southwest China. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1979-1994.	1.9	33
760	Mapping and Modelling Spatial Variation in Soil Salinity in the Al Hassa Oasis Based on Remote Sensing Indicators and Regression Techniques. <i>Remote Sensing</i> , 2014, 6, 1137-1157.	1.8	115
761	Quick and accurate Cellular Automata sewer simulator. <i>Journal of Hydroinformatics</i> , 2014, 16, 1359-1374.	1.1	18
762	Applications of the SWAT Model Special Section: Overview and Insights. <i>Journal of Environmental Quality</i> , 2014, 43, 1-8.	1.0	386
763	Modeling Water Quality to Improve Agricultural Practices and Land Management in a Tunisian Catchment Using the Soil and Water Assessment Tool. <i>Journal of Environmental Quality</i> , 2014, 43, 18-25.	1.0	34
764	Simulation Climate Change Impact on Runoff and Sediment Yield in a Small Watershed in the Basque Country, Northern Spain. <i>Journal of Environmental Quality</i> , 2014, 43, 235-245.	1.0	58

#	ARTICLE	IF	CITATIONS
765	Basin-scale performance of a semidistributed rainfall-runoff model for hydrological predictions and water resources assessment of large rivers: The Congo River. <i>Water Resources Research</i> , 2014, 50, 1174-1188.	1.7	65
766	Modeling Streamflow Dominated by Snowmelt in an Ungauged Basin in Northwestern China. , 2014, , .		0
767	Modelling soil water content variations under drought stress on soil column cropped with winter wheat. <i>Journal of Hydrology and Hydromechanics</i> , 2014, 62, 269-276.	0.7	3
768	Simulating Land Management Options to Reduce Nitrate Pollution in an Agricultural Watershed Dominated by an Alluvial Aquifer. <i>Journal of Environmental Quality</i> , 2014, 43, 67-74.	1.0	46
769	Comprehensive ecosystem modelâ€”data synthesis using multiple data sets at two temperate forest freeâ€”air CO ₂ enrichment experiments: Model performance at ambient CO ₂ concentration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 937-964.	1.3	95
770	Development and Testing of an Inâ€”stream Phosphorus Cycling Model for the Soil and Water Assessment Tool. <i>Journal of Environmental Quality</i> , 2014, 43, 215-223.	1.0	25
771	An integrated modeling framework for exploring flow regime and water quality changes with increasing biofuel crop production in the <sc>U.S.</sc> <sc>C</sc>orn <sc>B</sc>elt. <i>Water Resources Research</i> , 2014, 50, 9385-9404.	1.7	29
772	Prediction of sediment yield in an ungauged basin under the impact of cascade dam-reservoirs development. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014, 70, I_1-I_6.	0.0	0
773	Free internet datasets for streamflow modelling using SWAT in the Johor river basin, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 18, 012193.	0.2	1
774	Application of a Distributed Process-Based Hydrologic Model to Estimate the Effects of Forest Road Density on Stormflows in the Southern Appalachians. <i>Forest Science</i> , 2014, 60, 1213-1223.	0.5	8
775	Assessing SWAT's performance in the Kaskaskia River watershed as influenced by the number of calibration stations used. <i>Hydrological Processes</i> , 2014, 28, 676-687.	1.1	31
776	Comparison of radar and gauge precipitation data in watershed models across varying spatial and temporal scales. <i>Hydrological Processes</i> , 2014, 28, 3505-3520.	1.1	77
777	Sensitivity of Hydrological Outputs from SWAT to DEM Spatial Resolution. <i>Photogrammetric Engineering and Remote Sensing</i> , 2014, 80, 639-652.	0.3	9
778	Evaluating the ability of a hydrologic model to replicate hydroâ€”ecologically relevant indicators. <i>Hydrological Processes</i> , 2014, 28, 4294-4310.	1.1	43
779	Modelling inorganic nitrogen leaching in nested mesoscale catchments in central Germany. <i>Ecohydrology</i> , 2014, 7, 1345-1362.	1.1	30
780	Evaluation of Statistically Downscaled GCM Output as Input for Hydrological and Stream Temperature Simulation in the Apalachicolaâ€”Chattahoocheeâ€”Flint River Basin (1961â€”99). <i>Earth Interactions</i> , 2014, 18, 1-32.	0.7	13
781	Hydrological evaluation of the Noahâ€”MP land surface model for the Mississippi River Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 23-38.	1.2	151
782	Impact of droughts on water provision in managed alpine grasslands in two climatically different regions of the Alps. <i>Ecohydrology</i> , 2015, 8, 1600-1613.	1.1	37

#	ARTICLE	IF	CITATIONS
783	Model Validation Criteria for System Identification in Time Domain. IFAC-PapersOnLine, 2015, 48, 86-91.	0.5	11
784	The NHDPlus dataset, watershed subdivision and SWAT model performance. Hydrological Sciences Journal, 2015, 60, 1690-1708.	1.2	19
785	Discharge and water depth estimates for ungauged rivers: Combining hydrologic, hydraulic, and inverse modeling with stage and water area measurements from satellites. Water Resources Research, 2015, 51, 6017-6035.	1.7	45
786	Modeling Streamflow and Water Quality Sensitivity to Climate Change and Urban Development in 20 U.S. Watersheds. Journal of the American Water Resources Association, 2015, 51, 1321-1341.	1.0	47
787	Scenario tree reduction in stochastic programming with recourse for hydropower operations. Water Resources Research, 2015, 51, 6359-6380.	1.7	58
788	A global prediction of seafloor sediment porosity using machine learning. Geophysical Research Letters, 2015, 42, 10,640.	1.5	36
789	Simulation and classification of the impacts of projected climate change on flow regimes in the arid Hexi Corridor of Northwest China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7429-7453.	1.2	44
790	Impacts of climate change on nutrient losses from the Pike River watershed of southern Quebec. Canadian Journal of Soil Science, 2015, 95, 337-358.	0.5	10
791	Validation of finite water content vadose zone dynamics method using column experiments with a moving water table and applied surface flux. Water Resources Research, 2015, 51, 3108-3125.	1.7	14
792	Combining satellite precipitation and long-term ground observations for hydrological monitoring in China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6426-6443.	1.2	40
793	Simulation of upper Kuantan River basin streamflow using SWAT model. AIP Conference Proceedings, 2015, , .	0.3	1
794	Pulses of Podzolization: The Relative Importance of Spring Snowmelt, Summer Storms, and Fall Rains on Spodosol Development. Soil Science Society of America Journal, 2015, 79, 117-131.	1.2	31
795	Untangling the effects of shallow groundwater and soil texture as drivers of subfield-scale yield variability. Water Resources Research, 2015, 51, 6338-6358.	1.7	91
796	Assessment of climate change impacts in a semi-arid watershed in Iran using regional climate models. Journal of Water and Climate Change, 2015, 6, 161-180.	1.2	17
797	Leaching of Glyphosate and Aminomethylphosphonic Acid through Silty Clay Soil Columns under Outdoor Conditions. Journal of Environmental Quality, 2015, 44, 1667-1673.	1.0	15
798	Post-validation of SWAT model in a coastal watershed for predicting land use/cover change impacts. Hydrology Research, 2015, 46, 837-853.	1.1	22
799	Multicriteria evaluation of discharge simulation in Dynamic Global Vegetation Models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7488-7505.	1.2	25
800	Procedures to Simulate Missing Soil Parameters in the Florida Soils Characteristics Database. Soil Science Society of America Journal, 2015, 79, 165-174.	1.2	1

#	ARTICLE	IF	CITATIONS
801	Evaluation of hydrology, suspended sediment and Nickel loads in a small watershed in Basque Country (Northern Spain) using eco-hydrological SWAT model. <i>Annales De Limnologie</i> , 2015, 51, 59-70.	0.6	7
802	A Protocol for Parameterization and Calibration of RZWQM2 in Field Research. <i>Advances in Agricultural Systems Modeling</i> , 0, , 1-64.	0.3	30
803	Special Features of the EPIC and APEX Modeling Package and Procedures for Parameterization, Calibration, Validation, and Applications. <i>Advances in Agricultural Systems Modeling</i> , 0, , 177-208.	0.3	6
804	Modeling the impacts of climate change and future land use variation on microbial transport. <i>Journal of Water and Climate Change</i> , 2015, 6, 449-471.	1.2	8
805	Hydrologic and water quality impacts and biomass production potential on marginal land. <i>Environmental Modelling and Software</i> , 2015, 72, 230-238.	1.9	41
806	The importance of considering shifts in seasonal changes in discharges when predicting future phosphorus loads in streams. <i>Biogeochemistry</i> , 2015, 126, 153-172.	1.7	6
807	Dynamic Modelling of Land Use Change Impacts on Nitrate Loads in Rivers. <i>Environmental Processes</i> , 2015, 2, 575-592.	1.7	52
808	A fuzzy rule based metamodel for monthly catchment nitrate fate simulations. <i>Journal of Hydrology</i> , 2015, 531, 863-876.	2.3	5
809	Application of satellite-derived rainfall for hydrological modelling in the data-scarce Black Volta trans-boundary basin. <i>Hydrology Research</i> , 2015, 46, 777-791.	1.1	28
810	River ice cover influence on sediment transportation at present and under projected hydroclimatic conditions. <i>Hydrological Processes</i> , 2015, 29, 4738-4755.	1.1	21
811	Impact of model development, calibration and validation decisions on hydrological simulations in West Lake Erie Basin. <i>Hydrological Processes</i> , 2015, 29, 5307-5320.	1.1	111
812	Effects of Climate and Land Cover on Hydrology in the Southeastern U.S.: Potential Impacts on Watershed Planning. <i>Journal of the American Water Resources Association</i> , 2015, 51, 1235-1261.	1.0	34
813	Climate Change Impacts and Uncertainties on Spring Flooding of Lake Champlain and the Richelieu River. <i>Journal of the American Water Resources Association</i> , 2015, 51, 776-793.	1.0	21
814	A hybrid model for river water temperature as a function of air temperature and discharge. <i>Environmental Research Letters</i> , 2015, 10, 114011.	2.2	113
815	Assessing uncertainties in surface water security: An empirical multimodel approach. <i>Water Resources Research</i> , 2015, 51, 9013-9028.	1.7	14
816	Climate Change Impacts on Flow, Sediment and Nutrient Export in a Great Lakes Watershed Using SWAT. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1464-1474.	0.7	50
817	Development of a grid-based version of the SWAT landscape model. <i>Hydrological Processes</i> , 2015, 29, 900-914.	1.1	68
818	Groundwater Recharge and Capillary Rise in Irrigated Areas of the Upper Yellow River Basin Assessed by an Agro-hydrological Model. <i>Irrigation and Drainage</i> , 2015, 64, 587-599.	0.8	40

#	ARTICLE	IF	CITATIONS
819	Using SWAT to simulate streamflow in Huifa River basin with ground and Fengyun precipitation data. Journal of Hydroinformatics, 2015, 17, 834-844.	1.1	5
820	Oxygen dynamics in a boreal lake responds to long-term changes in climate, ice phenology, and DOC inputs. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2441-2456.	1.3	65
821	Predicting glacial hydrologic change in the headwaters of the Zongo River, Cordillera Real, Bolivia. Water Resources Research, 2015, 51, 9029-9052.	1.7	28
822	EFFECTS OF CURRENT ON SEDIMENT TRANSPORT AT DINH AN ESTUARY, MEKONG RIVER, VIETNAM. Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering), 2015, 71, 1_790-1_795.	0.0	2
823	Impacts of different spatial temperature interpolation methods on snowmelt simulations. Hydrological Research Letters, 2015, 9, 27-34.	0.3	4
824	Isotope-based Fluviol organic Carbon (i>ISOFLOC) Model: Model formulation, sensitivity, and evaluation. Water Resources Research, 2015, 51, 4046-4064.	1.7	18
825	A MULTI-CLASS MODEL TO SIMULATE TRANSPORT OF SOIL PARTICLES IN A CATCHMENT AFFECTED BY RADIOCESIUM DEPOSITION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2015, 71, 1_109-1_114.	0.0	0
826	Strategy to automatically calibrate parameters of a hydrological model: a multi-step optimization scheme and its application to the Xinanjiang model. Hydrological Research Letters, 2015, 9, 69-74.	0.3	6
827	Rangeland hydrology and erosion model (RHEM) enhancements for applications on disturbed rangelands. Hydrological Processes, 2015, 29, 445-457.	1.1	31
828	Improving soil moisture accounting and streamflow prediction in SWAT by incorporating a modified time-dependent Curve Number method. Hydrological Processes, 2016, 30, 603-624.	1.1	15
829	Numerical modeling of water balance for temporary landfill cover in North Germany. Journal of Plant Nutrition and Soil Science, 2015, 178, 401-412.	1.1	17
830	Artificial neural networks in proglacial discharge simulation: application and efficiency analysis in comparison to the multivariate regression; a case study of waldemar river (svalbard). Geografiska Annaler, Series A: Physical Geography, 2015, 97, 489-506.	0.6	7
831	1D/2D Modeling of Decentralized Stormwater Control Measures for Flood Mitigation in Austin, Texas. , 2015, , .		0
832	Basin-scale runoff prediction: An Ensemble Kalman Filter framework based on global hydrometeorological data sets. Water Resources Research, 2015, 51, 8450-8475.	1.7	23
833	Impact of the numbers of observations and calibration parameters on equifinality, model performance, and output and parameter uncertainty. Hydrological Processes, 2015, 29, 4220-4237.	1.1	99
834	Assessing the effects of precipitation and temperature changes on hydrological processes in a glacier-dominated catchment. Hydrological Processes, 2015, 29, 4830-4845.	1.1	28
835	Global Warming Effects on Faecal Coliform Bacterium Watershed Impairments in Portugal. River Research and Applications, 2015, 31, 1344-1353.	0.7	14
836	Investigations of uncertainty in SWAT hydrologic simulations: a case study of a Canadian Shield catchment. Hydrological Processes, 2015, 29, 4000-4017.	1.1	28

#	ARTICLE	IF	CITATIONS
837	Impact of projected climate change on the hydrology in the headwaters of the Yellow River basin. <i>Hydrological Processes</i> , 2015, 29, 4379-4397.	1.1	69
838	Forecasting Groundwater Temperature with Linear Regression Models Using Historical Data. <i>Ground Water</i> , 2015, 53, 943-954.	0.7	24
839	Sensitivity-Based Calibration of the Soil and Water Assessment Tool for Hydrologic Cycle Simulation in the Cong Watershed, Vietnam. <i>Water Environment Research</i> , 2015, 87, 735-750.	1.3	4
840	Evaluation of Three Models for Simulating Pesticide Runoff from Irrigated Agricultural Fields. <i>Journal of Environmental Quality</i> , 2015, 44, 1809-1820.	1.0	8
841	Including the dynamic relationship between climatic variables and leaf area index in a hydrological model to improve streamflow prediction under a changing climate. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2821-2836.	1.9	20
842	Long-Term Agroecosystem Research in the Central Mississippi River Basin: SWAT Simulation of Flow and Water Quality in the Goodwater Creek Experimental Watershed. <i>Journal of Environmental Quality</i> , 2015, 44, 84-96.	1.0	33
843	Monitoring strategies of stream phosphorus under contrasting climate-driven flow regimes. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4099-4111.	1.9	24
844	Validation of a Locally Revised Topographic Index in Central New Jersey, USA. <i>Water (Switzerland)</i> , 2015, 7, 6616-6633.	1.2	4
845	Assessment of land use/cover impacts on runoff and sediment yield using hydrologic models: A review. <i>Journal of Ecology and the Natural Environment</i> , 2015, 7, 46-55.	0.2	18
846	SIMULATION OF RICE YIELD UNDER WATER AND SALINITY STRESS IN RASHT AREA USING AQUACROP MODEL. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.3	2
847	Development of a Tool to Predict Soil Moisture and Soil Temperature Regimes. <i>Soil Horizons</i> , 2015, 56, 1-11.	0.3	1
848	How to predict hydrological effects of local land use change: how the vegetation parameterisation for short rotation coppices influences model results. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3457-3474.	1.9	7
849	Hydrological drought forecasting and skill assessment for the Limpopo River basin, southern Africa. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1695-1711.	1.9	66
850	Discharge Alterations of the Mures River, Romania under Ensembles of Future Climate Projections and Sequential Threats to Aquatic Ecosystem by the End of the Century. <i>Water (Switzerland)</i> , 2015, 7, 2753-2770.	1.2	10
851	A Model Selection Procedure for Stream Re-Aeration Coefficient Modelling. <i>Modern Applied Science</i> , 2015, 9, .	0.4	1
852	Downscaling Advanced Microwave Scanning Radiometer (AMSR-E) Soil Moisture Retrievals Using a Multiple Time-Scale Exponential Rainfall Adjustment Technique. <i>Journal of Geophysics & Remote Sensing</i> , 2015, 04, .	0.4	0
853	Evapotranspiration simulated by CRITERIA and AquaCrop models in stony soils. <i>Italian Journal of Agronomy</i> , 2015, 10, 67.	0.4	1
854	Importancia de la velocidad de onda de corte y del período predominante para la evaluación de la respuesta de sitio en Santiago. <i>Obras Y Proyectos</i> , 2015, , 61-67.	0.2	2

#	ARTICLE	IF	CITATIONS
855	Swath-altimetry measurements of the main stem Amazon River: measurement errors and hydraulic implications. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1943-1959.	1.9	4
856	Using AnnAGNPS to Predict the Effects of Tile Drainage Control on Nutrient and Sediment Loads for a River Basin. <i>Journal of Environmental Quality</i> , 2015, 44, 629-641.	1.0	17
857	GlobWat – a global water balance model to assess water use in irrigated agriculture. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3829-3844.	1.9	70
858	Effects of hydrologic conditions on SWAT model performance and parameter sensitivity for a small, mixed land use catchment in New Zealand. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4127-4147.	1.9	63
859	Long-Term Impacts of Bacteria-Sediment Interactions in Watershed-Scale Microbial Fate and Transport Modeling. <i>Journal of Environmental Quality</i> , 2015, 44, 1483-1490.	1.0	10
860	CO ₂ fluxes and ecosystem dynamics at five European treeless peatlands – merging data and process oriented modeling. <i>Biogeosciences</i> , 2015, 12, 125-146.	1.3	27
861	The greenhouse gas balance of a drained fen peatland is mainly controlled by land-use rather than soil organic carbon content. <i>Biogeosciences</i> , 2015, 12, 5161-5184.	1.3	38
862	Hydrologic Modeling to Evaluate the Impact of Hydraulic Fracturing on Stream Low Flows: Challenges and Opportunities for a Simulation Study. <i>American Journal of Environmental Sciences</i> , 2015, 11, 199-215.	0.3	8
863	Effects of Land Cover on Streamflow Variability in a Small Iowa Watershed: Assessing Future Vulnerabilities. <i>American Journal of Environmental Sciences</i> , 2015, 11, 186-198.	0.3	7
864	Assessing the simple dynamical systems approach in a Mediterranean context: application to the Ardèche catchment (France). <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2427-2449.	1.9	20
865	Identifying Nutrient Contributors in North Carolina's Coastal Plain Blackwater Rivers. <i>American Journal of Environmental Sciences</i> , 2015, 11, 313-324.	0.3	3
866	Evaluation of Alternative Cropping and Nutrient Management Systems with Soil and Water Assessment Tool for the Raccoon River Watershed Master Plan. <i>American Journal of Environmental Sciences</i> , 2015, 11, 227-244.	0.3	6
867	Automatic Calibration Tool for Hydrologic Simulation Program-FORTRAN Using a Shuffled Complex Evolution Algorithm. <i>Water (Switzerland)</i> , 2015, 7, 503-527.	1.2	41
868	Comparison of Water Flows in Four European Lagoon Catchments under a Set of Future Climate Scenarios. <i>Water (Switzerland)</i> , 2015, 7, 716-746.	1.2	7
869	Improvement of Hydrological Simulations by Applying Daily Precipitation Interpolation Schemes in Meso-Scale Catchments. <i>Water (Switzerland)</i> , 2015, 7, 747-779.	1.2	33
870	Spatial Quantification of Non-Point Source Pollution in a Meso-Scale Catchment for an Assessment of Buffer Zones Efficiency. <i>Water (Switzerland)</i> , 2015, 7, 1889-1920.	1.2	19
871	A Heuristic Dynamically Dimensioned Search with Sensitivity Information (HDDS-S) and Application to River Basin Management. <i>Water (Switzerland)</i> , 2015, 7, 2214-2238.	1.2	6
872	Climate or Land Use? Attribution of Changes in River Flooding in the Sahel Zone. <i>Water (Switzerland)</i> , 2015, 7, 2796-2820.	1.2	54

#	ARTICLE	IF	CITATIONS
873	Large-Scale Hydrological Modeling and Decision-Making for Agricultural Water Consumption and Allocation in the Main Stem Tarim River, China. <i>Water (Switzerland)</i> , 2015, 7, 2821-2839.	1.2	32
874	Application of the Entropy Method to Select Calibration Sites for Hydrological Modeling. <i>Water (Switzerland)</i> , 2015, 7, 6719-6735.	1.2	7
875	On Approaches to Analyze the Sensitivity of Simulated Hydrologic Fluxes to Model Parameters in the Community Land Model. <i>Water (Switzerland)</i> , 2015, 7, 6810-6826.	1.2	3
876	Comparative Studies of Different Imputation Methods for Recovering Streamflow Observation. <i>Water (Switzerland)</i> , 2015, 7, 6847-6860.	1.2	35
877	Assessment on Hydrologic Response by Climate Change in the Chao Phraya River Basin, Thailand. <i>Water (Switzerland)</i> , 2015, 7, 6892-6909.	1.2	36
878	Spatial random downscaling of rainfall signals in Andean heterogeneous terrain. <i>Nonlinear Processes in Geophysics</i> , 2015, 22, 383-402.	0.6	11
879	Towards ecosystem accounting: a comprehensive approach to modelling multiple hydrological ecosystem services. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4377-4396.	1.9	39
880	Impacts of Forest Fires and Climate Variability on the Hydrology of an Alpine Medium Sized Catchment in the Canadian Rocky Mountains. <i>Hydrology</i> , 2015, 2, 23-47.	1.3	8
881	Assessment and Comparison of TMPA Satellite Precipitation Products in Varying Climatic and Topographic Regimes in Morocco. <i>Remote Sensing</i> , 2015, 7, 5697-5717.	1.8	105
882	SEBAL-A: A Remote Sensing ET Algorithm that Accounts for Advection with Limited Data. Part I: Development and Validation. <i>Remote Sensing</i> , 2015, 7, 15046-15067.	1.8	33
883	SEBAL-A: A Remote Sensing ET Algorithm that Accounts for Advection with Limited Data. Part II: Test for Transferability. <i>Remote Sensing</i> , 2015, 7, 15068-15081.	1.8	7
884	Predicting Grapevine Water Status Based on Hyperspectral Reflectance Vegetation Indices. <i>Remote Sensing</i> , 2015, 7, 16460-16479.	1.8	51
885	Parametric Assessment of Water Use Vulnerability Variations Using SWAT and Fuzzy TOPSIS Coupled with Entropy. <i>Sustainability</i> , 2015, 7, 12052-12070.	1.6	11
886	Model Validation Criteria for System Identification in Time Domain. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2015, 51, 736-743.	0.1	0
887	How Do Changes to the Railroad Causeway in Utah's Great Salt Lake Affect Water and Salt Flow?. <i>PLoS ONE</i> , 2015, 10, e0144111.	1.1	21
888	SPOTting Model Parameters Using a Ready-Made Python Package. <i>PLoS ONE</i> , 2015, 10, e0145180.	1.1	118
889	A decision support system (GesCoN) for managing fertigation in vegetable crops. Part II: model calibration and validation under different environmental growing conditions on field grown tomato. <i>Frontiers in Plant Science</i> , 2015, 6, 495.	1.7	23
890	Circular Planting to Enhance Rainfall Capture in Dryland Cropping Systems at a Landscape Scale: Measurement and Simulation. <i>Advances in Agricultural Systems Modeling</i> , 0, , 85-111.	0.3	6

#	ARTICLE	IF	CITATIONS
891	Avaliação do TOPMODEL na estimativa do escoamento superficial em microbacia hidrográfica em diferentes usos. Revista Brasileira De Engenharia Agrícola E Ambiental, 2015, 19, 489-496.	0.4	4
892	Hydrological Processes and Model Representation: Impact of Soft Data on Calibration. Transactions of the ASABE, 2015, 58, 1637-1660.	1.1	130
893	A Cumulative Rainfall Function for Subhourly Design Storm in Mediterranean Urban Areas. Advances in Meteorology, 2015, 2015, 1-10.	0.6	24
894	Climate Change Impact on the Hydrology of a Typical Watershed in the Tianshan Mountains. Advances in Meteorology, 2015, 2015, 1-10.	0.6	17
895	Hydrologic Responses to Land Use Change in the Loess Plateau: Case Study in the Upper Fenhe River Watershed. Advances in Meteorology, 2015, 2015, 1-10.	0.6	13
896	Simulating the Fate of Fall- and Spring-Applied Poultry Litter Nitrogen in Corn Production. Soil Science Society of America Journal, 2015, 79, 1804-1814.	1.2	15
897	Climate change and its impacts on river discharge in two climate regions in China. Hydrology and Earth System Sciences, 2015, 19, 4609-4618.	1.9	17
898	Modeling the Projected Changes of River Flow in Central Vietnam under Different Climate Change Scenarios. Water (Switzerland), 2015, 7, 3579-3598.	1.2	15
899	ASSESSMENT OF PROPAGATION CHARACTERISTICS FOR TSUNAMI WAVE ASCENDING RIVER. Coastal Engineering Proceedings, 2015, 1, 19.	0.1	2
900	Stream Dynamics and Chemical Transformations Control the Environmental Fate of Silver and Zinc Oxide Nanoparticles in a Watershed-Scale Model. Environmental Science & Technology, 2015, 49, 7285-7293.	4.6	88
901	Evaluation of the Current State of Distributed Watershed Nutrient Water Quality Modeling. Environmental Science & Technology, 2015, 49, 3278-3290.	4.6	167
902	Predicting the impact of management practices on river water quality using SWAT in an agricultural watershed. Desalination and Water Treatment, 2015, 54, 2396-2409.	1.0	10
903	Assessment of geo-hazards in a rapidly changing landscape: the three Gorges Reservoir Region in China. Environmental Earth Sciences, 2015, 74, 4939-4960.	1.3	12
904	Simulation of hydrological processes and effects of engineering projects on the Karkheh River Basin and its wetland using SWAT2009. Quaternary International, 2015, 374, 144-153.	0.7	12
906	Analysing the effect of particle size on the disintegration of distiller's spent grain compacts while drying in superheated steam medium. Biosystems Engineering, 2015, 134, 105-116.	1.9	4
907	Analyses of landuse change impacts on catchment runoff using different time indicators based on SWAT model. Ecological Indicators, 2015, 58, 55-63.	2.6	152
909	Surface energy flux measurements in a flooded and an aerobic rice field using a single eddy-covariance system. Paddy and Water Environment, 2015, 13, 405-424.	1.0	25
910	Climate change influence on runoff and soil losses in a rainfed basin with Mediterranean climate. Natural Hazards, 2015, 78, 1065-1089.	1.6	18

#	ARTICLE	IF	CITATIONS
911	Quantifying Changes in Reconnaissance Drought Index using Equiprobability Transformation Function. <i>Water Resources Management</i> , 2015, 29, 2451-2469.	1.9	14
912	Identification and management of critical erosion watersheds for improving reservoir life using hydrological modeling. <i>Sustainable Water Resources Management</i> , 2015, 1, 57-70.	1.0	8
913	Modification of a fire drought index for tropical wetland ecosystems by including water table depth. <i>Agricultural and Forest Meteorology</i> , 2015, 203, 1-10.	1.9	41
914	Calibration of Horizontal Acoustic Doppler Current profilers by three dimensional CFD simulations. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2015, 9, 41-49.	1.5	5
915	Parameter uncertainty analysis for simulating streamflow in a river catchment of Vietnam. <i>Global Ecology and Conservation</i> , 2015, 4, 538-548.	1.0	80
916	Patterns of runoff and sediment production in response to land-use changes in an ungauged Mediterranean catchment. <i>Journal of Hydrology</i> , 2015, 531, 1054-1066.	2.3	33
917	Simulating and evaluating best management practices for integrated landscape management scenarios in biofuel feedstock production. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 709-721.	1.9	18
918	Temporal evolution of biochar's impact on soil nitrogen processes – a ¹⁵ N tracing study. <i>GCB Bioenergy</i> , 2015, 7, 635-645.	2.5	71
919	Hydrological predictions for small ungauged watersheds in the Sudanian zone of the Volta basin in West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 386-397.	1.0	41
920	Water quantity implications of regional-scale switchgrass production in the southeastern U.S.. <i>Biomass and Bioenergy</i> , 2015, 83, 50-59.	2.9	5
921	Long-Term Hydrologic Trends in the Main Greek Rivers: A Statistical Approach. <i>Handbook of Environmental Chemistry</i> , 2015, , 129-165.	0.2	4
922	Projecting streamflow in the Tangwang River basin (China) using a rainfall generator and two hydrological models. <i>Climate Research</i> , 2015, 62, 79-97.	0.4	13
923	Evaluation of the Global Land Data Assimilation System (GLDAS) Air Temperature Data Products. <i>Journal of Hydrometeorology</i> , 2015, 16, 2463-2480.	0.7	55
924	Assessing the effect of climate change on carbon sequestration in a Mexican dry forest in the Yucatan Peninsula. <i>Ecological Complexity</i> , 2015, 24, 46-56.	1.4	18
925	Hydrological modeling of the Simly Dam watershed (Pakistan) using GIS and SWAT model. <i>AEJ - Alexandria Engineering Journal</i> , 2015, 54, 583-594.	3.4	106
927	Modeling the impacts of urbanization on lake water level using L-THIA. <i>Urban Climate</i> , 2015, 14, 578-585.	2.4	10
928	Assessing the impact of drought and forestry on streamflows in south-eastern Australia using a physically based hydrological model. <i>Environmental Earth Sciences</i> , 2015, 74, 6047-6063.	1.3	38
929	Forecasting traffic-related nitrogen oxides within a street canyon by combining a genetic algorithm-back propagation artificial neural network and parametric models. <i>Atmospheric Pollution Research</i> , 2015, 6, 1087-1097.	1.8	7

#	ARTICLE	IF	CITATIONS
930	Statistical downscaling of monthly reservoir inflows for Kemer watershed in Turkey: use of machine learning methods, multiple GCMs and emission scenarios. <i>International Journal of Climatology</i> , 2015, 35, 3274-3295.	1.5	44
931	Present and future of urban water balance in the rapidly urbanizing Heihe River Basin, Northwest China. <i>Ecological Modelling</i> , 2015, 318, 254-264.	1.2	37
932	Dynamics of land use and land cover and its effects on hydrologic responses: case study of the Gilgel Tekeze catchment in the highlands of Northern Ethiopia. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 4090.	1.3	44
933	Accuracy, robustness and behavior of the STICS soil-crop model for plant, water and nitrogen outputs: Evaluation over a wide range of agro-environmental conditions in France. <i>Environmental Modelling and Software</i> , 2015, 64, 177-190.	1.9	147
934	Pathogen transport and fate modeling in the Upper Salem River Watershed using SWAT model. <i>Journal of Environmental Management</i> , 2015, 151, 167-177.	3.8	32
935	Hydrologic Modelling of Data Scarce Basin with SWAT Model: Capabilities and Limitations. <i>Water Resources Management</i> , 2015, 29, 81-94.	1.9	61
936	Ecohydrological model parameter selection for stream health evaluation. <i>Science of the Total Environment</i> , 2015, 511, 341-353.	3.9	29
937	Groundwater conceptualization and modeling using distributed SWAT-based recharge for the semi-arid agricultural Neishaboor plain, Iran. <i>Hydrogeology Journal</i> , 2015, 23, 47-68.	0.9	58
938	Calibration of SWAT model for woody plant encroachment using paired experimental watershed data. <i>Journal of Hydrology</i> , 2015, 523, 231-239.	2.3	38
939	Trade-offs between midstream agricultural production and downstream ecological sustainability in the Heihe River basin in the past half century. <i>Agricultural Water Management</i> , 2015, 152, 233-242.	2.4	45
940	Estimating Sediment Yield from Upland and Channel Erosion at A Watershed Scale Using SWAT. <i>Water Resources Management</i> , 2015, 29, 1399-1412.	1.9	34
941	A mass-conservative finite volume predictor-corrector solution of the 1D Richards equation. <i>Journal of Hydrology</i> , 2015, 523, 119-127.	2.3	33
942	On-Off Mobilization of Contaminants in Soils during Redox Oscillations. <i>Environmental Science & Technology</i> , 2015, 49, 3015-3023.	4.6	66
943	Water use by a groundwater dependent maize in a semi-arid region of Inner Mongolia: Evapotranspiration partitioning and capillary rise. <i>Agricultural Water Management</i> , 2015, 152, 222-232.	2.4	45
944	Effects of projected climate change on the glacier and runoff generation in the Naryn River Basin, Central Asia. <i>Journal of Hydrology</i> , 2015, 523, 240-251.	2.3	94
945	Comprehensive hydrologic calibration of SWAT and water balance analysis in mountainous watersheds in northwest China. <i>Physics and Chemistry of the Earth</i> , 2015, 79-82, 76-85.	1.2	32
946	Identifying critical nitrogen application rate for maize yield and nitrate leaching in a Haplic Luvisol soil using the DNDC model. <i>Science of the Total Environment</i> , 2015, 514, 388-398.	3.9	74
947	Catchment response to bark beetle outbreak and dust-on-snow in the Colorado Rocky Mountains. <i>Journal of Hydrology</i> , 2015, 523, 196-210.	2.3	58

#	ARTICLE	IF	CITATIONS
948	Improved calibration scheme of SWAT by separating wet and dry seasons. <i>Ecological Modelling</i> , 2015, 301, 54-61.	1.2	103
949	Using SWAT to determine reference nutrient conditions for small and large streams. <i>Journal of Great Lakes Research</i> , 2015, 41, 123-135.	0.8	12
950	Assessing the significance of wetland restoration scenarios on sediment mitigation plan. <i>Ecological Engineering</i> , 2015, 77, 103-113.	1.6	18
951	Integrating hydrological features and genetically validated occurrence data in occupancy modelling of an endemic and endangered semi-aquatic mammal, <i>Galemys pyrenaicus</i> , in a Pyrenean catchment. <i>Biological Conservation</i> , 2015, 184, 182-192.	1.9	19
952	Can ash control infiltration rate after burning? An example in burned calcareous and gypseous soils in the Ebro Basin (NE Spain). <i>Catena</i> , 2015, 135, 377-382.	2.2	8
953	Accounting for Conceptual Soil Erosion and Sediment Yield Modeling Uncertainty in the APEX Model Using Bayesian Model Averaging. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	10
954	Quantifying the impact of urban area expansion on groundwater recharge and surface runoff. <i>Hydrological Sciences Journal</i> , 0, , 150527103244004.	1.2	22
955	An integrated crop and hydrologic modeling system to estimate hydrologic impacts of crop irrigation demands. <i>Environmental Modelling and Software</i> , 2015, 72, 341-355.	1.9	43
956	A comparison of hydrologic models for ecological flows and water availability. <i>Ecohydrology</i> , 2015, 8, 1525-1546.	1.1	62
957	Climate change and irrigation demand: Uncertainty and adaptation. <i>Journal of Hydrology: Regional Studies</i> , 2015, 3, 247-264.	1.0	65
958	Wavelet Analysis-Support Vector Machine Coupled Models for Monthly Rainfall Forecasting in Arid Regions. <i>Water Resources Management</i> , 2015, 29, 1049-1065.	1.9	58
959	Online monitoring and control of particle size in the grinding process using least square support vector regression and resilient back propagation neural network. <i>ISA Transactions</i> , 2015, 56, 206-221.	3.1	42
960	Modeling of sediment yield in Maybar gauged watershed using SWAT, northeast Ethiopia. <i>Catena</i> , 2015, 127, 191-205.	2.2	125
961	Application of the WEPP model to determine sources of run-off and sediment in a forested watershed. <i>Hydrological Processes</i> , 2015, 29, 481-497.	1.1	20
962	Evaluating the suitability of TRMM satellite rainfall data for hydrological simulation using a distributed hydrological model in the Weihe River catchment in China. <i>Journal of Chinese Geography</i> , 2015, 25, 177-195.	1.5	47
963	Assessment of streamflow and catchment water balance sensitivity to climate change for the Yass River catchment in south-eastern Australia. <i>Environmental Earth Sciences</i> , 2015, 73, 6229-6242.	1.3	5
964	Field measurements for evaluating the RZWQM and PESTFADE models for the tropical zone of Thailand. <i>Journal of Environmental Management</i> , 2015, 147, 286-296.	3.8	4
965	Assessing the impacts of climate change on water quantity and quality modelling in small Slovenian Mediterranean catchment - lesson for policy and decision makers. <i>Hydrological Processes</i> , 2015, 29, 3124-3144.	1.1	36

#	ARTICLE	IF	CITATIONS
966	Quantifying the economic importance of irrigation water reuse in a Chilean watershed using an integrated agent-based model. <i>Water Resources Research</i> , 2015, 51, 648-668.	1.7	29
967	Evaluating the Arc-SWAT2009 in predicting runoff, sediment, and nutrient yields from a vineyard and an olive orchard in Central Italy. <i>Agricultural Water Management</i> , 2015, 153, 51-62.	2.4	17
968	Quantification of Soil Moisture Effects on Runoff Formation at the Hillslope Scale. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, .	0.6	16
969	Comparative analysis of two infiltration models for application in a physically based overland flow model. <i>Environmental Earth Sciences</i> , 2015, 74, 1579-1587.	1.3	9
970	The impact of considering uncertainty in measured calibration/validation data during auto-calibration of hydrologic and water quality models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1891-1901.	1.9	14
971	Evaluation of acidity estimation methods for mine drainage, Pennsylvania, USA. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 4095.	1.3	5
972	Soil water content, runoff and soil loss prediction in a small ungauged agricultural basin in the Mediterranean region using the Soil and Water Assessment Tool. <i>Journal of Agricultural Science</i> , 2015, 153, 481-496.	0.6	20
973	Critical Erosion Area Identification Based on Hydrological Response Unit Level for Effective Sedimentation Control in a River Basin. <i>Water Resources Management</i> , 2015, 29, 1749-1765.	1.9	27
974	Estimates of Biomass Yield for Perennial Bioenergy Grasses in the USA. <i>Bioenergy Research</i> , 2015, 8, 688-715.	2.2	33
975	Simulation of the Streamflow for the Rio Nuevo Watershed of Jamaica for Use in Agriculture Water Scarcity Planning. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, .	0.6	6
976	Influences of setting sizes and combination of green infrastructures on community's stormwater runoff reduction. <i>Ecological Modelling</i> , 2015, 318, 236-244.	1.2	46
977	A Dynamical Climate Model-Driven Hydrologic Prediction System for the Fraser River, Canada. <i>Journal of Hydrometeorology</i> , 2015, 16, 1273-1292.	0.7	11
978	The combined effects of fertilizer reduction on high risk areas and increased fertilization on low risk areas, investigated using the SWAT model for a Danish catchment. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015, 65, 217-227.	0.3	7
979	Comparing expert judgement and numerical criteria for hydrograph evaluation. <i>Hydrological Sciences Journal</i> , 2015, 60, 402-423.	1.2	46
980	Application of a calibrated/validated Agricultural Policy/Environmental eXtender model to assess sediment and nutrient delivery from the Wildcat Creek Mississippi River Basin Initiative-Cooperative Conservation Partnership Initiative. <i>Journal of Soils and Water Conservation</i> , 2015, 70, 23-35.	0.8	3
981	Exploratory analyses for the assessment of climate change impacts on the energy production in an Amazon run-of-river hydropower plant. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 41-59.	1.0	51
982	Determination of spatially differentiated water balance components including groundwater recharge on the Federal State level - A case study using the mGROWA model in North Rhine-Westphalia (Germany). <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 294-312.	1.0	33
983	Selecting model scenarios of real hydrodynamic forcings on mesotidal and macrotidal estuaries influenced by river discharges using K-means clustering. <i>Environmental Modelling and Software</i> , 2015, 68, 70-82.	1.9	21

#	ARTICLE	IF	CITATIONS
984	Reconstructing historical changes in phosphorus inputs to rivers from point and nonpoint sources in a rapidly developing watershed in eastern China, 1980â€“2010. <i>Science of the Total Environment</i> , 2015, 533, 196-204.	3.9	25
985	Simulated impacts of climate change and agricultural land use change on surface water quality with and without adaptation management strategies. <i>Agriculture, Ecosystems and Environment</i> , 2015, 213, 47-60.	2.5	48
986	Effect of irrigation water withdrawals on water and energy balance in the Mekong River Basin using an improved VIC land surface model with fewer calibration parameters. <i>Agricultural Water Management</i> , 2015, 159, 92-106.	2.4	48
987	Understanding the DayCent model: Calibration, sensitivity, and identifiability through inverse modeling. <i>Environmental Modelling and Software</i> , 2015, 66, 110-130.	1.9	77
988	Modeling denitrification in an agricultural catchment in Central New York. <i>Sustainability of Water Quality and Ecology</i> , 2015, 5, 49-63.	2.0	2
989	Quantitative attribution of major driving forces on soil organic carbon dynamics. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 21-34.	1.3	15
990	Impacts of DEM resolution, source, and resampling technique on SWAT-simulated streamflow. <i>Applied Geography</i> , 2015, 63, 357-368.	1.7	113
991	Calibrating RZWQM2 model using quantum-behaved particle swarm optimization algorithm. <i>Computers and Electronics in Agriculture</i> , 2015, 113, 72-80.	3.7	13
992	Combined PEST and Trialâ€™Error approach to improve APEX calibration. <i>Computers and Electronics in Agriculture</i> , 2015, 114, 296-303.	3.7	22
993	Uncertainty of runoff projections under changing climate in Wami River sub-basin. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 333-348.	1.0	20
994	Integration of an energy balance snowmelt model into an open source modeling framework. <i>Environmental Modelling and Software</i> , 2015, 68, 205-218.	1.9	10
995	Mountain-river runoff components and their role in the seasonal development of desert-oases in northwest China. <i>Journal of Arid Environments</i> , 2015, 122, 1-15.	1.2	9
996	Effect of baseline meteorological data selection on hydrological modelling of climate change scenarios. <i>Journal of Hydrology</i> , 2015, 528, 631-642.	2.3	26
997	Modeling the effects of climate change on water, sediment, and nutrient yields from the Maumee River watershed. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 762-775.	1.0	66
998	Geographically isolated wetlands and watershed hydrology: A modified model analysis. <i>Journal of Hydrology</i> , 2015, 529, 240-256.	2.3	82
999	Uncertainty based modeling of rainfall-runoff: Combined differential evolution adaptive Metropolis (DREAM) and K-means clustering. <i>Advances in Water Resources</i> , 2015, 83, 405-420.	1.7	43
1000	A comparison of two infiltration models applied to simulation of overland flow over a two-dimensional flume. <i>Water Science and Technology</i> , 2015, 71, 1325-1332.	1.2	7
1001	An assessment of irrigation practices: Sprinkler irrigation of winter wheat in the North China Plain. <i>Agricultural Water Management</i> , 2015, 159, 197-208.	2.4	40

#	ARTICLE	IF	CITATIONS
1002	Validation of the AquaCrop model for irrigated rice production under varied water regimes in Bangladesh. <i>Agricultural Water Management</i> , 2015, 159, 331-340.	2.4	52
1003	Modelling of Seasonal Evapotranspiration from an Agricultural Field Using the Canadian Land Surface Scheme (CLASS) with a Pedotransfer Rule and Multicriteria Optimization. <i>Atmosphere - Ocean</i> , 2015, 53, 161-175.	0.6	4
1004	Effect of channel shape on selection of time marching scheme in the discontinuous Galerkin method for 1-D open channel flow. <i>Journal of Hydrodynamics</i> , 2015, 27, 413-426.	1.3	6
1005	The effect of year-to-year variability of leaf area index on Variable Infiltration Capacity model performance and simulation of runoff. <i>Advances in Water Resources</i> , 2015, 83, 310-322.	1.7	46
1006	Soft computing applied to stem water potential estimation: A fuzzy rule based approach. <i>Computers and Electronics in Agriculture</i> , 2015, 115, 150-160.	3.7	20
1007	Evaluation of a GIS-Based Watershed Model for Streamflow and Sediment-Yield Simulation in the Upper Baitarani River Basin of Eastern India. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	13
1008	Modeling Surface Soil Erosion and Sediment Transport Processes in the Upper North Bosque River Watershed, Texas. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	10
1009	Response of hydrological processes to land use change and climate variability in the upper Naoli River watershed, northeast China. <i>Water Resources</i> , 2015, 42, 438-447.	0.3	9
1010	Evaluating the impacts of climate change and crop land use change on streamflow, nitrates and phosphorus: A modeling study in Bavaria. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 60-90.	1.0	74
1011	Validation of a Decision Support System for Improving Irrigation System Performance. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 04014067.	0.6	4
1012	Modelling mid-span water table depth and drainage discharge dynamics using DRAINMOD 6.1 in a sugarcane field in Pongola, South Africa. <i>Water S A</i> , 2015, 41, 325.	0.2	7
1013	Effects of tile drainage repair on nutrient leaching from a field under ordinary cultivation in Sweden. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015, 65, 228-238.	0.3	2
1014	Modeling malt barley water use and evapotranspiration partitioning in two contrasting rainfall years. Assessing AquaCrop and SIMDualKc models. <i>Agricultural Water Management</i> , 2015, 159, 239-254.	2.4	81
1015	Climate change impact assessment on water inflow to a coastal lagoon: the Ria de Aveiro watershed, Portugal. <i>Hydrological Sciences Journal</i> , 0, , 1-20.	1.2	13
1016	A methodology for evaluating evapotranspiration estimates at the watershed-scale using GRACE. <i>Journal of Hydrology</i> , 2015, 523, 574-586.	2.3	56
1017	A refined regional modeling approach for the Corn Belt “ Experiences and recommendations for large-scale integrated modeling. <i>Journal of Hydrology</i> , 2015, 524, 348-366.	2.3	48
1018	Integrating statistical and hydrological models to identify implementation sites for agricultural conservation practices. <i>Environmental Modelling and Software</i> , 2015, 72, 327-340.	1.9	16
1019	Estimating the gross nitrogen budget under soil nitrogen stock changes: A case study for Turkey. <i>Agriculture, Ecosystems and Environment</i> , 2015, 205, 48-56.	2.5	24

#	ARTICLE	IF	CITATIONS
1020	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.	2.3	66
1021	Exploration of drought evolution using numerical simulations over the Xijiang (West River) basin in South China. <i>Journal of Hydrology</i> , 2015, 526, 68-77.	2.3	69
1022	Glacier changes and their impacts on the discharge in the past half-century in Tekes watershed, Central Asia. <i>Physics and Chemistry of the Earth</i> , 2015, 89-90, 96-103.	1.2	12
1023	Modeling of energy consumption and related GHG (greenhouse gas) intensity and emissions in Europe using general regression neural networks. <i>Energy</i> , 2015, 84, 816-824.	4.5	54
1024	Chance-constrained overland flow modeling for improving conceptual distributed hydrologic simulations based on scaling representation of sub-daily rainfall variability. <i>Science of the Total Environment</i> , 2015, 524-525, 8-22.	3.9	4
1025	Integrated SWAT model and statistical downscaling for estimating streamflow response to climate change in the Lake Dianchi watershed, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1193-1210.	1.9	38
1026	A stepwise-cluster forecasting approach for monthly streamflows based on climate teleconnections. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1557-1569.	1.9	38
1027	The impact of hillslope groundwater dynamics and landscape functioning in event-flow generation: a field study in the Rietholzbach catchment, Switzerland. <i>Hydrogeology Journal</i> , 2015, 23, 935-948.	0.9	4
1028	Simulation of long-term spring wheat yields, soil organic C, N and water dynamics using DSSAT-CSM in a semi-arid region of the Canadian prairies. <i>Nutrient Cycling in Agroecosystems</i> , 2015, 101, 401-419.	1.1	21
1029	A lagged variable model for characterizing temporally dynamic export of legacy anthropogenic nitrogen from watersheds to rivers. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11314-11326.	2.7	12
1030	Energy balance-based SWAT model to simulate the mountain snowmelt and runoff taking the application in Juntanghu watershed (China) as an example. <i>Journal of Mountain Science</i> , 2015, 12, 368-381.	0.8	30
1031	Functional Approach to Simulating Short-Rotation Woody Crops in Process-Based Models. <i>Bioenergy Research</i> , 2015, 8, 1598-1613.	2.2	20
1032	Contribution of meteorological input in calibrating a distributed hydrologic model in a watershed in the Tianshan Mountains, China. <i>Environmental Earth Sciences</i> , 2015, 74, 2413-2424.	1.3	17
1033	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. <i>Environmental Earth Sciences</i> , 2015, 74, 2499-2510.	1.3	62
1034	Spatial Mapping of Agricultural Water Productivity Using the SWAT Model. <i>Journal of the Institution of Engineers (India): Series A</i> , 2015, 96, 85-98.	0.6	2
1035	Optimizing land surface parameters for simulating river runoff from 323 MOPEX-watersheds. <i>Water Resources</i> , 2015, 42, 186-197.	0.3	8
1036	Calibration and Application of Aquaflex TDT Soil Water Probes to Measure the Soil Water Dynamics of Agricultural Topsoil in Southwest Germany. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, .	0.6	8
1037	Climate-induced Flow Regime Alterations and their Implications for the Lancang River, China. <i>River Research and Applications</i> , 2015, 31, 422-432.	0.7	16

#	ARTICLE	IF	CITATIONS
1038	Evaluation of stream water quality data generated from MODIS images in modeling total suspended solid emission to a freshwater lake. <i>Science of the Total Environment</i> , 2015, 523, 170-177.	3.9	29
1039	Modeling ammonia emissions from dairy production systems in the United States. <i>Atmospheric Environment</i> , 2015, 114, 8-18.	1.9	16
1040	Dissolved Organic Carbon Export from Harvested Peatland Forests with Differing Site Characteristics. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	42
1041	A modeling approach to evaluate the impact of conservation practices on water and sediment yield in Sasumua Watershed, Kenya. <i>Journal of Soils and Water Conservation</i> , 2015, 70, 75-90.	0.8	20
1042	Development and assessment of different modeling approaches for size-mass estimation of mango fruits (<i>Mangifera indica</i> L., cv. "Nam Dokmai"). <i>Computers and Electronics in Agriculture</i> , 2015, 114, 269-276.	3.7	41
1043	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.	2.3	67
1044	A parsimonious regional parametric evapotranspiration model based on a simplification of the Penman-Monteith formula. <i>Journal of Hydrology</i> , 2015, 524, 708-717.	2.3	57
1045	Efficiency criteria for environmental model quality assessment: A review and its application to wastewater treatment. <i>Environmental Modelling and Software</i> , 2015, 68, 196-204.	1.9	64
1046	Numerical Modeling of Rainfall-Generated Overland Flow Using Nonlinear Shallow-Water Equations. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	35
1047	Modelling metabolism based performance of an urban water system using WaterMet2. <i>Resources, Conservation and Recycling</i> , 2015, 99, 84-99.	5.3	47
1048	Large-Scale Hydrological Modeling for Calculating Water Stress Indices: Implications of Improved Spatiotemporal Resolution, Surface-Groundwater Differentiation, and Uncertainty Characterization. <i>Environmental Science & Technology</i> , 2015, 49, 4971-4979.	4.6	30
1049	Sensitivity analysis of SWAT nitrogen simulations with and without in-stream processes. <i>Archives of Agronomy and Soil Science</i> , 2015, 61, 969-987.	1.3	11
1050	Impact of climate change on the streamflow in the glacierized Chu River Basin, Central Asia. <i>Journal of Arid Land</i> , 2015, 7, 501-513.	0.9	36
1051	Identification of the best multi-model combination for simulating river discharge. <i>Journal of Hydrology</i> , 2015, 525, 313-325.	2.3	43
1052	Testing DRAINMOD-FOREST for predicting evapotranspiration in a mid-rotation pine plantation. <i>Forest Ecology and Management</i> , 2015, 355, 37-47.	1.4	12
1053	Detailed spatial analysis of SWAT-simulated surface runoff and sediment yield in a mountainous watershed in China. <i>Hydrological Sciences Journal</i> , 0, , 1-17.	1.2	16
1054	Predictor-Independent Linear Models Relating Lognormally Distributed <i>Escherichia coli</i> and Fecal Coliforms. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, 04014053.	0.7	1
1055	A new method for analysing the interrelationship between performance indicators with an application to agrometeorological models. <i>Environmental Modelling and Software</i> , 2015, 73, 286-304.	1.9	5

#	ARTICLE	IF	CITATIONS
1056	Modeling suspended sediment transport and assessing the impacts of climate change in a karstic Mediterranean watershed. <i>Science of the Total Environment</i> , 2015, 538, 288-297.	3.9	63
1057	Watershed derived nutrients for Lake Ontario inflows: Model calibration considering typical land operations in Southern Ontario. <i>Journal of Great Lakes Research</i> , 2015, 41, 1037-1051.	0.8	10
1058	A model integration framework for linking SWAT and MODFLOW. <i>Environmental Modelling and Software</i> , 2015, 73, 103-116.	1.9	123
1059	Simulating Carbon Dioxide Effects on Range Plant Growth and Water Use with GPFARM-Range Model. <i>Rangeland Ecology and Management</i> , 2015, 68, 423-431.	1.1	5
1060	Comparison of IHM and MIKE SHE Model Performance for Modeling Hydrologic Dynamics in Shallow Water Table Settings. <i>Vadose Zone Journal</i> , 2015, 14, 1-14.	1.3	137
1061	Evolution of a parsimonious rainfall-runoff model using soil moisture proxies. <i>Journal of Hydrology</i> , 2015, 530, 623-633.	2.3	21
1062	Modeling of ammonia emission in the USA and EU countries using an artificial neural network approach. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18849-18858.	2.7	5
1063	A scenario-based approach to integrating flow-ecology research with watershed development planning. <i>Landscape and Urban Planning</i> , 2015, 144, 74-89.	3.4	28
1064	Water-Related Ecosystem Services – The Case Study of Regulating Ecosystem Services in the Kielstau Basin, Germany. , 2015, , 215-232.		1
1065	Development of the Spatial Rainfall Generator (<scp>SRGEN</scp>) for the Agricultural Policy/Environmental Extender Model. <i>Journal of the American Water Resources Association</i> , 2015, 51, 154-167.	1.0	1
1066	A New Physically Based Self-Calibrating Palmer Drought Severity Index and its Performance Evaluation. <i>Water Resources Management</i> , 2015, 29, 4833-4847.	1.9	26
1067	Utilizing intensive monitoring and simulations for identifying sources of phosphorus and sediment and for directing, siting, and assessing BMPs: The Genesee River example. <i>Journal of Great Lakes Research</i> , 2015, 41, 743-759.	0.8	11
1068	Adapting SWAT hillslope erosion model to predict sediment concentrations and yields in large Basins. <i>Science of the Total Environment</i> , 2015, 538, 855-875.	3.9	74
1069	On the Value of Hydrological Models Developed in the Context of Undergraduate Education for Discharge Prediction and Reservoir Management. <i>Water Resources Management</i> , 2015, 29, 3569-3584.	1.9	1
1070	Development of integrated catchment and water quality model for urban rivers. <i>Journal of Hydrodynamics</i> , 2015, 27, 593-603.	1.3	18
1071	Numerical analysis of the combined rainfall-runoff process and snowmelt for the Alun River Basin, Heilongjiang, China. <i>Environmental Earth Sciences</i> , 2015, 74, 6929-6941.	1.3	6
1072	A socio-hydrological approach for incorporating gender into biophysical models and implications for water resources research. <i>Applied Geography</i> , 2015, 62, 325-338.	1.7	28
1073	Modelling climate change impacts on the hydrology of an agricultural watershed in southern Québec. <i>Canadian Water Resources Journal</i> , 2015, 40, 71-86.	0.5	13

#	ARTICLE	IF	CITATIONS
1074	Improved SCS-CN Method Based on Storage and Depletion of Antecedent Daily Precipitation. <i>Water Resources Management</i> , 2015, 29, 4753-4765.	1.9	24
1075	Effects of Meteorological and Ancillary Data, Temporal Averaging, and Evaluation Methods on Model Performance and Uncertainty in a Land Surface Model. <i>Journal of Hydrometeorology</i> , 2015, 16, 2559-2576.	0.7	22
1076	Modeling the Relationship between Catchment Attributes and In-stream Water Quality. <i>Water Resources Management</i> , 2015, 29, 5055-5072.	1.9	21
1077	Optimizing low impact development (LID) for stormwater runoff treatment in urban area, Korea: Experimental and modeling approach. <i>Water Research</i> , 2015, 86, 122-131.	5.3	198
1078	Regional-scale analysis of carbon and water cycles on managed grassland systems. <i>Environmental Modelling and Software</i> , 2015, 72, 356-371.	1.9	41
1079	Modeling Land-Use and Land-Cover Change and Hydrological Responses under Consistent Climate Change Scenarios in the Heihe River Basin, China. <i>Water Resources Management</i> , 2015, 29, 4701-4717.	1.9	77
1080	Simulating soil conservation measures to control soil and nutrient losses in a small, vineyard dominated, basin. <i>Agriculture, Ecosystems and Environment</i> , 2015, 213, 194-208.	2.5	51
1081	Assessment of input uncertainty by seasonally categorized latent variables using SWAT. <i>Journal of Hydrology</i> , 2015, 531, 685-695.	2.3	11
1082	Comparing global and local calibration schemes from a differential split-sample test perspective. <i>Canadian Journal of Earth Sciences</i> , 2015, 52, 990-999.	0.6	21
1083	Assessing and modelling water use and the partition of evapotranspiration of irrigated hop (<i>Humulus</i>) Tj ETQq1 1 0.784314 rgBT /Overl Products, 2015, 77, 204-217.	2.5	30
1084	Increasing dissolved nitrogen and phosphorus export by the Pearl River (Zhujiang): a modeling approach at the sub-basin scale to assess effective nutrient management. <i>Biogeochemistry</i> , 2015, 125, 221-242.	1.7	52
1085	Changeability of simulated hydrograph from a steep watershed resulted from applying Clark's IUH and different time-area histograms. <i>Environmental Earth Sciences</i> , 2015, 74, 3629-3643.	1.3	23
1086	Hydrological impacts of climate and land-use changes in a mountain watershed: uncertainty estimation based on model comparison. <i>Ecohydrology</i> , 2015, 8, 1396-1416.	1.1	70
1087	Identification of Critical Erosion Watersheds for Control Management in Data Scarce Condition Using the SWAT Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	14
1088	Modelling climate and land-use change impacts with SWIM: lessons learnt from multiple applications. <i>Hydrological Sciences Journal</i> , 2015, 60, 606-635.	1.2	46
1089	Water and sediment transport modeling of a large temporary river basin in Greece. <i>Science of the Total Environment</i> , 2015, 508, 354-365.	3.9	44
1090	Use of Local Soil and Vegetation Classifications to Improve Regional Downstream Hydraulic Geometry Relations. <i>Journal of Hydraulic Engineering</i> , 2015, 141, .	0.7	26
1091	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. <i>Water Resources Management</i> , 2015, 29, 1467-1487.	1.9	18

#	ARTICLE	IF	CITATIONS
1092	Subsurface drainage volume reduction with drainage water management: Case studies in Ohio, USA. <i>Agricultural Water Management</i> , 2015, 149, 131-142.	2.4	27
1093	How well can we model stream phosphorus concentrations in agricultural catchments?. <i>Environmental Modelling and Software</i> , 2015, 64, 31-46.	1.9	31
1094	Relationships between invertebrate communities and both hydrological regime and other environmental factors across New Zealand's rivers. <i>Ecohydrology</i> , 2015, 8, 13-32.	1.1	41
1095	Evaluating the impacts of climate change and switchgrass production on a semiarid basin. <i>Hydrological Processes</i> , 2015, 29, 724-738.	1.1	13
1096	The effects of climate and changing land use on the discharge regime of a small catchment in Tanzania. <i>Regional Environmental Change</i> , 2015, 15, 1269-1280.	1.4	38
1097	The impact of land use change in the Xiangxi Catchment (China) on water balance and sediment transport. <i>Regional Environmental Change</i> , 2015, 15, 485-498.	1.4	53
1098	Modelling transpiration, soil evaporation and yield prediction of soybean in North China Plain. <i>Agricultural Water Management</i> , 2015, 147, 43-53.	2.4	89
1099	Simulation of stream flow components in a mountainous catchment in northern Thailand with SWAT, using the ANSELM calibration approach. <i>Hydrological Processes</i> , 2015, 29, 1340-1352.	1.1	19
1100	Modelling sediment and total phosphorus export from a lowland catchment: comparing sediment routing methods. <i>Hydrological Processes</i> , 2015, 29, 280-294.	1.1	18
1101	Impacts of land use changes on hydrological components and macroinvertebrate distributions in the Poyang lake area. <i>Ecohydrology</i> , 2015, 8, 1119-1136.	1.1	31
1102	Human-Induced Runoff Change in Northeast China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	17
1103	Impacts of land-use and climate variability on hydrological components in the Johor River basin, Malaysia. <i>Hydrological Sciences Journal</i> , 2015, , 1-17.	1.2	60
1104	Automatic irrigation system based on dual crop coefficient, soil and plant water status for <i>Vitis vinifera</i> (cv Godello and cv Menc�a). <i>Agricultural Water Management</i> , 2015, 151, 52-63.	2.4	55
1105	Using SWAT for sub-field identification of phosphorus critical source areas in a saturation excess runoff region. <i>Hydrological Sciences Journal</i> , 0, , 1-19.	1.2	19
1106	Hydrological Modeling for Drought Assessment. , 2015, , 263-282.		6
1107	Temporal variability of soil water content in a semiarid hillslope across time scales: Effect of soil surface condition. <i>Journal of Arid Environments</i> , 2015, 112, 64-74.	1.2	4
1108	Application of the SWAT hydrologic model to a tropical watershed at Brazil. <i>Catena</i> , 2015, 125, 206-213.	2.2	84
1109	Regional scale cropland carbon budgets: Evaluating a geospatial agricultural modeling system using inventory data. <i>Environmental Modelling and Software</i> , 2015, 63, 199-216.	1.9	55

#	ARTICLE	IF	CITATIONS
1110	Modeling slump of ready mix concrete using genetic algorithms assisted training of Artificial Neural Networks. <i>Expert Systems With Applications</i> , 2015, 42, 885-893.	4.4	173
1111	Modelling spatial distribution of surface runoff and sediment yield in a Chinese river basin without continuous sediment monitoring. <i>Hydrological Sciences Journal</i> , 0, , 1-24.	1.2	7
1112	Simulation of salt dynamics in the root zone and yield of wheat crop under irrigated saline regimes using SWAP model. <i>Agricultural Water Management</i> , 2015, 148, 72-83.	2.4	48
1113	Comparing AquaCrop and CropSyst models in simulating barley growth and yield under different water and nitrogen regimes. Does calibration year influence the performance of crop growth models?. <i>Agricultural Water Management</i> , 2015, 147, 21-33.	2.4	48
1114	Impacts of climate change on water resources in the Mediterranean Basin: a case study in Catalonia, Spain. <i>Hydrological Sciences Journal</i> , 2015, 60, 2132-2147.	1.2	42
1115	Usage of the WRF/DHSVM model chain for simulation of extreme floods in mountainous areas: a pilot study for the Uzh River Basin in the Ukrainian Carpathians. <i>Natural Hazards</i> , 2015, 75, 2049-2063.	1.6	7
1116	Application of the SWAT model to assess the impact of changes in agricultural management practices on water quality. <i>Hydrological Sciences Journal</i> , 0, , 1-19.	1.2	21
1117	Impact of a woody biochar on properties of a sandy loam soil and spring barley during a two-year field experiment. <i>European Journal of Agronomy</i> , 2015, 62, 65-78.	1.9	126
1118	Coupling a Regional Climate Model and a Distributed Hydrological Model to Assess Future Water Resources in Jinhua River Basin, East China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	19
1119	The effect of subarctic conditions on water resources: initial results and limitations of the SWAT model applied to the Kharaa River Basin in Northern Mongolia. <i>Environmental Earth Sciences</i> , 2015, 73, 581-592.	1.3	28
1120	Automated modeling of ecosystem CO ₂ fluxes based on periodic closed chamber measurements: A standardized conceptual and practical approach. <i>Agricultural and Forest Meteorology</i> , 2015, 200, 30-45.	1.9	63
1121	Assessment of climate change impacts on water quantity and quality of the multi-river Vistula Lagoon catchment. <i>Hydrological Sciences Journal</i> , 0, , 1-22.	1.2	14
1122	The role of small scale sand dams in securing water supply under climate change in Ethiopia. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 317-339.	1.0	46
1123	Soil and Water Assessment Tool Soil Loss Simulation at the Sub-Basin Scale in the Alt Peneda-Anoia Vineyard Region (Ne Spain) in the <sc>2000s</sc>. <i>Land Degradation and Development</i> , 2016, 27, 160-170.	1.8	36
1124	Identifying Efficient Nitrate Reduction Strategies in the Upper Danube. <i>Water (Switzerland)</i> , 2016, 8, 371.	1.2	10
1125	Case Study: Effect of Climatic Characterization on River Discharge in an Alpine-Prealpine Catchment of the Spanish Pyrenees Using the SWAT Model. <i>Water (Switzerland)</i> , 2016, 8, 471.	1.2	6
1126	Probabilistic approach to modeling under changing scenarios. , 2016, , .		0
1127	Modelling the Contribution of Land Use to Nitrate Yield from a Rural Catchment. , 0, , .		2

#	ARTICLE	IF	CITATIONS
1129	Parameter interactions and sensitivity analysis for modelling carbon heat and water fluxes in a natural peatland, using CoupModel v5. <i>Geoscientific Model Development</i> , 2016, 9, 4313-4338.	1.3	17
1130	Influence of rainfall data on the uncertainty of flood simulation. <i>Soil and Water Research</i> , 2016, 11, 277-284.	0.7	14
1131	Evaluation of growth-stage-specific crop coefficients of maize using weighing lysimeter. <i>Soil and Water Research</i> , 2015, 10, 99-104.	0.7	19
1132	Statistical validation of the CLARA Simplified Planning Tool. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 193-201.	1.0	1
1133	Potential Impact of Climate Change on Suspended Sediment Yield in NW Spain: A Case Study on the Corbeira Catchment. <i>Water (Switzerland)</i> , 2016, 8, 444.	1.2	25
1134	Evaluation of a Hybrid Green/Grey Approach to Address Neighborhood Flooding and Other Watershed Issues: Closure from a Texas Case Study. , 2016, , .		1
1135	Comparing CFSR and conventional weather data for discharge and soil loss modelling with SWAT in small catchments in the Ethiopian Highlands. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 921-934.	1.9	59
1136	Enhancing modelled water content by dielectric permittivity in stony soils. <i>Soil Research</i> , 2016, 54, 360.	0.6	3
1137	Disentangling timing and amplitude errors in streamflow simulations. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3745-3763.	1.9	14
1138	Sediment concentration rating curves for a monsoonal climate: upper Blue Nile. <i>Soil</i> , 2016, 2, 337-349.	2.2	23
1139	Machine learning methods for empirical streamflow simulation: a comparison of model accuracy, interpretability, and uncertainty in seasonal watersheds. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2611-2628.	1.9	183
1140	Water level, vegetation composition, and plant productivity explain greenhouse gas fluxes in temperate cutover fens after inundation. <i>Biogeosciences</i> , 2016, 13, 3945-3970.	1.3	35
1141	Analytical and numerical study of the salinity intrusion in the Sebou river estuary (Morocco) " effect of the "Super Blood Moon"(total lunar eclipse) of 2015. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3923-3945.	1.9	43
1142	Integrated water system simulation by considering hydrological and biogeochemical processes: model development, with parameter sensitivity and autocalibration. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 529-553.	1.9	42
1143	An Integrated Landscape Designed for Commodity and Bioenergy Crops for a Tile-Drained Agricultural Watershed. <i>Journal of Environmental Quality</i> , 2016, 45, 1588-1596.	1.0	24
1144	Improved Simulation of Edaphic and Manure Phosphorus Loss in SWAT. <i>Journal of Environmental Quality</i> , 2016, 45, 1215-1225.	1.0	42
1145	A pre-calibration approach to select optimum inputs for hydrological models in data-scarce regions. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4391-4407.	1.9	12
1146	Influences of Land Use Change on Baseflow in Mountainous Watersheds. <i>Forests</i> , 2016, 7, 16.	0.9	27

#	ARTICLE	IF	CITATIONS
1147	Development of Field Pollutant Load Estimation Module and Linkage of QUAL2E with Watershed-Scale L-THIA ACN Model. <i>Water (Switzerland)</i> , 2016, 8, 292.	1.2	8
1148	Hydrological simulation as subside for management of surface water resources at the Mortes River Basin. <i>Ciencia E Agrotecnologia</i> , 2016, 40, 390-404.	1.5	6
1149	Hydrological Modeling of Tributaries of Cantareira System, Southeast Brazil, with the Swat Model. <i>Engenharia Agricola</i> , 2016, 36, 1037-1049.	0.2	13
1150	Dissolved oxygen prediction using a possibility theory based fuzzy neural network. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2267-2293.	1.9	19
1151	Methodology for Developing Hydrological Models Based on an Artificial Neural Network to Establish an Early Warning System in Small Catchments. <i>Advances in Meteorology</i> , 2016, 2016, 1-14.	0.6	11
1152	Long-Term Simulation of Daily Streamflow Using Radar Rainfall and the SWAT Model: A Case Study of the Gamcheon Basin of the Nakdong River, Korea. <i>Advances in Meteorology</i> , 2016, 2016, 1-12.	0.6	9
1153	Mesoscale and Local Scale Evaluations of Quantitative Precipitation Estimates by Weather Radar Products during a Heavy Rainfall Event. <i>Advances in Meteorology</i> , 2016, 2016, 1-9.	0.6	9
1154	Hydrological responses to climate changes in a headwater watershed. <i>Ciencia E Agrotecnologia</i> , 2016, 40, 647-657.	1.5	18
1155	The Effect of Rice Straw Mulching and No-Tillage Practice in Upland Crop Areas on Nonpoint-Source Pollution Loads Based on HSPF. <i>Water (Switzerland)</i> , 2016, 8, 106.	1.2	17
1156	A Deterministic Model for Predicting Hourly Dissolved Oxygen Change: Development and Application to a Shallow Eutrophic Lake. <i>Water (Switzerland)</i> , 2016, 8, 41.	1.2	18
1157	Modeling of Andean Páramo Ecosystems' Hydrological Response to Environmental Change. <i>Water (Switzerland)</i> , 2016, 8, 94.	1.2	27
1158	Bivariate Drought Analysis Using Streamflow Reconstruction with Tree Ring Indices in the Sacramento Basin, California, USA. <i>Water (Switzerland)</i> , 2016, 8, 122.	1.2	11
1159	Analysis of Best Management Practices Implementation on Water Quality Using the Soil and Water Assessment Tool. <i>Water (Switzerland)</i> , 2016, 8, 145.	1.2	26
1160	Development of a Watershed-Scale Long-Term Hydrologic Impact Assessment Model with the Asymptotic Curve Number Regression Equation. <i>Water (Switzerland)</i> , 2016, 8, 153.	1.2	18
1161	Application of Large-Scale, Multi-Resolution Watershed Modeling Framework Using the Hydrologic and Water Quality System (HAWQS). <i>Water (Switzerland)</i> , 2016, 8, 164.	1.2	40
1162	Estimation of Surface Soil Moisture in Irrigated Lands by Assimilation of Landsat Vegetation Indices, Surface Energy Balance Products, and Relevance Vector Machines. <i>Water (Switzerland)</i> , 2016, 8, 167.	1.2	24
1163	Multi-Site Validation of the SWAT Model on the Bani Catchment: Model Performance and Predictive Uncertainty. <i>Water (Switzerland)</i> , 2016, 8, 178.	1.2	59
1164	Rationalization of Altitudinal Precipitation Profiles in a Data-Scarce Glacierized Watershed Simulation in the Karakoram. <i>Water (Switzerland)</i> , 2016, 8, 186.	1.2	8

#	ARTICLE	IF	CITATIONS
1165	Using High-Resolution Data to Test Parameter Sensitivity of the Distributed Hydrological Model HydroGeoSphere. <i>Water (Switzerland)</i> , 2016, 8, 202.	1.2	24
1166	Generation of Natural Runoff Monthly Series at Ungauged Sites Using a Regional Regressive Model. <i>Water (Switzerland)</i> , 2016, 8, 209.	1.2	19
1167	Modeling Irrigation Networks for the Quantification of Potential Energy Recovering: A Case Study. <i>Water (Switzerland)</i> , 2016, 8, 234.	1.2	48
1168	An Ensemble Empirical Mode Decomposition, Self-Organizing Map, and Linear Genetic Programming Approach for Forecasting River Streamflow. <i>Water (Switzerland)</i> , 2016, 8, 247.	1.2	24
1169	Effects of Data and Model Simplification on the Results of a Wetland Water Resource Management Model. <i>Water (Switzerland)</i> , 2016, 8, 252.	1.2	1
1170	Bayesian Regression and Neuro-Fuzzy Methods Reliability Assessment for Estimating Streamflow. <i>Water (Switzerland)</i> , 2016, 8, 287.	1.2	12
1171	Drinking and Cleaning Water Use in a Dairy Cow Barn. <i>Water (Switzerland)</i> , 2016, 8, 302.	1.2	14
1172	Development of a Component-Based Modeling Framework for Agricultural Water-Resource Management. <i>Water (Switzerland)</i> , 2016, 8, 351.	1.2	7
1173	Monthly Precipitation Patterns in a Region Vulnerable to Climate-Related Hazards—A Case Study from Poland. <i>Water (Switzerland)</i> , 2016, 8, 362.	1.2	4
1174	Groundwater and Surface Water Availability via a Joint Simulation with a Double Control of Water Quantity and Ecologically Ideal Shallow Groundwater Depth: A Case Study on the Sanjiang Plain, Northeast China. <i>Water (Switzerland)</i> , 2016, 8, 396.	1.2	6
1175	Runoff Simulation in the Upper Reaches of Heihe River Basin Based on the RIEMS—SWAT Model. <i>Water (Switzerland)</i> , 2016, 8, 455.	1.2	9
1176	Assessing Variation in Water Balance Components in Mountainous Inland River Basin Experiencing Climate Change. <i>Water (Switzerland)</i> , 2016, 8, 472.	1.2	30
1177	Simulation and Prediction of Climate Variability and Assessment of the Response of Water Resources in a Typical Watershed in China. <i>Water (Switzerland)</i> , 2016, 8, 490.	1.2	10
1178	Using Exceedance Probability to Determine Total Maximum Daily Loads for Reservoir Water Quality Management. <i>Water (Switzerland)</i> , 2016, 8, 541.	1.2	11
1179	Hydrological Responses to Land Use/Cover Changes in the Olifants Basin, South Africa. <i>Water (Switzerland)</i> , 2016, 8, 588.	1.2	92
1180	Parameter regionalization of a monthly water balance model for the conterminous United States. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2861-2876.	1.9	41
1181	Impacts of Forest to Urban Land Conversion and ENSO Phase on Water Quality of a Public Water Supply Reservoir. <i>Forests</i> , 2016, 7, 29.	0.9	3
1182	Attribution Analyses of Impacts of Environmental Changes on Streamflow and Sediment Load in a Mountainous Basin, Vietnam. <i>Forests</i> , 2016, 7, 30.	0.9	10

#	ARTICLE	IF	CITATIONS
1183	Hydrological Evaluation of TRMM Rainfall over the Upper Senegal River Basin. <i>Hydrology</i> , 2016, 3, 15.	1.3	26
1184	Impacts of Rainfall Variability, Land Use and Land Cover Change on Stream Flow of the Black Volta Basin, West Africa. <i>Hydrology</i> , 2016, 3, 26.	1.3	56
1185	Verification of Ensemble Water Supply Forecasts for Sierra Nevada Watersheds. <i>Hydrology</i> , 2016, 3, 35.	1.3	13
1186	Economic Estimation of the Losses Caused by Surface Water Pollution Accidents in China From the Perspective of Water Bodies's Functions. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 154.	1.2	16
1187	Assessment of the Spatial and Temporal Variations of Water Quality for Agricultural Lands with Crop Rotation in China by Using a HYPE Model. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 336.	1.2	16
1188	A Merging Framework for Rainfall Estimation at High Spatiotemporal Resolution for Distributed Hydrological Modeling in a Data-Scarce Area. <i>Remote Sensing</i> , 2016, 8, 599.	1.8	33
1189	The Modified SEBAL for Mapping Daily Spatial Evapotranspiration of South Korea Using Three Flux Towers and Terra MODIS Data. <i>Remote Sensing</i> , 2016, 8, 983.	1.8	25
1190	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.	1.6	17
1191	MUTUAL INTERACTION BETWEEN DINH AN ESTUARY AND TRAN DE ESTUARY, MEKONG RIVER, VIETNAM. <i>Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering)</i> , 2016, 72, I_700-I_705.	0.0	1
1192	Hydrological Impacts of Land Use Change and Climate Variability in the Headwater Region of the Heihe River Basin, Northwest China. <i>PLoS ONE</i> , 2016, 11, e0158394.	1.1	110
1193	Can Recent Global Changes Explain the Dramatic Range Contraction of an Endangered Semi-Aquatic Mammal Species in the French Pyrenees?. <i>PLoS ONE</i> , 2016, 11, e0159941.	1.1	20
1194	Impact Assessment of Climate and Land-Use Changes on Flooding Behavior in the Upper Ciliwung River, Jakarta, Indonesia. <i>Water (Switzerland)</i> , 2016, 8, 559.	1.2	38
1195	Evaluation of Climate Change Impact on Runoff: A Case Study. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	2
1196	Comparative performance evaluation of blast furnace flame temperature prediction using artificial intelligence and statistical methods. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 1163-1175.	0.9	23
1197	Uncertainty assessment of a dominant-process catchment model of dissolved phosphorus transfer. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4819-4835.	1.9	15
1198	Sediment Yield at Catchment Scale Using the SWAT (Soil and Water Assessment Tool) Model. <i>Soil Science</i> , 2016, 181, 326-334.	0.9	9
1199	Estimating Evapotranspiration for Dryland Cropping Systems in the Semiarid Texas High Plains Using <sc>SWAT</sc>. <i>Journal of the American Water Resources Association</i> , 2016, 52, 298-314.	1.0	31
1200	Augmenting Watershed Model Calibration with Incorporation of Ancillary Data Sources and Qualitative Soft Data Sources. <i>Journal of the American Water Resources Association</i> , 2016, 52, 788-798.	1.0	12

#	ARTICLE	IF	CITATIONS
1201	Assessing regional-scale spatio-temporal patterns of groundwater-surface water interactions using a coupled SWAT-MODFLOW model. <i>Hydrological Processes</i> , 2016, 30, 4420-4433.	1.1	183
1202	Paddy Field Modelling System For Water Quality Management. <i>Irrigation and Drainage</i> , 2016, 65, 131-142.	0.8	4
1203	Assessment of a hydrologic model's reliability in simulating flow regime alterations in a changing climate. <i>Hydrological Processes</i> , 2016, 30, 2628-2643.	1.1	18
1204	Simulating the fate and transport of nursery-box-applied pesticide in rice paddy fields. <i>Pest Management Science</i> , 2016, 72, 1178-1186.	1.7	10
1205	Global sensitivity analysis and calibration of parameters for a physically-based agro-hydrological model. <i>Environmental Modelling and Software</i> , 2016, 83, 88-102.	1.9	34
1206	Dealing with uncertainty in water scarcity footprints. <i>Environmental Research Letters</i> , 2016, 11, 054008.	2.2	42
1207	Evaluation of Dynamically Dimensioned Search Algorithm for Optimizing <scp>SWAT</scp> by Altering Sampling Distributions and Searching Range. <i>Journal of the American Water Resources Association</i> , 2016, 52, 443-455.	1.0	12
1208	Incorporating landscape depression heterogeneity into the Soil and Water Assessment Tool (SWAT) using a probability distribution. <i>Hydrological Processes</i> , 2016, 30, 2373-2389.	1.1	40
1209	Assessing the digital filter method for base flow estimation in glacier melt dominated basins. <i>Hydrological Processes</i> , 2016, 30, 1367-1375.	1.1	11
1210	Impact of climate indicators on continental-scale potential groundwater recharge in Africa. <i>Hydrological Processes</i> , 2016, 30, 3420-3433.	1.1	10
1211	Two-dimensional continuous simulation of spatiotemporally varied hydrological processes using the time-area method. <i>Hydrological Processes</i> , 2016, 30, 751-770.	1.1	19
1212	A tool for downscaling weather data from large-grid reanalysis products to finer spatial scales for distributed hydrological applications. <i>Environmental Modelling and Software</i> , 2016, 84, 50-69.	1.9	41
1213	Corn stover harvest increases herbicide movement to subsurface drains—Root Zone Water Quality Model simulations. <i>Pest Management Science</i> , 2016, 72, 1124-1132.	1.7	7
1214	Assessing the Hydrological Response of Ayamama Watershed from Urbanization Predicted under Various Landuse Policy Scenarios. <i>Water Resources Management</i> , 2016, 30, 3427-3441.	1.9	17
1215	Design and implementation of a general software library for using NSGA-II with SWAT for multi-objective model calibration. <i>Environmental Modelling and Software</i> , 2016, 84, 112-120.	1.9	44
1216	Evaluating relative sensitivity of SWAT-simulated nitrogen discharge to projected climate and land cover changes for two watersheds in North Carolina, USA. <i>Hydrological Processes</i> , 2016, 30, 1403-1418.	1.1	10
1217	Alteration of hydrologic indicators for Korean catchments under CMIP5 climate projections. <i>Hydrological Processes</i> , 2016, 30, 4517-4542.	1.1	10
1218	Hydrologic Evaluation of River Basin Scale Tillage Effects on Non-Point Source Loads from Upland Crop Areas. <i>Irrigation and Drainage</i> , 2016, 65, 200-208.	0.8	1

#	ARTICLE	IF	CITATIONS
1219	An improved representation of geographically isolated wetlands in a watershed-scale hydrologic model. <i>Hydrological Processes</i> , 2016, 30, 4168-4184.	1.1	80
1220	Stream Temperature Impacts Because of Changes in Air Temperature, Land Cover and Stream Discharge: Navarro River Watershed, California, USA. <i>River Research and Applications</i> , 2016, 32, 2020-2031.	0.7	23
1221	Modeling chlorophyll-a concentrations using an artificial neural network for precisely eco-restoring lake basin. <i>Ecological Engineering</i> , 2016, 95, 422-429.	1.6	47
1222	Irrigation management for spring maize grown on saline soil based on SWAP model. <i>Field Crops Research</i> , 2016, 196, 85-97.	2.3	32
1223	A simple water balance model adapted for soil water repellency: application on Portuguese burned and unburned eucalypt stands. <i>Hydrological Processes</i> , 2016, 30, 463-478.	1.1	20
1224	Flood hydrograph reconstruction from the peak flow value in ephemeral streams using a simplified robust single-parameter model. <i>Hydrological Processes</i> , 2016, 30, 3004-3013.	1.1	2
1225	Applications of Explicitly Incorporated/Post-Processing Measurement Uncertainty in Watershed Modeling. <i>Journal of the American Water Resources Association</i> , 2016, 52, 523-540.	1.0	9
1226	Influence of spatial resolution of radar images on the parameterization and performance of SWAT model. <i>Desalination and Water Treatment</i> , 2016, , 1-9.	1.0	1
1227	Simulating Woodchip Bioreactor Performance Using a Dual-Porosity Model. <i>Journal of Environmental Quality</i> , 2016, 45, 830-838.	1.0	23
1228	Extreme sea levels under present and future climate: a pan-European database. <i>E3S Web of Conferences</i> , 2016, 7, 02001.	0.2	8
1229	Application of several data-driven techniques to predict a standardized precipitation index. <i>Atmosfera</i> , 0, , .	0.3	52
1230	Sensitivity Analysis in Watershed Model Using SUFI-2 Algorithm. <i>Procedia Engineering</i> , 2016, 162, 441-447.	1.2	88
1231	Prediction and evaluation of enteric methane emissions from lactating dairy cows using different levels of covariate information. <i>Animal Production Science</i> , 2016, 56, 557.	0.6	13
1232	Discharge sensitivity to snowmelt parameterization: a case study for Upper Beas basin in Himachal Pradesh, India. <i>Hydrology Research</i> , 2016, 47, 683-700.	1.1	22
1233	Integration of the rice paddy water management into a coupled surface-subsurface water flow model in the Sakuragawa River watershed (Japan). <i>Hydrology Research</i> , 2016, 47, 137-156.	1.1	2
1234	Forecasting Arabian Sea level rise using exponential smoothing state space models and ARIMA from TOPEX and Jason satellite radar altimeter data. <i>Meteorological Applications</i> , 2016, 23, 633-639.	0.9	9
1235	Ordinary kriging and genetic programming for spatial estimation of rainfall in the Middle Yarra River catchment, Australia. <i>Hydrology Research</i> , 2016, 47, 1182-1197.	1.1	22
1236	Calibration and validation of SWAT model for estimating water balance and nitrogen losses in a small agricultural watershed in central Poland. <i>Journal of Water and Land Development</i> , 2016, 29, 31-47.	0.9	16

#	ARTICLE	IF	CITATIONS
1237	Development of a Robust Automated Tool for Calibrating a SWMM Watershed Model. , 2016, , .		4
1238	Implementation and evaluation of a monthly water balance model over the <scp>U</scp>S on an 800 m grid. Water Resources Research, 2016, 52, 9600-9620.	1.7	21
1239	Net primary productivity estimates and environmental variables in the Arctic Ocean: An assessment of coupled physical-biogeochemical models. Journal of Geophysical Research: Oceans, 2016, 121, 8635-8669.	1.0	34
1240	Evaluating the transferability of measurements from simple constructed non weighable gravitation lysimeters to predict the water regime on field scaleâ€”a case study. Journal of Plant Nutrition and Soil Science, 2016, 179, 809-820.	1.1	3
1241	A user-friendly modified pore-solid fractal model. Scientific Reports, 2016, 6, 39029.	1.6	8
1242	Application of deterministic distributed hydrological model for large catchment: a case study at Vu Gia Thu Bon catchment, Vietnam. Journal of Hydroinformatics, 2016, 18, 885-904.	1.1	20
1243	Generalized models of riverine fish hydraulic habitat. Journal of Ecohydraulics, 2016, 1, 31-49.	1.6	17
1244	Hydrological response of the Ã–tztal glacierized catchments to climate change. Hydrology Research, 2016, 47, 979-995.	1.1	11
1245	Bootstrap rankâ€”ordered conditional mutual information (broCMI): A nonlinear input variable selection method for water resources modeling. Water Resources Research, 2016, 52, 2299-2326.	1.7	72
1246	Hydraulic and Sediment Transport Simulation of Koiliaris River Using the MIKE 21C Model. Procedia Engineering, 2016, 162, 463-470.	1.2	8
1247	Assessing the Impact of Climate Change on Sediment Loads in a Large Mediterranean Watershed. Soil Science, 2016, 181, 306-314.	0.9	9
1248	Simulating Potato Growth and Nitrogen Uptake in Eastern Canada with the STICS Model. Agronomy Journal, 2016, 108, 1853-1868.	0.9	7
1249	Projection of future streamflow changes of the Pearl River basin in China using two delta-change methods. Hydrology Research, 2016, 47, 217-238.	1.1	13
1250	Assessment of Data Driven and Process Based Water Management Tools for the Geothermal Reservoir Waiwera (New Zealand). Energy Procedia, 2016, 97, 403-410.	1.8	6
1251	How much conservation is enough? Defining implementation goals for healthy fish communities in agricultural rivers. Journal of Great Lakes Research, 2016, 42, 1302-1321.	0.8	28
1252	Comparison between Curvilinear and Rectilinear Grid Based Hydraulic Models for River Flow Simulation. Procedia Engineering, 2016, 162, 568-575.	1.2	4
1253	A Comprehensive Analysis of the Variably Saturated Hydraulic Behavior of a Green Roof in a Mediterranean Climate. Vadose Zone Journal, 2016, 15, 1-17.	1.3	54
1254	Evaluating the Effect of Climate Change on the Design Parameters of Embankment Dams: Case Studies Using Remote Sensing Data. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
1255	Impact of precipitation variability on the performance of a rainfall-runoff model in Mediterranean mountain catchments. <i>Hydrological Sciences Journal</i> , 2016, 61, 507-518.	1.2	3
1256	Model analysis of check dam impacts on long-term sediment and water budgets in Southeast Arizona, USA. <i>Ecohydrology and Hydrobiology</i> , 2016, 16, 125-137.	1.0	36
1257	REXPO: A catchment model designed to understand and simulate the loss dynamics of plant protection products and biocides from agricultural and urban areas. <i>Journal of Hydrology</i> , 2016, 533, 486-514.	2.3	14
1258	Development of a data-driven semi-distributed hydrological model for regional scale catchments prone to Mediterranean flash floods. <i>Journal of Hydrology</i> , 2016, 541, 173-189.	2.3	25
1259	Integration of gauge and radar rainfall to enable best simulation of hydrological parameters. <i>Hydrological Sciences Journal</i> , 2016, , 1-10.	1.2	2
1260	Modeling the impacts of temperature and precipitation changes on soil CO ₂ fluxes from a Switchgrass stand recently converted from cropland. <i>Journal of Environmental Sciences</i> , 2016, 43, 15-25.	3.2	17
1261	An easy-to-use tool for the evaluation of leachate production at landfill sites. <i>Waste Management</i> , 2016, 55, 204-219.	3.7	34
1262	Modelling the potential impacts of climate change on hydrology of the Bago River Basin, Myanmar. <i>International Journal of River Basin Management</i> , 2016, 14, 287-297.	1.5	12
1263	Simulation of long-term soil water dynamics at Reynolds Creek, Idaho: implications for rangeland productivity. <i>Ecohydrology</i> , 2016, 9, 673-687.	1.1	5
1264	Forecasting streamflow response to increased imperviousness in an urbanizing Midwestern watershed using a coupled modeling approach. <i>Applied Geography</i> , 2016, 72, 14-25.	1.7	21
1265	Benchmarking laboratory observation uncertainty for in-pipe storm sewer discharge measurements. <i>Journal of Hydrology</i> , 2016, 534, 73-86.	2.3	15
1266	Modelling the impacts of agricultural management practices on river water quality in Eastern England. <i>Journal of Environmental Management</i> , 2016, 180, 147-163.	3.8	69
1267	Effect of embedded printed circuit board (PCB) sensors on the mechanical behavior of glass fiber-reinforced polymer (GFRP) structures. <i>Smart Materials and Structures</i> , 2016, 25, 065016.	1.8	2
1268	Simulating maize yields when irrigating with saline water, using the AquaCrop, SALTMED, and SWAP models. <i>Agricultural Water Management</i> , 2016, 176, 91-99.	2.4	46
1269	Assessment of parameter uncertainty in hydrological model using a Markov-Chain-Monte-Carlo-based multilevel-factorial-analysis method. <i>Journal of Hydrology</i> , 2016, 538, 471-486.	2.3	62
1270	A comparative study for water temperature modelling in a small basin, the Fourchue River, Quebec, Canada. <i>Hydrological Sciences Journal</i> , 0, , 1-12.	1.2	4
1271	Dual permeability modeling of tile drain management influences on hydrologic and nutrient transport characteristics in macroporous soil. <i>Journal of Hydrology</i> , 2016, 535, 392-406.	2.3	36
1272	Assessment of climate change impacts on river hydrology and habitat suitability of <i>Oxyaemacheilus bergianus</i> . Case study: Kordan River, Iran. <i>Hydrobiologia</i> , 2016, 771, 83-100.	1.0	13

#	ARTICLE	IF	CITATIONS
1273	Reply to the comment on "The new assessment of soil loss by water erosion in Europe" by Fiener & Auerswald. <i>Environmental Science and Policy</i> , 2016, 57, 143-150.	2.4	16
1274	Comparison of SRM and WetSpa models efficiency for snowmelt runoff simulation. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	19
1275	Impacts of recent climate change on the hydrology in the source region of the Yellow River basin. <i>Journal of Hydrology: Regional Studies</i> , 2016, 6, 66-81.	1.0	60
1276	An approach to measure parameter sensitivity in watershed hydrological modelling. <i>Hydrological Sciences Journal</i> , 2017, 62, 1-17.	1.2	10
1277	Hydrological responses of land use change from cotton (<i>Gossypium hirsutum</i> L.) to cellulosic bioenergy crops in the Southern High Plains of Texas, USA. <i>GCB Bioenergy</i> , 2016, 8, 981-999.	2.5	23
1278	MIKE SHE modeling of ecohydrological processes: Merits, applications, and challenges. <i>Ecological Engineering</i> , 2016, 96, 137-149.	1.6	48
1279	Multi-model averaging for continuous streamflow prediction in ungauged basins. <i>Hydrological Sciences Journal</i> , 2016, 61, 2443-2454.	1.2	29
1280	Modeling the impacts of tillage practices on water table depth, drain outflow and nitrogen losses using DRAINMOD. <i>Computers and Electronics in Agriculture</i> , 2016, 124, 73-83.	3.7	15
1281	Assessing drought threats to agricultural water supplies under climate change by combining the SWAT and MODSIM models for the Geum River basin, South Korea. <i>Hydrological Sciences Journal</i> , 2016, 61, 2740-2753.	1.2	45
1282	Phosphorous stock changes in agricultural soils: a case study in Turkey. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 105, 51-59.	1.1	4
1283	Evaluation of the Impacts of Climate Variability and Human Activity on Streamflow at the Basin Scale. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	24
1284	A system dynamics based socio-hydrological model for agricultural wastewater reuse at the watershed scale. <i>Agricultural Water Management</i> , 2016, 171, 89-107.	2.4	29
1285	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.	2.3	23
1286	Quantifying future changes in glacier melt and river runoff in the headwaters of the Urumqi River, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	14
1287	Streamflow prediction uncertainty analysis and verification of SWAT model in a tropical watershed. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	34
1288	Flood projections within the Niger River Basin under future land use and climate change. <i>Science of the Total Environment</i> , 2016, 562, 666-677.	3.9	90
1289	Evaluating the impacts of soil data on hydrological and nonpoint source pollution prediction. <i>Science of the Total Environment</i> , 2016, 563-564, 19-28.	3.9	21
1290	Hydrologic Simulation for Water Balance Improvement in an Outcrop Area of the Guarani Aquifer System. <i>Environmental Processes</i> , 2016, 3, 19-38.	1.7	21

#	ARTICLE	IF	CITATIONS
1291	Effect of Spatial Extent of Atmospheric Variables on Development of Statistical Downscaling Model for Monthly Precipitation in Yamuna-Hindon Interbasin, India. Journal of Hydrologic Engineering - ASCE, 2016, 21, 05016019.	0.8	3
1292	Development and evaluation of targeted marginal land mapping approach in SWAT model for simulating water quality impacts of selected second generation biofeedstock. Environmental Modelling and Software, 2016, 81, 26-39.	1.9	20
1293	Water Management in a Complex Hydrological Basin – Application of Water Evaluation and Planning Tool (WEAP) to the Lake Kinneret Watershed, Israel. , 2016, , 35-57.		7
1294	The MARINA model (Model to Assess River Inputs of Nutrients to seAs): Model description and results for China. Science of the Total Environment, 2016, 562, 869-888.	3.9	97
1295	A wavelet-based non-linear autoregressive with exogenous inputs (WNARX) dynamic neural network model for real-time flood forecasting using satellite-based rainfall products. Journal of Hydrology, 2016, 539, 57-73.	2.3	86
1296	Conservation Reserve Program (CRP) lands provide ecosystem service benefits that exceed land rental payment costs. Ecosystem Services, 2016, 18, 175-185.	2.3	62
1297	Modelling of suspended sediment in a weir reach using EFDC model. Water Science and Technology, 2016, 73, 1583-1590.	1.2	6
1298	Impacts of climate change on streamflows under RCP scenarios: A case study in Xin River Basin, China. Atmospheric Research, 2016, 178-179, 521-534.	1.8	152
1299	Cooperative filling approaches for the Grand Ethiopian Renaissance Dam. Water International, 2016, 41, 611-634.	0.4	127
1300	Assessment of nitrogen inputs and yields in the Cibolo and Dry Comal Creek watersheds using the SWAT model, Texas, USA 1996–2010. Environmental Earth Sciences, 2016, 75, 1.	1.3	8
1301	Development of a geo-information system embedding a spatially distributed hydrological model for the preliminary assessment of the hydropower potential of historical hydro sites in poorly gauged areas. Renewable Energy, 2016, 92, 222-232.	4.3	18
1302	Evaluation of the applicability of the SWAT model in an arid piedmont plain oasis. Water Science and Technology, 2016, 73, 1341-1348.	1.2	6
1303	Hydrologic evaluation of the curve number and Green and Ampt infiltration methods by applying Hooghoudt and Kirkham tile drain equations using SWAT. Journal of Hydrology, 2016, 537, 311-321.	2.3	28
1304	Probabilistic Prediction for Monthly Streamflow through Coupling Stepwise Cluster Analysis and Quantile Regression Methods. Water Resources Management, 2016, 30, 5313-5331.	1.9	38
1305	Online monitoring of cement clinker quality using multivariate statistics and Takagi-Sugeno fuzzy-inference technique. Control Engineering Practice, 2016, 57, 1-17.	3.2	38
1306	Modeling the effects of future land use change on water quality under multiple scenarios: A case study of low-input agriculture with hay/pasture production. Sustainability of Water Quality and Ecology, 2016, 8, 50-66.	2.0	34
1307	Remote Sensing-Derived Water Extent and Level to Constrain Hydraulic Flood Forecasting Models: Opportunities and Challenges. Surveys in Geophysics, 2016, 37, 977-1034.	2.1	96
1308	Green roof seasonal variation: comparison of the hydrologic behavior of a thick and a thin extensive system in New York City. Environmental Research Letters, 2016, 11, 074020.	2.2	30

#	ARTICLE	IF	CITATIONS
1309	Impacts of changing climate on the hydrology and hydropower production of the Tagus River basin. <i>Hydrological Processes</i> , 2016, 30, 5039-5052.	1.1	32
1310	Assessing an Enhanced Version of SWAT on Water Quantity and Quality Simulation in Regions with Seasonal Snow Cover. <i>Water Resources Management</i> , 2016, 30, 5021-5037.	1.9	26
1311	Parameterizing GPFARM-Range model to simulate climate change impacts on hydrologic cycle in a subsurface drained pastureland. <i>Journal of Soils and Water Conservation</i> , 2016, 71, 404-413.	0.8	2
1312	Simulating soybean productivity under rainfed conditions for major soil types using APEX model in East Central Mississippi. <i>Agricultural Water Management</i> , 2016, 177, 379-391.	2.4	22
1313	Thinking outside of the lake: Can controls on nutrient inputs into Lake Erie benefit stream conservation in its watershed?. <i>Journal of Great Lakes Research</i> , 2016, 42, 1322-1331.	0.8	34
1314	Sensitivity Analysis in Hydrological Modeling for the Gulf of MÃ©xico. <i>Procedia Engineering</i> , 2016, 154, 1152-1162.	1.2	3
1315	The influence of turbulence models on the accuracy of CFD analysis of a reciprocating mechanism driven heat loop. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 277-290.	2.8	10
1316	Exploring Lake Victoria ecosystem functioning using the Atlantis modeling framework. <i>Environmental Modelling and Software</i> , 2016, 86, 158-167.	1.9	30
1317	Western Lake Erie Basin: Soft-data-constrained, NHDPlus resolution watershed modeling and exploration of applicable conservation scenarios. <i>Science of the Total Environment</i> , 2016, 569-570, 1265-1281.	3.9	46
1318	Fertilizer placement and application timing as strategies to reduce phosphorus loading to Lake Erie. <i>Journal of Great Lakes Research</i> , 2016, 42, 1281-1288.	0.8	28
1319	The response of runoff and sediment loading in the Apalachicola River, Florida to climate and land use land cover change. <i>Earth's Future</i> , 2016, 4, 124-142.	2.4	47
1320	Improvement of the integration of Soil Moisture Accounting into the NRCS-CN model. <i>Journal of Hydrology</i> , 2016, 542, 809-819.	2.3	14
1321	Defining drought in the context of stream health. <i>Ecological Engineering</i> , 2016, 94, 668-681.	1.6	11
1322	Anticipated impacts of climate change on 21st century Maumee River discharge and nutrient loads. <i>Journal of Great Lakes Research</i> , 2016, 42, 1332-1342.	0.8	43
1323	Quantifying relative uncertainties in the detection and attribution of human-induced climate change on winter streamflow. <i>Journal of Hydrology</i> , 2016, 542, 304-316.	2.3	10
1324	Comparison of predictive skills offered by Prognosean, Prognosean Plus and MyOcean real-time sea level forecasting systems. <i>Ocean Engineering</i> , 2016, 113, 44-56.	1.9	3
1325	Climate change effects on water allocations with season dependent water rights. <i>Science of the Total Environment</i> , 2016, 571, 943-954.	3.9	33
1326	Coupling the short-term global forecast system weather data with a variable source area hydrologic model. <i>Environmental Modelling and Software</i> , 2016, 86, 68-80.	1.9	15

#	ARTICLE	IF	CITATIONS
1327	A Procedure for Approximating a Complex Hydrodynamic Model by the Adaptive Time Delay Method. , 2016, , .		1
1328	Evaluation of the Impact of Land Use Change and Climate Change on Watershed Ecosystem Services in the Chenyulan Watershed. , 2016, , .		0
1329	Evaluation of Land Use, Land Management and Soil Conservation Strategies to Reduce Non-Point Source Pollution Loads in the Three Gorges Region, China. Environmental Management, 2016, 58, 906-921.	1.2	52
1330	Modeling soil loss at plot scale with EUROSEM and RUSLE2 at stony soils of Khamesan watershed, Iran. Catena, 2016, 147, 773-788.	2.2	24
1331	Regulatorsâ€™ and stakeholdersâ€™ perspectives in a framework for bioenergy development. Land Use Policy, 2016, 59, 143-153.	2.5	14
1332	Effect of conservation practices implemented by USDA programs at field and watershed scales. Journal of Soils and Water Conservation, 2016, 71, 249-266.	0.8	41
1333	Scenario-based runoff prediction for the Kaidu River basin of the Tianshan Mountains, Northwest China. Environmental Earth Sciences, 2016, 75, 1.	1.3	21
1334	Validation of a national hydrological model. Journal of Hydrology, 2016, 541, 800-815.	2.3	49
1335	Sensitivity of runoff to climatic variability in the northern and southern slopes of the Middle Tianshan Mountains, China. Journal of Arid Land, 2016, 8, 681-693.	0.9	18
1336	Simulating California reservoir operation using the classification and regressionâ€™tree algorithm combined with a shuffled crossâ€™validation scheme. Water Resources Research, 2016, 52, 1626-1651.	1.7	135
1337	Determination of unit nutrient loads for different land uses in wet periods through modelling and optimization for a semi-arid region. Journal of Hydrology, 2016, 540, 40-49.	2.3	17
1338	Groundwater level prediction using a SOM-aided stepwise cluster inference model. Journal of Environmental Management, 2016, 182, 308-321.	3.8	37
1339	Sensitivity of simulated hillslope subsurface flow to rainfall patterns, soil texture and land use. Soil Use and Management, 2016, 32, 422-432.	2.6	13
1340	An enhanced SWAT wetland module to quantify hydraulic interactions between riparian depressional wetlands, rivers and aquifers. Environmental Modelling and Software, 2016, 84, 263-289.	1.9	38
1341	A spatially distributed model for assessment of the effects of changing land use and climate on urban stream quality. Hydrological Processes, 2016, 30, 4779-4798.	1.1	34
1342	A SWAT model validation of nested-scale contemporaneous stream flow, suspended sediment and nutrients from a multiple-land-use watershed of the central USA. Science of the Total Environment, 2016, 572, 232-243.	3.9	59
1343	A long-term hydrological modelling of an extensive green roof by means of SWMM. Ecological Engineering, 2016, 95, 876-887.	1.6	157
1344	Assessment of risks due to climate change for the Upper Tamakoshi Hydropower Project in Nepal. Climate Risk Management, 2016, 14, 27-41.	1.5	36

#	ARTICLE	IF	CITATIONS
1345	Approach of Land Cover Based Asymptotic Curve Number Regression Equation to Estimate Runoff. Irrigation and Drainage, 2016, 65, 94-104.	0.8	10
1346	Projected impact of climate change on irrigation needs and groundwater resources in the metropolitan area of Hamburg (Germany). Environmental Earth Sciences, 2016, 75, 1.	1.3	16
1347	Effect of best management practice implementation on sediment and phosphorus load reductions at subwatershed and watershed scale using SWAT model. International Journal of Sediment Research, 2016, 31, 386-394.	1.8	28
1348	Predicting Streambed Sediment and Water Column Escherichia coli Levels at Watershed Scale. Journal of the American Water Resources Association, 2016, 52, 184-197.	1.0	21
1349	Effects of Urbanization and Climate Change on Peak Flows over the San Antonio River Basin, Texas. Journal of Hydrometeorology, 2016, 17, 2371-2389.	0.7	45
1350	Physical properties of peat soils under different land use options. Soil Use and Management, 2016, 32, 400-410.	2.6	24
1351	Incorporating water quality responses into the framework of best management practices optimization. Journal of Hydrology, 2016, 541, 1363-1374.	2.3	24
1352	Derivation of Rainfall Thresholds for Flash Flood Warning in a Sicilian Basin Using a Hydrological Model. Procedia Engineering, 2016, 154, 818-825.	1.2	31
1353	Potential Impacts of Projected Climate Change on Flooding in the Riviere Des Prairies Basin, Quebec, Canada: One-Dimensional and Two-Dimensional Simulation-Based Approach. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	8
1354	Evaluation of precipitation input for SWAT modeling in Alpine catchment: A case study in the Adige river basin (Italy). Science of the Total Environment, 2016, 573, 66-82.	3.9	212
1355	A system dynamics simulation model for sustainable water resources management and agricultural development in the Volta River Basin, Ghana. Science of the Total Environment, 2016, 573, 444-457.	3.9	160
1356	Investigation of the Curve Number Method For Surface Runoff Estimation In Tropical Regions. Journal of the American Water Resources Association, 2016, 52, 1155-1169.	1.0	14
1357	Introducing a new open source GIS user interface for the SWAT model. Environmental Modelling and Software, 2016, 85, 129-138.	1.9	149
1358	Improving model prediction reliability through enhanced representation of wetland soil processes and constrained model auto calibration – A paired watershed study. Journal of Hydrology, 2016, 541, 1088-1103.	2.3	18
1359	A Simplified Parametric Model for Fetch-Limited Peak Wave Frequency in Shallow Estuaries. Journal of Coastal Research, 2016, 320, 954-965.	0.1	5
1360	Water-related ecosystem services in Western Siberian lowland basins – Analysing and mapping spatial and seasonal effects on regulating services based on ecohydrological modelling results. Ecological Indicators, 2016, 71, 55-65.	2.6	56
1361	Examining runoff generation processes in the Selke catchment in central Germany: Insights from data and semi-distributed numerical model. Journal of Hydrology: Regional Studies, 2016, 7, 38-54.	1.0	15
1362	Simultaneous modelling and forecasting of hourly dissolved oxygen concentration (DO) using radial basis function neural network (RBFNN) based approach: a case study from the Klamath River, Oregon, USA. Modeling Earth Systems and Environment, 2016, 2, 1.	1.9	22

#	ARTICLE	IF	CITATIONS
1363	Flood quantiles scaling with upper soil hydraulic properties for different land uses at catchment scale. <i>Journal of Hydrology</i> , 2016, 541, 1258-1272.	2.3	16
1364	Performance Evaluation of a Developed Hybrid AOGCM Model under Climate Change. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	9
1365	Optimal Selective Withdrawal Rules Using a Coupled Data Mining Model and Genetic Algorithm. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	31
1366	Development and preliminary evaluation of an integrated field scale model for perennial bioenergy grass ecosystems in lowland areas. <i>Environmental Modelling and Software</i> , 2016, 84, 226-239.	1.9	13
1367	Applying time series models to estimate time lags between sap flux and micro-meteorological factors. <i>Ecoscience</i> , 2016, 23, 13-27.	0.6	4
1368	Simulation of maize (<i>Zea mays</i> L.) water use with the HYDRUS-1D model in the semi-arid Hailiutu River catchment, Northwest China. <i>Hydrological Sciences Journal</i> , 2016, , 1-11.	1.2	6
1369	Modelling sediment transport capacity of rill flow for loess sediments on steep slopes. <i>Catena</i> , 2016, 147, 453-462.	2.2	47
1370	Optimization of bioenergy crop selection and placement based on a stream health indicator using an evolutionary algorithm. <i>Journal of Environmental Management</i> , 2016, 181, 413-424.	3.8	13
1371	Incremental forest: a DSL for efficiently managing filestores. , 2016, , .		0
1372	Use of continuous simulation model (COSIMAT) as a complementary tool to model sewer systems: a case study on the Paruck collector, Brussels, Belgium. <i>Water and Environment Journal</i> , 2016, 30, 310-320.	1.0	2
1373	An Integrated Approach for Targeting Critical Source Areas to Control Nonpoint Source Pollution in Watersheds. <i>Water Resources Management</i> , 2016, 30, 5087-5100.	1.9	41
1374	Toward reliable calibration of aquifer hydrodynamic parameters: characterizing and optimization of arid groundwater system using swarm intelligence optimization algorithm. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	9
1375	Applying a statistical method to streamflow reduction caused by underground mining for coal in the Kuye River basin. <i>Science China Technological Sciences</i> , 2016, 59, 1911-1920.	2.0	8
1376	Impact of hydrologically driven hillslope erosion and landslide occurrence on soil organic carbon dynamics in tropical watersheds. <i>Water Resources Research</i> , 2016, 52, 8895-8919.	1.7	18
1377	Modelling the future impacts of climate and land-use change on suspended sediment transport in the River Thames (UK). <i>Journal of Hydrology</i> , 2016, 542, 357-372.	2.3	103
1378	Assessing sediment yield in Kalaya gauged watershed (Northern Morocco) using GIS and SWAT model. <i>International Soil and Water Conservation Research</i> , 2016, 4, 177-185.	3.0	73
1379	Impact of current riparian land on sediment retention in the Danube River Basin. <i>Sustainability of Water Quality and Ecology</i> , 2016, 8, 30-49.	2.0	38
1380	Forecasting suspended sediment load using regularized neural network: Case study of the Isser River (Algeria). <i>Journal of Water and Land Development</i> , 2016, 29, 75-81.	0.9	12

#	ARTICLE	IF	CITATIONS
1381	Mapping Water Vulnerability of the Yangtze River Basin: 1994–2013. <i>Environmental Management</i> , 2016, 58, 857-872.	1.2	10
1382	Valuing year-to-year hydrologic forecast improvements for a peaking hydropower system in the Sierra Nevada. <i>Water Resources Research</i> , 2016, 52, 3815-3828.	1.7	15
1383	Framework to parameterize and validate APEX to support deployment of the nutrient tracking tool. <i>Agricultural Water Management</i> , 2016, 177, 146-164.	2.4	26
1384	The INtegrated CAatchment model of phosphorus dynamics (INCA-P): Description and demonstration of new model structure and equations. <i>Environmental Modelling and Software</i> , 2016, 83, 356-386.	1.9	42
1385	Uplift capacity prediction of suction caisson in clay using a hybrid intelligence method (GMDH-HS). <i>Applied Ocean Research</i> , 2016, 59, 408-416.	1.8	38
1386	From channelization to restoration: Sociohydrologic modeling with changing community preferences in the Kissimmee River Basin, Florida. <i>Water Resources Research</i> , 2016, 52, 1227-1244.	1.7	59
1387	A comprehensive numerical analysis of the hydraulic behavior of a permeable pavement. <i>Journal of Hydrology</i> , 2016, 540, 1146-1161.	2.3	98
1388	Virtual Experiments Guide Calibration Strategies for a Real-World Watershed Application of Coupled Surface-Subsurface Modeling. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	2
1389	Downscaling of monthly precipitation using CMIP5 climate models operated under RCPs. <i>Meteorological Applications</i> , 2016, 23, 514-528.	0.9	42
1390	The dual Kc approach to assess maize and sweet sorghum transpiration and soil evaporation under saline conditions: Application of the SIMDualKc model. <i>Agricultural Water Management</i> , 2016, 177, 77-94.	2.4	32
1391	Design and Application of an Adaptive Time Delay Model for Flow Routing in Prismatic Trapezoidal Geometry River Reach. <i>Water Resources Management</i> , 2016, 30, 5687-5698.	1.9	1
1392	Discharge Driven Nitrogen Dynamics in a Mesoscale River Basin As Constrained by Stable Isotope Patterns. <i>Environmental Science & Technology</i> , 2016, 50, 9187-9196.	4.6	34
1393	Modelling triazines in the valley of the River Cauca, Colombia, using the annualized agricultural non-point source pollution model. <i>Agricultural Water Management</i> , 2016, 177, 24-36.	2.4	21
1394	Engaging Stakeholders To Define Feasible and Desirable Agricultural Conservation in Western Lake Erie Watersheds. <i>Environmental Science & Technology</i> , 2016, 50, 8135-8145.	4.6	61
1395	Uncertainty in flow and sediment projections due to future climate scenarios for the 3S Rivers in the Mekong Basin. <i>Journal of Hydrology</i> , 2016, 540, 1088-1104.	2.3	80
1396	Impacts of Climate Change on Water Resources in Malawi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	18
1397	Optimum Soil Water Content Sensors Placement in Drip Irrigation Scheduling Systems: Concept of Time Stable Representative Positions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	17
1398	Climate-Adaptive Water Year Typing for Instream Flow Requirements in California's Sierra Nevada. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	13

#	ARTICLE	IF	CITATIONS
1399	Simulation Modeling to Secure Environmental Flows in a Diversion Modified Flow Regime. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	1.3	4
1400	Modelling the effect of soil and water conservation on discharge and sediment yield in the upper Blue Nile basin, Ethiopia. Applied Geography, 2016, 73, 89-101.	1.7	30
1401	Combination of image processing and artificial neural networks as a novel approach for the identification of Bemisia tabaci and Frankliniella occidentalis on sticky traps in greenhouse agriculture. Computers and Electronics in Agriculture, 2016, 127, 495-505.	3.7	82
1402	Climate change impacts on irrigated rice and wheat production in Gomti River basin of India: a case study. SpringerPlus, 2016, 5, 1250.	1.2	27
1403	Anthropogenic gadolinium as a transient tracer for investigating river bank filtration. Science of the Total Environment, 2016, 571, 1432-1440.	3.9	27
1404	Impacts of climate change and water resources development on the declining inflow into Iran's Urmia Lake. Journal of Great Lakes Research, 2016, 42, 942-952.	0.8	98
1405	Diffuse nutrient losses and the impact factors determining their regional differences in four catchments from North to South China. Journal of Hydrology, 2016, 543, 577-594.	2.3	22
1406	A modeling approach to assess the greenhouse gas risk in Koteshwar hydropower reservoir, India. Human and Ecological Risk Assessment (HERA), 2016, 22, 1651-1664.	1.7	29
1407	Assessment of climate change impacts on water balance components of Heeia watershed in Hawaii. Journal of Hydrology: Regional Studies, 2016, 8, 182-197.	1.0	58
1408	Comparative evaluation of the effects of climate and land-cover changes on hydrologic responses of the Muskeg River, Alberta, Canada. Journal of Hydrology: Regional Studies, 2016, 8, 198-221.	1.0	30
1409	Response of macroinvertebrate communities to temporal dynamics of pesticide mixtures: A case study from the Sacramento River watershed, California. Environmental Pollution, 2016, 219, 89-98.	3.7	31
1410	Attribution of hydrological change in Heihe River Basin to climate and land use change in the past three decades. Scientific Reports, 2016, 6, 33704.	1.6	71
1411	Evaluation of crop water productivity under sprinkler irrigation regime using a distributed agro-hydrological model in an irrigation district of China. Agricultural Water Management, 2016, 178, 350-365.	2.4	23
1412	Purity homophily in social networks.. Journal of Experimental Psychology: General, 2016, 145, 366-375.	1.5	107
1413	Water availability and agricultural demand: An assessment framework using global datasets in a data scarce catchment, Rokel-Seli River, Sierra Leone. Journal of Hydrology: Regional Studies, 2016, 8, 222-234.	1.0	12
1414	The role of bioirrigation in sediment phosphorus dynamics and blooms of toxic cyanobacteria in a temperate lagoon. Environmental Modelling and Software, 2016, 86, 277-304.	1.9	8
1415	Transition of dominant peak flow source from snowmelt to rainfall along the Colorado Front Range: Historical patterns, trends, and lessons from the 2013 Colorado Front Range floods. Water Resources Research, 2016, 52, 407-422.	1.7	60
1416	Hydrologic Modelling Calibration for Operational Flood Forecasting. Water Resources Management, 2016, 30, 5671-5685.	1.9	9

#	ARTICLE	IF	CITATIONS
1417	Modelling evapotranspiration using the modified Penman-Monteith equation and MODIS data over the Albany Thicket in South Africa. , 2016, , .		0
1418	Evaluation of streamflow simulation results of land surface models in GLDAS on the Tibetan plateau. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,180.	1.2	47
1419	A water quality model applied for the rivers into the Qinhuangdao coastal water in the Bohai Sea, China. Journal of Hydrodynamics, 2016, 28, 905-913.	1.3	17
1420	Quantification and attribution of errors in the simulated annual gross primary production and latent heat fluxes by two global land surface models. Journal of Advances in Modeling Earth Systems, 2016, 8, 1270-1288.	1.3	17
1421	Evaluation of the Effect of Missing Data on the Estimation of the Analysis : A Simulation Example Using Epidemiological Survey Data. Journal of Veterinary Epidemiology, 2016, 20, 111-117.	0.2	1
1422	Testing the ability of a semidistributed hydrological model to simulate contributing area. Water Resources Research, 2016, 52, 4399-4415.	1.7	31
1423	Development and validation of the SPEC model for simulating the fate and transport of pesticide applied to Japanese upland agricultural soil. Journal of Pesticide Sciences, 2016, 41, 152-162.	0.8	1
1424	Hydrological modelling of wadi Ressoul watershed, Algeria, by HEC-HMS model. Journal of Water and Land Development, 2016, 31, 139-147.	0.9	24
1425	An assessment of the effects of fertilizer nitrogen management on nitrate leaching risk from grazed dairy pasture. Journal of Agricultural Science, 2016, 154, 407-424.	0.6	23
1426	Evaluation of Alternative Management Practices With the AnnAGNPS Model in the Carapelle Watershed. Soil Science, 2016, 181, 293-305.	0.9	25
1427	Evaluation of Soil Erosion and Sediment Yield From Ridge Watersheds Leading to GuÃ¡nica Bay, Puerto Rico, Using the Soil and Water Assessment Tool Model. Soil Science, 2016, 181, 315-325.	0.9	9
1428	Simulated future changes of extreme nutrient loads in a mesoscale agricultural watershed in Bavaria / Simulierte zukÃ¼nftige Ã„nderungen der Extremwerte fÃ¼r NÃ¤hrstofffrachten in einem mesoskaligen landwirtschaftlichen Einzugsgebiet in Bayern. Bodenkultur, 2016, 67, 77-90.	0.1	1
1429	Pulsed Flow Wave Attenuation on a Regulated Montane River. River Research and Applications, 2016, 32, 1047-1058.	0.7	6
1430	Ecohydrology of groundwaterâ€dependent grasslands of the semiâ€arid Horqin sandy land of inner Mongolia focusing on evapotranspiration partition. Ecohydrology, 2016, 9, 1052-1067.	1.1	15
1431	Modelling the impact of agroforestry on hydrology of Mara River Basin in East Africa. Hydrological Processes, 2016, 30, 3139-3155.	1.1	57
1432	Regional climate change projections of streamflow characteristics in the Northeast and Midwest U.S.. Journal of Hydrology: Regional Studies, 2016, 5, 309-323.	1.0	59
1433	Trend Analysis and Forecast of Precipitation, Reference Evapotranspiration, and Rainfall Deficit in the Blackland Prairie of Eastern Mississippi. Journal of Applied Meteorology and Climatology, 2016, 55, 1425-1439.	0.6	60
1434	Effects of field storage method on E. coli concentrations measured in storm water runoff. Environmental Monitoring and Assessment, 2016, 188, 170.	1.3	9

#	ARTICLE	IF	CITATIONS
1435	What is Missing from the Prescription of Hydrology for Land Surface Schemes?. Journal of Hydrometeorology, 2016, 17, 2013-2039.	0.7	25
1436	Evaluating the Impact of Legacy P and Agricultural Conservation Practices on Nutrient Loads from the Maumee River Watershed. Environmental Science & Technology, 2016, 50, 8146-8154.	4.6	93
1437	Methodology and Application of the Combined SWAT-HSPF Model. Environmental Processes, 2016, 3, 645-661.	1.7	7
1438	Impacts of DEM uncertainties on critical source areas identification for non-point source pollution control based on SWAT model. Journal of Hydrology, 2016, 540, 355-367.	2.3	60
1439	Different modelling approaches to evaluate nitrogen transport and turnover at the watershed scale. Journal of Hydrology, 2016, 539, 478-494.	2.3	20
1440	Simulating the spatio-temporal dynamics of soil erosion, deposition, and yield using a coupled sediment dynamics and 3D distributed hydrologic model. Environmental Modelling and Software, 2016, 83, 310-325.	1.9	22
1441	Hydrological modeling of a watershed affected by acid mine drainage (Odiel River, SW Spain). Assessment of the pollutant contributing areas. Journal of Hydrology, 2016, 540, 196-206.	2.3	23
1442	Simulation of field-measured soil loss in Mediterranean hilly areas (Chianti, Italy) with RUSLE. Catena, 2016, 145, 246-256.	2.2	68
1443	Creating a non-linear total sediment load formula using polynomial best subset regression model. Journal of Hydrology, 2016, 539, 662-673.	2.3	14
1444	Calibration of the Hargreaves-Samani method for the calculation of reference evapotranspiration in different Köppen climate classes. Hydrology Research, 2016, 47, 521-531.	1.1	39
1445	Multilayer perceptron neural network-based approach for modeling phycocyanin pigment concentrations: case study from lower Charles River buoy, USA. Environmental Science and Pollution Research, 2016, 23, 17210-17225.	2.7	28
1446	Two-phase approach to improve stream health modeling. Ecological Informatics, 2016, 34, 13-21.	2.3	10
1447	Index Test Method for Estimating the Effective Preconsolidation Stress in Clay Deposits. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	13
1448	Can land-use change mitigate long-term flood risks in the Prairie Pothole Region? The case of Devils Lake, North Dakota, USA. Regional Environmental Change, 2016, 16, 2443-2456.	1.4	24
1449	Comparative Study of Evolutionary Algorithms for the Automatic Calibration of the Medbasin-D Conceptual Hydrological Model. Environmental Processes, 2016, 3, 629-644.	1.7	21
1450	WRF model sensitivity for simulating intense western disturbances over North West India. Modeling Earth Systems and Environment, 2016, 2, 1.	1.9	20
1451	Field data-based implementation of land management and terraces on the catchment scale for an eco-hydrological modelling approach in the Three Gorges Region, China. Agricultural Water Management, 2016, 175, 43-60.	2.4	15
1452	Assessment of land cover change on the hydrology of a Brazilian headwater watershed using the Distributed Hydrology-Soil-Vegetation Model. Catena, 2016, 143, 7-17.	2.2	62

#	ARTICLE	IF	CITATIONS
1453	Inferring the interconnections between surface water bodies, tile-drains and an unconfined aquiferâ€“aquitard system: A case study. <i>Journal of Hydrology</i> , 2016, 537, 86-95.	2.3	16
1454	Stable isotopes reduce parameter uncertainty of an estuarine carbon cycling model. <i>Environmental Modelling and Software</i> , 2016, 79, 233-255.	1.9	15
1455	Impacts of biofuel-based land-use change on water quality and sustainability in a Kansas watershed. <i>Agricultural Water Management</i> , 2016, 175, 4-14.	2.4	13
1456	The effects of current landscape configuration on streamflow within selected small watersheds of the Atlanta metropolitan region. <i>Journal of Hydrology: Regional Studies</i> , 2016, 5, 276-292.	1.0	14
1457	Using glacier area ratio to quantify effects of melt water on runoff. <i>Journal of Hydrology</i> , 2016, 538, 269-277.	2.3	38
1458	Calibration of UV/Vis spectrophotometers: A review and comparison of different methods to estimate TSS and total and dissolved COD concentrations in sewers, WWTPs and rivers. <i>Water Research</i> , 2016, 101, 519-534.	5.3	58
1459	Coupling uranium series and ¹⁰ Be cosmogenic radionuclides to evaluate steady-state soil thickness in the Betic Cordillera. <i>Chemical Geology</i> , 2016, 446, 99-109.	1.4	14
1460	Pollen-based predictive modelling of wine production: application to an arid region. <i>European Journal of Agronomy</i> , 2016, 73, 42-54.	1.9	34
1461	A user-driven case-based reasoning tool for infilling missing values in daily mean river flow records. <i>Environmental Modelling and Software</i> , 2016, 82, 308-320.	1.9	18
1462	Description and evaluation of a surface runoff susceptibility mapping method. <i>Journal of Hydrology</i> , 2016, 541, 495-509.	2.3	20
1463	Regional scale hydrologic modeling of a karst-dominant geomorphology: The case study of the Island of Crete. <i>Journal of Hydrology</i> , 2016, 540, 64-81.	2.3	72
1464	Sediment yield in Paraopeba River Basin â€“ MG, Brazil. <i>International Journal of River Basin Management</i> , 2016, 14, 367-377.	1.5	8
1465	Spatial Variability of Biofuel Production Potential and Hydrologic Fluxes of Land Use Change from Cotton (<i>Gossypium hirsutum</i> L.) to Alamo Switchgrass (<i>Panicum virgatum</i> L.) in the Texas High Plains. <i>Bioenergy Research</i> , 2016, 9, 1126-1141.	2.2	6
1466	Use of Optimally Pruned Extreme Learning Machine (OP-ELM) in Forecasting Dissolved Oxygen Concentration (DO) Several Hours in Advance: a Case Study from the Klamath River, Oregon, USA. <i>Environmental Processes</i> , 2016, 3, 909-937.	1.7	36
1467	The Hydropower Potential Assessment Tool (HPAT): Evaluation of run-of-river resource potential for any global land area and application to Falls Creek, Oregon, USA. <i>Renewable Energy</i> , 2016, 97, 492-503.	4.3	9
1468	Effects of Roughness Length Parameterizations on Regional-Scale Land Surface Modeling of Alpine Grasslands in the Yangtze River Basin. <i>Journal of Hydrometeorology</i> , 2016, 17, 1069-1085.	0.7	17
1469	High-resolution simulation of the spatial pattern of water use in continental China. <i>Hydrological Sciences Journal</i> , 2016, 61, 2626-2638.	1.2	7
1470	Sensitivity of streamflow and microbial water quality to future climate and land use change in the West of Ireland. <i>Regional Environmental Change</i> , 2016, 16, 2111-2128.	1.4	12

#	ARTICLE	IF	CITATIONS
1471	Identifying areas sensitive to land use/land cover change for downstream flooding in a coastal Alabama watershed. <i>Regional Environmental Change</i> , 2016, 16, 1833-1845.	1.4	16
1472	Response of Soil Moisture to Hydro-meteorological Variables Under Different Precipitation Gradients in the Yellow River Basin. <i>Water Resources Management</i> , 2016, 30, 1867-1884.	1.9	21
1473	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. <i>Journal of Mountain Science</i> , 2016, 13, 614-632.	0.8	33
1474	Modelling the effect of riparian vegetation restoration on sediment transport in a human-impacted Brazilian catchment. <i>Ecohydrology</i> , 2016, 9, 1289-1303.	1.1	29
1475	Assessing the effects of land cover and future climate conditions on the provision of hydrological services in a medium-sized watershed of Portugal. <i>Hydrological Processes</i> , 2016, 30, 720-738.	1.1	69
1476	Projecting spring wheat yield changes on the Canadian Prairies: effects of resolutions of a regional climate model and statistical processing. <i>International Journal of Climatology</i> , 2016, 36, 3492-3506.	1.5	17
1477	Role of Environmental Forcings on Fecal Contamination Behavior in a Small Intermittent Coastal Stream: Case Study of the Aljezur Coastal Stream, Portugal. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	6
1478	Attribution of Runoff Decline in the Amu Darya River in Central Asia during 1951-2007. <i>Journal of Hydrometeorology</i> , 2016, 17, 1543-1560.	0.7	35
1479	Multi-objective calibration of the physically based, spatially distributed SHETRAN hydrological model. <i>Journal of Hydroinformatics</i> , 2016, 18, 428-445.	1.1	17
1480	Application of a rainfall-runoff model for regional-scale flood inundation mapping for the Langat River Basin. <i>Water Practice and Technology</i> , 2016, 11, 373-383.	1.0	5
1481	Water-level regulation for freshwater management of Bosten Lake in Xinjiang, China. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 828-836.	1.0	10
1482	Large-scale Fine-resolution Hydrological Modeling Using Parameter Regionalization in the Missouri River Basin. <i>Journal of the American Water Resources Association</i> , 2016, 52, 648-666.	1.0	28
1483	Models for predicting enteric methane emissions from dairy cows in North America, Europe, and Australia and New Zealand. <i>Global Change Biology</i> , 2016, 22, 3039-3056.	4.2	103
1484	Improved Recharge Estimation from Portable, Low-cost Weather Stations. <i>Ground Water</i> , 2016, 54, 243-254.	0.7	12
1485	Hydrological response due to projected climate variability in Haw River watershed, North Carolina, USA. <i>Hydrological Sciences Journal</i> , 2016, 61, 495-506.	1.2	24
1486	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. <i>Hydrological Sciences Journal</i> , 2016, 61, 793-800.	1.2	21
1487	Projecting yield changes of spring wheat under future climate scenarios on the Canadian Prairies. <i>Theoretical and Applied Climatology</i> , 2016, 123, 651-669.	1.3	46
1488	Prediction of precipitation in Golestan dam watershed using climate signals. <i>Theoretical and Applied Climatology</i> , 2016, 123, 671-682.	1.3	9

#	ARTICLE	IF	CITATIONS
1489	Projections of hydrology in the Tocantins-Araguaia Basin, Brazil: uncertainty assessment using the CMIP5 ensemble. <i>Hydrological Sciences Journal</i> , 2016, 61, 551-567.	1.2	32
1490	On the ability of large-scale hydrological models to simulate land use and land cover change impacts in Amazonian basins. <i>Hydrological Sciences Journal</i> , 0, , 1-16.	1.2	14
1491	Evaluation of the Best Management Practices at the Watershed Scale to Attenuate Peak Streamflow Under Climate Change Scenarios. <i>Water Resources Management</i> , 2016, 30, 963-982.	1.9	34
1492	Potential implications of pre-storm soil moisture on hydrological prediction. <i>Journal of Hydro-Environment Research</i> , 2016, 11, 1-15.	1.0	2
1493	One-day offset in daily hydrologic modeling: An exploration of the issue in automatic model calibration. <i>Journal of Hydrology</i> , 2016, 534, 164-177.	2.3	13
1494	Predictive Modeling Techniques to Forecast Energy Demand in the United States: A Focus on Economic and Demographic Factors. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2016, 138, .	1.4	19
1495	Ecosystem services and biodiversity conservation under forestation scenarios: options to improve management in the Vez watershed, NW Portugal. <i>Regional Environmental Change</i> , 2016, 16, 1557-1570.	1.4	23
1496	Rebuttal to "Estimation of dissolved oxygen using data-driven techniques in the Tai Po River, Hong Kong" Samira Nemati, Mohammad Hasan Fazelifard, Özlem Terzi and Mohammad Ali Ghorbani. <i>Environmental Earth Science</i> (2015). doi:10.1007/s12665-015-4450-3. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	0
1497	Potential of the LASH model for water resources management in data-scarce basins: a case study of the Fragata River basin, southern Brazil. <i>Hydrological Sciences Journal</i> , 2016, 61, 2567-2578.	1.2	38
1498	Predictive Simulation of Seawater Intrusion in a Tropical Coastal Aquifer. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	14
1499	Excess Stormwater Quantification in Ungauged Watersheds Using an Event-Based Modified NRCS Model. <i>Water Resources Management</i> , 2016, 30, 1433-1448.	1.9	6
1500	SWATDRAIN, a new model to simulate the hydrology of agricultural Lands, model development and evaluation. <i>Biosystems Engineering</i> , 2016, 141, 31-47.	1.9	13
1501	Hydrogeologic influence on changes in snowmelt runoff with climate warming: Numerical experiments on a mid-elevation catchment in the Sierra Nevada, USA. <i>Journal of Hydrology</i> , 2016, 533, 332-342.	2.3	31
1502	Impact of Human Intervention and Climate Change on Natural Flow Regime. <i>Water Resources Management</i> , 2016, 30, 685-699.	1.9	100
1503	Assessing the effects of indirect wastewater reuse on paddy irrigation in the Osan River watershed in Korea using the SWAT model. <i>Agricultural Water Management</i> , 2016, 163, 393-402.	2.4	16
1504	Water quality modelling in the San Antonio River Basin driven by radar rainfall data. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 953-970.	2.0	9
1505	Using Densely Distributed Soil Moisture Observations for Calibration of a Hydrologic Model. <i>Journal of Hydrometeorology</i> , 2016, 17, 571-590.	0.7	20
1506	Assessment of the soil water content in the Pampas region using SWAT. <i>Catena</i> , 2016, 137, 298-309.	2.2	45

#	ARTICLE	IF	CITATIONS
1507	Uncertainties of the Gravity Recovery and Climate Experiment time-variable gravity-field solutions based on three-cornered hat method. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 015015.	0.6	57
1508	Modeling Agricultural Watersheds with the Soil and Water Assessment Tool (SWAT): Calibration and Validation with a Novel Procedure for Spatially Explicit HRUs. <i>Environmental Management</i> , 2016, 57, 894-911.	1.2	73
1509	MATLAB Hydrological Index Tool (MHIT): A high performance library to calculate 171 ecologically relevant hydrological indices. <i>Ecological Informatics</i> , 2016, 33, 17-23.	2.3	9
1510	Modeling of soil loss and its impact factors in the Guijiang Karst River Basin in Southern China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	12
1511	Structural uncertainty in watershed phosphorus modeling: Toward a stochastic framework. <i>Journal of Hydrology</i> , 2016, 537, 36-44.	2.3	8
1512	Development of enhanced groundwater arsenic prediction model using machine learning approaches in Southeast Asian countries. <i>Desalination and Water Treatment</i> , 2016, 57, 12227-12236.	1.0	26
1513	Modelling the impacts of wildfires on runoff at the river basin ecological scale in a changing Mediterranean environment. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	10
1514	Watershed-scale impacts of bioenergy crops on hydrology and water quality using improved <sc>SWAT</sc> model. <i>GCB Bioenergy</i> , 2016, 8, 837-848.	2.5	76
1515	Modeling seasonal variability of fecal coliform in natural surface waters using the modified SWAT. <i>Journal of Hydrology</i> , 2016, 535, 377-385.	2.3	48
1516	How Will Climate Change Affect the Water Availability in the Heihe River Basin, Northwest China?. <i>Journal of Hydrometeorology</i> , 2016, 17, 1517-1542.	0.7	53
1517	Factors controlling phosphorus export from agricultural/forest and residential systems to rivers in eastern China, 1980-2011. <i>Journal of Hydrology</i> , 2016, 533, 53-61.	2.3	33
1518	Can a GIS toolbox assess the environmental risk of oil spills? Implementation for oil facilities in harbors. <i>Journal of Environmental Management</i> , 2016, 170, 105-115.	3.8	17
1519	Factors controlling inter-catchment variation of mean transit time with consideration of temporal variability. <i>Journal of Hydrology</i> , 2016, 534, 193-204.	2.3	15
1520	Using climate change scenarios to evaluate future effectiveness of potential wetlands in mitigating high flows in a Midwestern U.S. watershed. <i>Ecological Engineering</i> , 2016, 89, 80-102.	1.6	27
1521	Modeling middle and final flush effects of urban runoff pollution in an urbanizing catchment. <i>Journal of Hydrology</i> , 2016, 534, 638-647.	2.3	40
1522	Chlorophyll- <i>a</i> concentration estimation using three difference bio-optical algorithms, including a correction for the low-concentration range: the case of the Yiam reservoir, Korea. <i>Remote Sensing Letters</i> , 2016, 7, 407-416.	0.6	14
1523	Modelling the potential impacts of climate change on hydrology and water resources in the Indrawati River Basin, Nepal. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	55
1524	Water Balance in Irrigation Reservoirs Considering Flood Control and Irrigation Efficiency Variation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	28

#	ARTICLE	IF	CITATIONS
1525	The future nexus of the Brahmaputra River Basin: Climate, water, energy and food trajectories. <i>Global Environmental Change</i> , 2016, 37, 16-30.	3.6	92
1526	Evaluating five remote sensing based single-source surface energy balance models for estimating daily evapotranspiration in a humid subtropical climate. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 49, 75-86.	1.4	94
1527	Modelling bulk surface resistance by MODIS data and assessment of MOD16A2 evapotranspiration product in an irrigation district of Southern Italy. <i>Agricultural Water Management</i> , 2016, 167, 86-94.	2.4	62
1528	SWAT-CS enm : Enhancing SWAT nitrate module for a Canadian Shield catchment. <i>Science of the Total Environment</i> , 2016, 550, 598-610.	3.9	15
1529	Extended SWAT model for dissolved reactive phosphorus transport in tile-drained fields and catchments. <i>Agricultural Water Management</i> , 2016, 175, 78-90.	2.4	16
1530	Using SWAT to enhance watershed-based plans to meet numeric water quality standards. <i>Sustainability of Water Quality and Ecology</i> , 2016, 7, 5-21.	2.0	11
1531	Misrepresentation and amendment of soil moisture in conceptual hydrological modelling. <i>Journal of Hydrology</i> , 2016, 535, 637-651.	2.3	20
1532	The effects of climate change and extreme wildfire events on runoff erosion over a mountain watershed. <i>Journal of Hydrology</i> , 2016, 536, 74-91.	2.3	35
1533	Estimating the Impact of Climate Change on Water Availability in Bagmati Basin, Nepal. <i>Environmental Processes</i> , 2016, 3, 1-17.	1.7	63
1534	Approach for evaluating inundation risks in urban drainage systems. <i>Science of the Total Environment</i> , 2016, 553, 1-12.	3.9	83
1535	Numerical study on the urbanisation of Putrajaya and its interaction with the local climate, over a decade. <i>Urban Climate</i> , 2016, 16, 1-24.	2.4	32
1536	Spatiotemporal patterns and source attribution of nitrogen load in a river basin with complex pollution sources. <i>Water Research</i> , 2016, 94, 187-199.	5.3	95
1537	Simulation modeling for water governance in basins based on surface water and groundwater. <i>Agricultural Water Management</i> , 2016, 174, 22-29.	2.4	43
1538	A joined multi-metric calibration of river discharge and nitrate loads with different performance measures. <i>Journal of Hydrology</i> , 2016, 536, 534-545.	2.3	34
1539	Dynamic Modeling of an Activated Sludge Process: Case Study on Paper Mill Effluents. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	2
1540	Predicting Effluent Biochemical Oxygen Demand in a Wastewater Treatment Plant Using Generalized Regression Neural Network Based Approach: A Comparative Study. <i>Environmental Processes</i> , 2016, 3, 153-165.	1.7	56
1541	Assessing potassium environmental losses from a dairy farming watershed with the modified SWAT model. <i>Agricultural Water Management</i> , 2016, 175, 91-104.	2.4	8
1542	Forecasting electricity consumption in Pakistan: the way forward. <i>Energy Policy</i> , 2016, 90, 73-80.	4.2	134

#	ARTICLE	IF	CITATIONS
1543	Watershed-scale evaluation of the Water Erosion Prediction Project (WEPP) model in the Lake Tahoe basin. <i>Journal of Hydrology</i> , 2016, 533, 389-402.	2.3	37
1544	Assessment of Cartosat-1 DEM for Modeling Floods in Data Scarce Regions. <i>Water Resources Management</i> , 2016, 30, 1293-1309.	1.9	21
1545	Modeling water use, transpiration and soil evaporation of spring wheatâ€“maize and spring wheatâ€“sunflower relay intercropping using the dual crop coefficient approach. <i>Agricultural Water Management</i> , 2016, 165, 211-229.	2.4	72
1546	Coupling SWAT and ANN models for enhanced daily streamflow prediction. <i>Journal of Hydrology</i> , 2016, 533, 141-151.	2.3	176
1547	Mid- and long-term runoff predictions by an improved phase-space reconstruction model. <i>Environmental Research</i> , 2016, 148, 560-573.	3.7	27
1548	Identifying non-point source critical source areas based on multi-factors at a basin scale with SWAT. <i>Journal of Hydrology</i> , 2016, 533, 379-388.	2.3	115
1549	Runoff Estimation Using the NRCS Slope-Adjusted Curve Number in Mountainous Watersheds. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	24
1550	Evaluating CFSR and WATCH Data as Input to SWAT for the Estimation of the Potential Evapotranspiration in a Data-Scarce Eastern-African Catchment. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	29
1551	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.	2.4	22
1552	Pasture BMP effectiveness using an HRU-based subarea approach in SWAT. <i>Journal of Environmental Management</i> , 2016, 166, 276-284.	3.8	22
1553	Sensitivity of mGROWA-simulated groundwater recharge to changes in soil and land use parameters in a Mediterranean environment and conclusions in view of ensemble-based climate impact simulations. <i>Science of the Total Environment</i> , 2016, 543, 937-951.	3.9	19
1554	Assessing the implications of water harvesting intensification on upstreamâ€“downstream ecosystem services: A case study in the Lake Tana basin. <i>Science of the Total Environment</i> , 2016, 542, 22-35.	3.9	71
1555	Hydrological modeling and climate change impacts in an agricultural semiarid region. Case study: Guadalupe River basin, Mexico. <i>Agricultural Water Management</i> , 2016, 175, 29-42.	2.4	59
1556	Ecohydrological modeling for large-scale environmental impact assessment. <i>Science of the Total Environment</i> , 2016, 543, 274-286.	3.9	26
1557	Climate change impacts on streamflow and sediment yield in the North of Iran. <i>Hydrological Sciences Journal</i> , 2016, 61, 123-133.	1.2	77
1558	Potential impacts of climate change on flow regime and fish habitat in mountain rivers of the south-western Balkans. <i>Science of the Total Environment</i> , 2016, 540, 418-428.	3.9	86
1559	Assessment of climate change downscaling and non-stationarity on the spatial pattern of a mangrove ecosystem in an arid coastal region of southern Iran. <i>Theoretical and Applied Climatology</i> , 2016, 126, 35-49.	1.3	22
1560	Combining digital soil mapping and hydrological modeling in a data scarce watershed in north-central Portugal. <i>Geoderma</i> , 2016, 264, 350-362.	2.3	40

#	ARTICLE	IF	CITATIONS
1561	Evaluating ephemeral gully erosion impact on Zea mays L. yield and economics using AnnAGNPS. Soil and Tillage Research, 2016, 155, 157-165.	2.6	31
1562	High-Resolution Simulations of Decadal Climate Variability Impacts on Water Yield in the Missouri River Basin with the Soil and Water Assessment Tool (SWAT). Journal of Hydrometeorology, 2016, 17, 2455-2476.	0.7	17
1563	Exploring the hydrological impact of increasing urbanisation on a tropical river catchment of the metropolitan Jakarta, Indonesia. Sustainable Cities and Society, 2016, 20, 210-221.	5.1	73
1564	Dynamic integration of land use changes in a hydrologic assessment of a rapidly developing Indian catchment. Science of the Total Environment, 2016, 539, 153-164.	3.9	88
1565	How Does Availability of Meteorological Forcing Data Impact Physically Based Snowpack Simulations?*. Journal of Hydrometeorology, 2016, 17, 99-120.	0.7	56
1566	MODIS-Based Potential Evapotranspiration Demand Curves for the Sacramento Soil Moisture Accounting Model. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	7
1567	Land Use and Land Cover Impact on Probable Maximum Flood and Sedimentation for Artificial Reservoirs: Case Study in the Western United States. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	9
1568	Free fall of water drops in laboratory rainfall simulations. Atmospheric Research, 2016, 168, 158-168.	1.8	13
1569	Analysis of Constrained Optimization Problems by the SCE-UA with an Adaptive Penalty Function. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	8
1570	Hydrological Responses to Land-Use Change Scenarios under Constant and Changed Climatic Conditions. Environmental Management, 2016, 57, 412-431.	1.2	43
1571	Determination of pollutant concentrations in the Krasny Brod River profile based on the Buckingham theorem. Desalination and Water Treatment, 2016, 57, 2693-2701.	1.0	8
1572	New Multisite Cascading Calibration Approach for Hydrological Models: Case Study in the Red River Basin Using the VIC Model. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	47
1573	Performance Comparison of SAS-Multilayer Perceptron and Wavelet-Multilayer Perceptron Models in Terms of Daily Streamflow Prediction. Journal of Hydrologic Engineering - ASCE, 2016, 21, 04015051.	0.8	5
1574	Estimation of Furrow Irrigation Sediment Loss Using an Artificial Neural Network. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, .	0.6	9
1575	Effects of afforestation on runoff and sediment load in an upland Mediterranean catchment. Science of the Total Environment, 2016, 540, 144-157.	3.9	90
1576	Climate change and consequences on the water cycle in the humid Xiangjiang River Basin, China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 225-235.	1.9	19
1577	Analyses of freshwater stress with a couple ground and surface water model in the Pra Basin, Ghana. Applied Water Science, 2017, 7, 137-153.	2.8	4
1578	Evaluation of TRMM-Precipitation with Rain-Gauge Observation Using Hydrological Model J2000. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	13

#	ARTICLE	IF	CITATIONS
1579	Predicting of salt water intrusion in the Sebou river estuary (Morocco). <i>Journal of Applied Water Engineering and Research</i> , 2017, 5, 40-50.	1.0	20
1580	Application of partial least squares regression and WetSpa model to determine factors controlling sediment yield in Chardavol watershed, Iran. <i>Geocarto International</i> , 2017, 32, 386-400.	1.7	2
1581	Evaluation of executable best management practices in Haean highland agricultural catchment of South Korea using SWAT. <i>Agricultural Water Management</i> , 2017, 180, 224-234.	2.4	50
1582	Influence of Inputâ€Scrap Quality on the Environmental Impact of Secondary Steel Production. <i>Journal of Industrial Ecology</i> , 2017, 21, 391-401.	2.8	50
1583	Long-term evaluation of the BMPs scenarios in reducing nutrient surface loads from paddy rice cultivation in Korea using the CREAMS-PADDY model. <i>Paddy and Water Environment</i> , 2017, 15, 59-69.	1.0	11
1584	Predicting the Interactive Rendering Time Threshold of Gaussian Process Models With HyperSlice. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2017, 23, 1111-1123.	2.9	0
1585	Prediction of nitrogen oxides emissions at the national level based on optimized artificial neural network model. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 15-23.	1.5	25
1586	Assessing the supplementary irrigation for improving crop productivity in water stress region using spatial hydrological model. <i>Geocarto International</i> , 2017, 32, 1-17.	1.7	29
1587	Assessment of climate change impact on water diversion strategies of Melamchi Water Supply Project in Nepal. <i>Theoretical and Applied Climatology</i> , 2017, 128, 311-323.	1.3	27
1588	Estimating flow data in urban drainage using partial least squares regression. <i>Urban Water Journal</i> , 2017, 14, 467-474.	1.0	6
1589	Weather Radar Adjustment Using Runoff from Urban Surfaces. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	0
1590	Hierarchical stochastic modelling of large river ecosystems and fish growth across spatio-temporal scales and climate models: the Missouri River endangered pallid sturgeon example. <i>Geological Society Special Publication</i> , 2017, 408, 119-145.	0.8	3
1591	Nonparametric Treeâ€Based Predictive Modeling of Storm Outages on an Electric Distribution Network. <i>Risk Analysis</i> , 2017, 37, 441-458.	1.5	55
1592	Decadal Trends of Soil Loss and Runoff in the Koga Catchment, Northwestern Ethiopia. <i>Land Degradation and Development</i> , 2017, 28, 1806-1819.	1.8	16
1593	Soil and Nutrient Losses in a Flat Landâ€Reclamation District of Central Italy. <i>Land Degradation and Development</i> , 2017, 28, 638-647.	1.8	13
1594	Evaluation of Sediment Deposition in a Mediterranean Reservoir: Comparison of Long Term Bathymetric Measurements and SWAT Estimations. <i>Land Degradation and Development</i> , 2017, 28, 566-578.	1.8	16
1595	Glacier mass balance simulation using SWAT distributed snow algorithm. <i>Hydrological Sciences Journal</i> , 2017, 62, 546-560.	1.2	28
1596	Conjunctive use of saline and non-saline water in an irrigation district of the Yellow River Basin. <i>Irrigation and Drainage</i> , 2017, 66, 147-162.	0.8	26

#	ARTICLE	IF	CITATIONS
1597	Modeling sediment concentration and discharge variations in a small Ethiopian watershed with contributions from an unpaved road. <i>Journal of Hydrology and Hydromechanics</i> , 2017, 65, 1-17.	0.7	16
1598	Modelling of Response of the Growth and Yield of Soybean to Full and Deficit Irrigation by Using Aquacrop. <i>Irrigation and Drainage</i> , 2017, 66, 192-205.	0.8	22
1599	Application of artificial neural networks for estimating Cd, Zn, Pb removal efficiency from wastewater using complexation-microfiltration process. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1383-1396.	1.8	10
1600	Climate change impacts under CMIP5 RCP scenarios on water resources of the Kelantan River Basin, Malaysia. <i>Atmospheric Research</i> , 2017, 189, 1-10.	1.8	147
1601	Development of RWQM1-based integrated water quality model in OpenMI with application to the River Zenne, Belgium. <i>Hydrological Sciences Journal</i> , 2017, 62, 774-799.	1.2	12
1602	Stabilization of benthic algal biomass in a temperate stream draining agroecosystems. <i>Water Research</i> , 2017, 108, 432-443.	5.3	9
1603	Assessing the sensitivity of SWAT physical parameters to potential evapotranspiration estimation methods over a coastal plain watershed in the southeastern United States. <i>Hydrology Research</i> , 2017, 48, 395-415.	1.1	21
1604	Improving riverine constituent concentration and flux estimation by accounting for antecedent discharge conditions. <i>Journal of Hydrology</i> , 2017, 547, 387-402.	2.3	25
1605	Application of SWAT in an Indian river basin for modeling runoff, sediment and water balance. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	51
1606	Development of PCA-based cluster quantile regression (PCA-CQR) framework for streamflow prediction: Application to the Xiangxi river watershed, China. <i>Applied Soft Computing Journal</i> , 2017, 51, 280-293.	4.1	24
1607	Data assimilation of satellite-based actual evapotranspiration in a distributed hydrological model of a controlled water system. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 57, 123-135.	1.4	28
1608	Urbanization impacts on surface runoff of the contiguous United States. <i>Journal of Environmental Management</i> , 2017, 187, 470-481.	3.8	109
1609	Impacts of combining reanalyses and weather station data on the accuracy of discharge modelling. <i>Journal of Hydrology</i> , 2017, 545, 120-131.	2.3	18
1610	Scenario analysis for assessing the impact of hydraulic fracturing on stream low flows using the SWAT model. <i>Hydrological Sciences Journal</i> , 2017, 62, 849-861.	1.2	8
1611	Validation and calibration of structural models that combine information from multiple sources. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2017, 17, 27-37.	0.7	1
1612	Water use on nonirrigated pasture-based dairy farms: Combining detailed monitoring and modeling to set benchmarks. <i>Journal of Dairy Science</i> , 2017, 100, 828-840.	1.4	15
1613	Integrating weather and climate predictions for seamless hydrologic ensemble forecasting: A case study in the Yalong River basin. <i>Journal of Hydrology</i> , 2017, 547, 196-207.	2.3	34
1614	Identifying separate impacts of climate and land use/cover change on hydrological processes in upper stream of Heihe River, Northwest China. <i>Hydrological Processes</i> , 2017, 31, 1100-1112.	1.1	127

#	ARTICLE	IF	CITATIONS
1615	Modelling maize yield response to plant density and water and nitrogen supply in a semi-arid region. <i>Field Crops Research</i> , 2017, 205, 170-181.	2.3	17
1616	Future water availability in the largest freshwater Mediterranean lake is at great risk as evidenced from simulations with the SWAT model. <i>Science of the Total Environment</i> , 2017, 581-582, 413-425.	3.9	62
1617	Setting up a simplified salt intrusion model with data from a hydrological network. <i>International Journal of River Basin Management</i> , 2017, 15, 145-159.	1.5	0
1618	The Watershed Flow and Allocation Model: An NHDPlus-Based Watershed Modeling Approach for Multiple Scales and Conditions. <i>Journal of the American Water Resources Association</i> , 2017, 53, 6-29.	1.0	14
1619	Fish and Invertebrate Flow-Biology Relationships to Support the Determination of Ecological Flows for North Carolina. <i>Journal of the American Water Resources Association</i> , 2017, 53, 42-55.	1.0	19
1620	Climate-change influences on the response of macroinvertebrate communities to pesticide contamination in the Sacramento River, California watershed. <i>Science of the Total Environment</i> , 2017, 581-582, 741-749.	3.9	22
1621	Comparing Simulated Nitrate-Nitrogen Concentration In Subsurface Drainage Using Drainmod-N II and RZWQM2. <i>Irrigation and Drainage</i> , 2017, 66, 238-251.	0.8	9
1622	Towards an improved ensemble precipitation forecast: A probabilistic post-processing approach. <i>Journal of Hydrology</i> , 2017, 546, 476-489.	2.3	43
1623	Calibration and Sensitivity Analysis of Sahysmod for Modeling Field Soil and Groundwater Salinity Dynamics in Coastal Rainfed Farmland. <i>Irrigation and Drainage</i> , 2017, 66, 411-427.	0.8	3
1624	Evaluation of CFSR, TMPA 3B42 and ground-based rainfall data as input for hydrological models, in data-scarce regions: The upper Blue Nile Basin, Ethiopia. <i>Catena</i> , 2017, 152, 242-251.	2.2	60
1625	Predicting saltwater intrusion into aquifers in vicinity of deserts using spatio-temporal kriging. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 81.	1.3	14
1626	Evaluation of the applicability of climate forecast system reanalysis weather data for hydrologic simulation: A case study in the Bahe River Basin of the Qinling Mountains, China. <i>Journal of Chinese Geography</i> , 2017, 27, 546-564.	1.5	20
1627	Breaking walls towards fully open source hydrological modeling. <i>Water Resources</i> , 2017, 44, 23-30.	0.3	8
1628	Assessing the hydrological response from an ensemble of CMIP5 climate projections in the transition zone of the Atlantic region (Bay of Biscay). <i>Journal of Hydrology</i> , 2017, 548, 46-62.	2.3	45
1629	Modelling metaldehyde in catchments: a River Thames case-study. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 586-595.	1.7	19
1630	High resolution modelling of soil moisture patterns with TerrSysMP: A comparison with sensor network data. <i>Journal of Hydrology</i> , 2017, 547, 309-331.	2.3	17
1631	Effects of abiotic factors on ecosystem health of Taihu Lake, China based on eco-exergy theory. <i>Scientific Reports</i> , 2017, 7, 42872.	1.6	10
1632	The Relationship between Land Use and Vulnerability to Nitrogen and Phosphorus Pollution in an Urban Watershed. <i>Journal of Environmental Quality</i> , 2017, 46, 113-122.	1.0	47

#	ARTICLE	IF	CITATIONS
1633	Streamflow Estimation in Ungauged Catchments Using Regional Flow Duration Curve: Comparative Study. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	25
1634	Improving Prediction of Dam Failure Peak Outflow Using Neuroevolution Combined with K-Means Clustering. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	14
1635	Evaluating the performance of remotely sensed and reanalysed precipitation data over West Africa using HBV light. <i>Journal of Hydrology</i> , 2017, 547, 222-235.	2.3	75
1636	Integrating downscaled CMIP5 data with a physically based hydrologic model to estimate potential climate change impacts on streamflow processes in a mixed-use watershed. <i>Hydrological Processes</i> , 2017, 31, 1790-1803.	1.1	44
1637	Understanding watershed hydrogeochemistry: 2. Synchronized hydrological and geochemical processes drive stream chemostatic behavior. <i>Water Resources Research</i> , 2017, 53, 2346-2367.	1.7	76
1638	Simulating hydrologic responses to alternate grazing management practices at the ranch and watershed scales. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 102-121.	0.8	32
1639	SWAT Model calibration and uncertainty analysis for streamflow prediction of the Tons River Basin, India, using Sequential Uncertainty Fitting (SUFI-2) algorithm. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 1.	1.9	72
1640	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.	2.4	35
1641	Dynamic response of land use and river nutrient concentration to long-term climatic changes. <i>Science of the Total Environment</i> , 2017, 590-591, 818-831.	3.9	40
1642	On the use of surrogate-based modeling for the numerical analysis of Low Impact Development techniques. <i>Journal of Hydrology</i> , 2017, 548, 263-277.	2.3	55
1643	A coupled groundwater-flow-modelling and vulnerability-mapping methodology for karstic terrain management. <i>Hydrogeology Journal</i> , 2017, 25, 1301-1317.	0.9	15
1644	A distributed monthly water balance model: formulation and application on Black Volta Basin. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	56
1645	Research and application of a combined model based on multi-objective optimization for multi-step ahead wind speed forecasting. <i>Energy</i> , 2017, 125, 591-613.	4.5	107
1646	Assessing the Climatic and Temporal Transposability of the SWAT Model across a Large Contrasted Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	9
1647	Evaluating the significance of wetland restoration scenarios on phosphorus removal. <i>Journal of Environmental Management</i> , 2017, 192, 184-196.	3.8	22
1648	Monthly River Forecasting Using Instance-Based Learning Methods and Climatic Parameters. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, 04017002.	0.8	10
1649	Numerical Investigation of Free Overfall from a Circular Pipe Flowing Full Upstream. <i>Journal of Hydraulic Engineering</i> , 2017, 143, 04017004.	0.7	2
1650	Impact of tile drainage on water budget and spatial distribution of sediment generating areas in an agricultural watershed. <i>Agricultural Water Management</i> , 2017, 184, 124-134.	2.4	16

#	ARTICLE	IF	CITATIONS
1651	Predicting the temporal variation of flow contributing areas using SWAT. <i>Journal of Hydrology</i> , 2017, 547, 375-386.	2.3	45
1652	Detecting the quantitative hydrological response to changes in climate and human activities. <i>Science of the Total Environment</i> , 2017, 586, 328-337.	3.9	163
1653	Combined impacts of climate and socio-economic scenarios on irrigation water availability for a dry Mediterranean reservoir. <i>Science of the Total Environment</i> , 2017, 584-585, 219-233.	3.9	46
1654	Increased water yield due to the hemlock woolly adelgid infestation in New England. <i>Geophysical Research Letters</i> , 2017, 44, 2327-2335.	1.5	29
1655	Analysis of climate trend and effect of land use land cover change on Harangi streamflow, South India: a case study. <i>Sustainable Water Resources Management</i> , 2017, 3, 257-267.	1.0	11
1656	Performance of two prevalent infiltration models for disturbed urban soils. <i>Hydrology Research</i> , 2017, 48, 1520-1536.	1.1	4
1657	An Estimation of the Suspended Sediment Load Using Adaptive Network Based Fuzzy Inference System, Support Vector Machine and Artificial Neural Network Models. <i>Water Resources Management</i> , 2017, 31, 1343-1359.	1.9	87
1658	Parameter sensitivity analysis and optimization for a satellite-based evapotranspiration model across multiple sites using Moderate Resolution Imaging Spectroradiometer and flux data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 230-245.	1.2	43
1659	Winter rye as a cover crop reduces nitrate loss to subsurface drainage as simulated by HERMES. <i>Agricultural Water Management</i> , 2017, 184, 156-169.	2.4	31
1660	Monthly Water Consumption Prediction Using Season Algorithm and Wavelet Transform-Based Models. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017, 143, .	1.3	44
1661	Assessing Soil Properties Controlling Interrill Erosion: An Empirical Approach under Mediterranean Conditions. <i>Land Degradation and Development</i> , 2017, 28, 1729-1741.	1.8	9
1662	Modelling soil water and maize growth dynamics influenced by shallow groundwater conditions in the Sorraia Valley region, Portugal. <i>Agricultural Water Management</i> , 2017, 185, 27-42.	2.4	46
1663	Modeling watershed-scale ¹³⁷ Cs transport in a forested catchment affected by the Fukushima Dai-ichi Nuclear Power Plant accident. <i>Journal of Environmental Radioactivity</i> , 2017, 171, 21-33.	0.9	19
1664	Modelling the streamflow of a river basin using enhanced hydro-meteorological data in Malaysia. <i>Acta Horticulturae</i> , 2017, , 291-298.	0.1	1
1665	Performance of five surface energy balance models for estimating daily evapotranspiration in high biomass sorghum. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 128, 192-203.	4.9	99
1666	Assessment of spatial transferability of process-based hydrological model parameters in two neighbouring catchments in the Himalayan Region. <i>Hydrological Processes</i> , 2017, 31, 2812-2826.	1.1	22
1667	Comparison of IDW and Physically Based IDEW Method in Hydrological Modelling for a Large Mountainous Watershed, Northwest China. <i>River Research and Applications</i> , 2017, 33, 912-924.	0.7	13
1668	Numerical simulation of agricultural sediment and pesticide runoff: RZWQM and PRZM comparison. <i>Hydrological Processes</i> , 2017, 31, 2464-2476.	1.1	16

#	ARTICLE	IF	CITATIONS
1669	An ensemble forecast of semi-arid rainfall using large-scale climate predictors. <i>Meteorological Applications</i> , 2017, 24, 376-386.	0.9	48
1670	Dissolved oxygen, stream temperature, and fish habitat response to environmental water purchases. <i>Journal of Environmental Management</i> , 2017, 197, 559-570.	3.8	57
1671	Past, present and future land use changes and their impact on water balance. <i>Journal of Environmental Management</i> , 2017, 197, 582-596.	3.8	81
1672	Hydrological modeling of urban catchment using semi-distributed model. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 683-692.	1.9	27
1673	Effects of optimized root water uptake parameterization schemes on water and heat flux simulation in a maize agroecosystem. <i>Journal of Meteorological Research</i> , 2017, 31, 363-377.	0.9	2
1674	Comparative Assessment of Environmental Flow Estimation Methods in a Mediterranean Mountain River. <i>Environmental Management</i> , 2017, 60, 280-292.	1.2	28
1675	Using the FAO dual crop coefficient approach to model water use and productivity of processing pea (<i>Pisum sativum</i> L.) as influenced by irrigation strategies. <i>Agricultural Water Management</i> , 2017, 189, 5-18.	2.4	26
1676	Simulating seasonal variations of tile drainage discharge in an agricultural catchment. <i>Water Resources Research</i> , 2017, 53, 3896-3920.	1.7	43
1677	Climate Change Impacts on Water Resources and Reservoir Management: Uncertainty and Adaptation for a Mountain Catchment in Northeast Portugal. <i>Water Resources Management</i> , 2017, 31, 3355-3370.	1.9	43
1678	Evaluating the impact of management scenarios and land use changes on annual surface runoff and sediment yield using the GeoWEPP: a case study from the Lighvanchai watershed, Iran. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	13
1679	Hydrological response to land use and climate changes in a rural hilly basin in Italy. <i>Catena</i> , 2017, 157, 1-11.	2.2	46
1680	Modelling sediment fluxes in the Danube River Basin with SWAT. <i>Science of the Total Environment</i> , 2017, 599-600, 992-1012.	3.9	64
1681	Amplification of wildfire area burnt by hydrological drought in the humid tropics. <i>Nature Climate Change</i> , 2017, 7, 428-431.	8.1	96
1682	Cost-effectiveness of reverse auctions for watershed nutrient reductions in the presence of climate variability: An empirical approach for the Boone River watershed. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 280-295.	0.8	12
1683	Predicting biomass and yield of sweet pepper grown with and without plastic film mulching under different water supply and weather conditions. <i>Agricultural Water Management</i> , 2017, 188, 91-100.	2.4	19
1684	Allometric relationships for estimating vegetative and reproductive biomass in grapevine (<i>Vitis</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlook</i>	1.0	17
1685	Allometric relationship and biomass expansion factors (BEFs) for above- and below-ground biomass prediction and stem volume estimation for ash (<i>Fraxinus excelsior</i> L.) and oak (<i>Quercus robur</i> L.). <i>Trees - Structure and Function</i> , 2017, 31, 1303-1316.	0.9	25
1686	Investigating the impact of the properties of pilot points on calibration of groundwater models: case study of a karst catchment in Rote Island, Indonesia. <i>Hydrogeology Journal</i> , 2017, 25, 1703-1719.	0.9	15

#	ARTICLE	IF	CITATIONS
1687	Application of regional flow-ecology relationships to inform watershed management decisions: Application of the ELOHA framework in the San Diego River watershed, California, USA. <i>Ecohydrology</i> , 2017, 10, e1869.	1.1	24
1688	Scenario analysis of flood control structures using a multi-criteria decision-making technique in Northeast Iran. <i>Natural Hazards</i> , 2017, 87, 1827-1846.	1.6	18
1689	Integrated approach of hydrological and water quality dynamic simulation for anthropogenic disturbance assessment in the Huai River Basin, China. <i>Science of the Total Environment</i> , 2017, 598, 749-764.	3.9	37
1690	Spatial and Temporal Evaluation of Hydrological Response to Climate and Land Use Change in Three South Dakota Watersheds. <i>Journal of the American Water Resources Association</i> , 2017, 53, 69-88.	1.0	31
1691	Effectiveness of Soil and Water Conservation Practices Under Climate Change in the Gorganroud Basin, Iran. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1700288.	0.7	7
1692	Assessing water productivity in the Hetao Irrigation District in Inner Mongolia by an agro-hydrological model. <i>Irrigation Science</i> , 2017, 35, 357-382.	1.3	39
1693	Modeling flood dynamics in a temporary river draining to an eutrophic reservoir in southeast Portugal. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	12
1694	Development of a hydrological model for simulation of runoff from catchments unbounded by ridge lines. <i>Journal of Hydrology</i> , 2017, 551, 423-439.	2.3	11
1696	Modelling impacts of development on water resources in the Huai Sai Bat sub-basin in north-eastern Thailand with a participatory approach. <i>International Journal of Water Resources Development</i> , 2017, 33, 1020-1040.	1.2	4
1697	Predicting fecal coliform using the interval-to-interval approach and SWAT in the Miyun watershed, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15462-15470.	2.7	9
1698	Current and future groundwater withdrawals: Effects, management and energy policy options for a semi-arid Indian watershed. <i>Advances in Water Resources</i> , 2017, 110, 459-475.	1.7	30
1699	Evaluating SWAT Potential in Simulating Watersheds in Two Different Types of Climatic Conditions. , 2017, , .		3
1700	A comparison of single- and multi-site calibration and validation: a case study of SWAT in the Miyun Reservoir watershed, China. <i>Frontiers of Earth Science</i> , 2017, 11, 592-600.	0.9	34
1701	Pipe Failure Prediction in Water Distribution Systems Considering Static and Dynamic Factors. <i>Procedia Engineering</i> , 2017, 186, 117-126.	1.2	42
1702	Modeling pesticide diuron loading from the San Joaquin watershed into the Sacramento-San Joaquin Delta using SWAT. <i>Water Research</i> , 2017, 121, 374-385.	5.3	64
1703	Hydrological modelling of ungauged urban watershed using SWAT model. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 693-702.	1.9	72
1704	Spatially explicit modelling of the impacts of land-use and land-cover change on nutrient inputs to an oligotrophic lake. <i>International Journal of Remote Sensing</i> , 2017, 38, 7531-7550.	1.3	7
1705	Modelling water and nutrient fluxes in the Danube River Basin with SWAT. <i>Science of the Total Environment</i> , 2017, 603-604, 196-218.	3.9	132

#	ARTICLE	IF	CITATIONS
1706	System for Land Surface Model Applications Based on Cloud Computing. IEEE Access, 2017, 5, 12041-12048.	2.6	1
1707	Assessment of Bagmati river pollution in Kathmandu Valley: Scenario-based modeling and analysis for sustainable urban development. Sustainability of Water Quality and Ecology, 2017, 9-10, 67-77.	2.0	60
1708	Quantifying anthropogenic and climatic impacts on sediment load in the sediment-rich region of the Chinese Loess Plateau by coupling a hydrological model and ANN. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2057-2073.	1.9	8
1709	Climate change impacts on streamflow and non-point source pollutant loads in the 3S Rivers of the Mekong Basin. Water and Environment Journal, 2017, 31, 401-409.	1.0	16
1710	Multi-scale streamflow variability responses to precipitation over the headwater catchments in southern China. Journal of Hydrology, 2017, 551, 14-28.	2.3	22
1711	Assessing climate change-induced flooding mitigation for adaptation in Boston's Charles River watershed, USA. Landscape and Urban Planning, 2017, 167, 25-36.	3.4	51
1712	Annual and seasonal discharge prediction in the middle Danube River basin based on a modified TIPS (Tendency, Intermittency, Periodicity, Stochasticity) methodology. Journal of Hydrology and Hydromechanics, 2017, 65, 165-174.	0.7	4
1713	Assessment of the consistency among global precipitation products over the United Arab Emirates. Journal of Hydrology: Regional Studies, 2017, 12, 122-135.	1.0	72
1714	Impacts of alternative climate information on hydrologic processes with SWAT: A comparison of NCDC, PRISM and NEXRAD datasets. Catena, 2017, 156, 353-364.	2.2	36
1715	Period of Record Simulation of the Russian River Watershed with the Hydrologic Modeling System (HEC-HMS). , 2017, , .		0
1716	Characterising urban zinc generation to identify surface pollutant hotspots in a low intensity rainfall climate. Water Science and Technology, 2017, 76, 1370-1377.	1.2	15
1717	Parameter estimation and uncertainty analysis of the Spatial Agro Hydro Salinity Model (SAHYSMOD) in the semi-arid climate of Rechna Doab, Pakistan. Environmental Modelling and Software, 2017, 94, 186-211.	1.9	23
1718	Sediment carbon fate in phreatic karst (Part 2): Numerical model development and application. Journal of Hydrology, 2017, 549, 208-219.	2.3	15
1719	Is in-cabin exposure to carbon monoxide and fine particulate matter amplified by the vehicle's self-pollution potential? Quantifying the rate of exhaust intrusion. Transportation Research, Part D: Transport and Environment, 2017, 54, 225-238.	3.2	15
1720	Modelling the land use system process for a pre-industrial landscape in India. Modeling Earth Systems and Environment, 2017, 3, 703-717.	1.9	4
1721	Assessing climate change impacts on fresh water resources of the Athabasca River Basin, Canada. Science of the Total Environment, 2017, 601-602, 425-440.	3.9	117
1722	The Use of Ensemble Modeling of Suspended Sediment to Characterize Uncertainty. , 2017, , .		1
1723	Hydrological responses to climate shifts for a minimally disturbed mountainous watershed in northwestern China. Hydrological Sciences Journal, 2017, 62, 1440-1455.	1.2	10

#	ARTICLE	IF	CITATIONS
1724	Useful Drainage Estimates Obtained from a Large-Scale Soil Moisture Monitoring Network by Applying the Unit-Gradient Assumption. <i>Vadose Zone Journal</i> , 2017, 16, 1-15.	1.3	18
1725	Simulation of green roof runoff under different substrate depths and vegetation covers by coupling a simple conceptual and a physically based hydrological model. <i>Journal of Environmental Management</i> , 2017, 200, 434-445.	3.8	63
1726	Modeling the impact of climate change on watershed discharge and sediment yield in the black soil region, northeastern China. <i>Geomorphology</i> , 2017, 293, 255-271.	1.1	32
1727	Improvement and comparative assessment of a hydrological modelling approach on 20 catchments of various sizes under different climate conditions. <i>Hydrological Sciences Journal</i> , 2017, 62, 1499-1516.	1.2	5
1728	Climate change impacts on a Mediterranean river and the associated interactions with the adjacent coastal area. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	10
1729	The impact of the objective function in multi-site and multi-variable calibration of the SWAT model. <i>Environmental Modelling and Software</i> , 2017, 93, 255-267.	1.9	75
1730	Predicting saturation-excess runoff distribution with a lumped hillslope model: SWAT-HS. <i>Hydrological Processes</i> , 2017, 31, 2226-2243.	1.1	33
1731	Multiple models guide strategies for agricultural nutrient reductions. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 126-132.	1.9	118
1732	Streamflow alteration and habitat ramifications for a threatened fish species in the Central United States. <i>River Research and Applications</i> , 2017, 33, 993-1003.	0.7	6
1733	Impact of the Three Gorges Project operation on the water exchange between Dongting Lake and the Yangtze River. <i>International Journal of Sediment Research</i> , 2017, 32, 506-514.	1.8	33
1734	River flow and sediment transport simulation based on a curvilinear and rectilinear grid modelling approach – a comparison study. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 1325-1334.	1.0	3
1735	Demonstrating the value of community-based (“citizen science”) observations for catchment modelling and characterisation. <i>Journal of Hydrology</i> , 2017, 548, 801-817.	2.3	86
1736	Response of streamflow to climate variability and changes in human activities in the semiarid highlands of northern Ethiopia. <i>Regional Environmental Change</i> , 2017, 17, 1229-1240.	1.4	45
1737	Optimum Abstraction of Groundwater for Sustaining Groundwater Level and Reducing Irrigation Cost. <i>Water Resources Management</i> , 2017, 31, 1947-1959.	1.9	22
1738	Runoff evaluation for ungauged watersheds by SWAP model. 1. Application of artificial neural networks. <i>Water Resources</i> , 2017, 44, 169-179.	0.3	5
1739	Identification and prioritization of critical erosion areas based on onsite and offsite effects. <i>Catena</i> , 2017, 156, 1-9.	2.2	14
1740	Enhancing the SWAT model for simulating denitrification in riparian zones at the river basin scale. <i>Environmental Modelling and Software</i> , 2017, 93, 163-179.	1.9	17
1741	Simulation of the cumulative hydrological response to green infrastructure. <i>Water Resources Research</i> , 2017, 53, 3087-3101.	1.7	62

#	ARTICLE	IF	CITATIONS
1742	Assessing ecological impairments in Neotropical rivers of Mexico: calibration and validation of the Biomonitoring Working Party Index. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1835-1852.	1.8	14
1743	Evaluating the impacts of agricultural land management practices on water resources: A probabilistic hydrologic modeling approach. <i>Journal of Environmental Management</i> , 2017, 193, 512-523.	3.8	4
1744	Inverse Modeling of Soil Hydraulic Properties in a Two-Layer System and Comparisons with Measured Soil Conditions. <i>Vadose Zone Journal</i> , 2017, 16, 1-14.	1.3	5
1745	Effect of land use land cover dynamics on hydrological response of watershed: Case study of Tekeze Dam watershed, northern Ethiopia. <i>International Soil and Water Conservation Research</i> , 2017, 5, 1-16.	3.0	160
1746	Towards hydrological model calibration using river level measurements. <i>Journal of Hydrology: Regional Studies</i> , 2017, 10, 95-109.	1.0	24
1747	The role of topography and the north Indian monsoon on mean monthly climate interpolation within the Himalayan Kingdom of Bhutan. <i>International Journal of Climatology</i> , 2017, 37, 897-909.	1.5	7
1748	Estimating the water budget components and their variability in a pre-alpine basin with JGrass-NewAGE. <i>Advances in Water Resources</i> , 2017, 104, 37-54.	1.7	21
1749	An economic inquisition of water quality trading programs, with a case study of Jordan Lake, NC. <i>Journal of Environmental Management</i> , 2017, 193, 483-490.	3.8	20
1750	The impact of lake and reservoir parameterization on global streamflow simulation. <i>Journal of Hydrology</i> , 2017, 548, 552-568.	2.3	82
1751	Modeling contribution of shallow groundwater to evapotranspiration and yield of maize in an arid area. <i>Scientific Reports</i> , 2017, 7, 43122.	1.6	33
1752	Developing reservoir monthly inflow forecasts using artificial intelligence and climate phenomenon information. <i>Water Resources Research</i> , 2017, 53, 2786-2812.	1.7	230
1753	Impacts of climate change on stream flow and hydro power generation in the Alpine region. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	88
1754	Evaluation of DRAINMOD-DSSAT simulated effects of controlled drainage on crop yield, water balance, and water quality for a corn-soybean cropping system in central Iowa. <i>Agricultural Water Management</i> , 2017, 187, 57-68.	2.4	28
1755	Changes in potential evapotranspiration and surface runoff in 1981-2010 and the driving factors in Upper Heihe River Basin in Northwest China. <i>Hydrological Processes</i> , 2017, 31, 90-103.	1.1	35
1756	Influence of coarse soils with high hydraulic conductivity on the applicability of the SCS-CN method. <i>Hydrological Sciences Journal</i> , 2017, 62, 843-848.	1.2	15
1757	Evaluation of the DAISY model for predicting nitrogen leaching in coarse-textured soils cropped with maize in the Mediterranean zone of Chile. <i>Agricultural Water Management</i> , 2017, 182, 77-86.	2.4	15
1758	Prediction of P concentrations in soil leachates: Results from 6 long term field trials on soils with a high P load. <i>Agriculture, Ecosystems and Environment</i> , 2017, 237, 55-65.	2.5	8
1759	Reconstructing the historical water regime of the contributing basins to the Hawizeh marsh: Implications of water control structures. <i>Science of the Total Environment</i> , 2017, 580, 832-845.	3.9	7

#	ARTICLE	IF	CITATIONS
1760	Response of benthic macroinvertebrate communities to climate change. <i>Ecohydrology and Hydrobiology</i> , 2017, 17, 63-72.	1.0	11
1761	Hydroclimatic variability and change in the Chesapeake Bay Watershed. <i>Journal of Water and Climate Change</i> , 2017, 8, 254-273.	1.2	13
1762	A multi-model approach for analyzing water balance dynamics in Kathmandu Valley, Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2017, 9, 149-162.	1.0	49
1763	Evaluation of hydrological response to extreme climate variability using SWAT model: application to the Fuhe basin of Poyang Lake watershed, China. <i>Hydrology Research</i> , 2017, 48, 1730-1744.	1.1	5
1764	Impact of Eastern redcedar encroachment on stream discharge in the North Canadian River basin. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 12-25.	0.8	15
1765	Surface drainage nitrate loading estimate from agriculture fields and its relationship with landscape metrics in Tajan watershed. <i>Paddy and Water Environment</i> , 2017, 15, 541-552.	1.0	19
1766	Sustainable groundwater modeling using single- and multi-objective optimization algorithms. <i>Journal of Hydroinformatics</i> , 2017, 19, 97-114.	1.1	40
1767	Hydrological model application under data scarcity for multiple watersheds, Java Island, Indonesia. <i>Journal of Hydrology: Regional Studies</i> , 2017, 9, 127-139.	1.0	19
1768	Farmlandâ€™atmosphere feedbacks amplify decreases in diffuse nitrogen pollution in a freeze-thaw agricultural area under climate warming conditions. <i>Science of the Total Environment</i> , 2017, 579, 484-494.	3.9	14
1769	Integrated assessment of the impacts of climate variability and anthropogenic activities on river runoff: a case study in the Hutuo River Basin, China. <i>Hydrology Research</i> , 2017, 48, 416-430.	1.1	26
1770	Evaluating the impact of grid cell properties in spatial discretization of groundwater model for a tropical karst catchment in Rote Island, Indonesia. <i>Hydrology Research</i> , 2017, 48, 1757-1772.	1.1	10
1771	A reliable rainfallâ€™runoff model for flood forecasting: review and application to a semi-urbanized watershed at high flood risk in Italy. <i>Hydrology Research</i> , 2017, 48, 726-740.	1.1	37
1772	Wavelet analysisâ€™artificial neural network conjunction models for multi-scale monthly groundwater level predicting in an arid inland river basin, northwestern China. <i>Hydrology Research</i> , 2017, 48, 1710-1729.	1.1	30
1773	Runoff prediction in a poorly gauged basin using isotope-calibrated models. <i>Journal of Hydrology</i> , 2017, 544, 567-574.	2.3	16
1774	Hydrologic State Influence on Riverine Flood Discharge for a Small Temperate Watershed (Fall Creek, Tj ETQq0 0 0 rgBT /Overlock 10 TF 2017, 18, 431-449.	0.7	14
1775	GIS-based SWMM model for simulating the catchment response to flood events. <i>Hydrology Research</i> , 2017, 48, 384-394.	1.1	41
1776	Comparison of numerical and experimental analyses for optimizing the geometry of OWC systems. <i>Ocean Engineering</i> , 2017, 130, 10-24.	1.9	69
1777	Water System Modelling. , 2017, , 61-88.		2

#	ARTICLE	IF	CITATIONS
1778	Hydrological and environmental controls of the stream nitrate concentration and flux in a small agricultural watershed. <i>Journal of Hydrology</i> , 2017, 545, 355-366.	2.3	52
1779	SWAT modeling of hydrology, sediment and nutrients from the Grand River, Ontario. <i>Water Quality Research Journal of Canada</i> , 2017, 52, 243-257.	1.2	13
1780	Integrated Water Resources Management of Ken-Betwa Link. , 2017, , 849-873.		0
1781	Modeling Changes to Streamflow, Sediment, and Nutrient Loading from Land Use Changes Due to Potential Natural Gas Development. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1293-1312.	1.0	5
1782	Soil erosion and transport simulation and critical erosion area identification in a headwater catchment contaminated by the Fukushima nuclear accident. <i>Journal of Hydro-Environment Research</i> , 2017, 17, 18-29.	1.0	5
1783	Improving estimates of primary production in lakes: a test and a case study from a peri-alpine lake (Lake Tj ETQq1 1.0784314 rgBT /Ov	1.1	7
1784	SWAT manual calibration and parameters sensitivity analysis in a semi-arid watershed in North-western Morocco. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	34
1785	Riparian restoration for protecting water quality in tropical agricultural watersheds. <i>Ecological Engineering</i> , 2017, 108, 514-524.	1.6	42
1786	A user-friendly software package for VIC hydrologic model development. <i>Environmental Modelling and Software</i> , 2017, 98, 35-53.	1.9	22
1787	An enhanced SMA based SCS-CN inspired model for watershed runoff prediction. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	26
1788	Optimizing Agricultural Best Management Practices in a Lake Erie Watershed. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1281-1292.	1.0	14
1789	A lumped conceptual approach for modeling hydrological processes: the case of Scopia catchment area, Central Greece. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	3
1790	Evaluation of the best management practices in a semi-arid region with high agricultural activity. <i>Agricultural Water Management</i> , 2017, 194, 160-171.	2.4	24
1791	Multivariate regression model from water level and production rate time series for the geothermal reservoir Waiwera (New Zealand). <i>Energy Procedia</i> , 2017, 125, 571-579.	1.8	8
1792	Quantifying the Role of Snowmelt in Stream Discharge in an Alaskan Watershed: An Analysis Using a Spatially Distributed Surface Hydrology Model. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 2183-2195.	1.0	14
1793	Utility of remote sensing-based surface energy balance models to track water stress in rain-fed switchgrass under dry and wet conditions. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 133, 128-141.	4.9	37
1794	Unsaturated hydraulic behaviour of a permeable pavement: Laboratory investigation and numerical analysis by using the HYDRUS-2D model. <i>Journal of Hydrology</i> , 2017, 554, 780-791.	2.3	59
1795	A remote sensing method for estimating regional reservoir area and evaporative loss. <i>Journal of Hydrology</i> , 2017, 555, 213-227.	2.3	52

#	ARTICLE	IF	CITATIONS
1796	Model comparison of soil processes in eastern Canada using DayCent, DNDC and STICS. Nutrient Cycling in Agroecosystems, 2017, 109, 211-232.	1.1	26
1797	A spatially explicit crop planting initiation and progression model for the conterminous United States. European Journal of Agronomy, 2017, 90, 184-197.	1.9	3
1798	Recommended practice for hydrologic investigations and reporting. Australian Journal of Water Resources, 2017, 21, 3-19.	1.6	8
1799	Large river floodplain as a natural laboratory: non-native macroinvertebrates benefit from elevated temperatures. Ecosphere, 2017, 8, e01972.	1.0	12
1800	Physically Based Adjustment Factors for Precipitation Estimation in a Large Arid Mountainous Watershed, Northwest China. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	3
1801	Snow model sensitivity analysis to understand spatial and temporal snow dynamics in a high-elevation catchment. Hydrological Processes, 2017, 31, 4151-4168.	1.1	18
1802	Impact of Abandoned Opencast Mines on Hydrological Processes of the Olidih Watershed in Jharia Coalfield, India. Environmental Processes, 2017, 4, 697-710.	1.7	4
1803	Curve number modifications and parameterization sensitivity analysis for reducing model uncertainty in simulated and projected streamflows in a Himalayan catchment. Ecological Engineering, 2017, 108, 17-29.	1.6	11
1804	Modeling runoff-sediment response to land use/land cover changes using integrated GIS and SWAT model in the Beressa watershed. Environmental Earth Sciences, 2017, 76, 1.	1.3	94
1805	Crop Biomass, Soil Carbon, and Nitrous Oxide as Affected by Management and Climate: A DayCent Application in Brazil. Soil Science Society of America Journal, 2017, 81, 945-955.	1.2	15
1806	Development and application of a dynamic in-river agrochemical fate and transport model for simulating behavior of rice herbicide in urbanizing catchment. Agricultural Water Management, 2017, 193, 102-115.	2.4	3
1807	Regional analysis of bin aeration as an alternative to insecticidal control for post-harvest management of Sitophilus oryzae (L.) and Rhizopertha dominica (F.). Ecological Modelling, 2017, 359, 165-181.	1.2	14
1808	Implications of Climate Change on Water Budgets and Reservoir Water Harvesting of Nuuanu Area Watersheds, Oahu, Hawaii. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	14
1809	Impacts of Variable Rate Nitrogen (VRN) on Nitrate-N Losses from Tile Drained Maize in Minnesota, USA. Advances in Animal Biosciences, 2017, 8, 317-321.	1.0	0
1810	Heat transfer analysis of cylindrical anaerobic reactors with different sizes: a heat transfer model. Environmental Science and Pollution Research, 2017, 24, 23508-23517.	2.7	8
1811	A geospatially-enabled web tool for urban water demand forecasting and assessment of alternative urban water management strategies. Environmental Modelling and Software, 2017, 97, 213-228.	1.9	38
1812	Evaluation of Evapotranspiration Inputs on the Performance and Parameters of Watershed Models. , 2017, , .		0
1813	Assessment of climate change impacts on streamflows in Satluj river basin, India using SWAT model. International Journal of Hydrology Science and Technology, 2017, 7, 134.	0.2	8

#	ARTICLE	IF	CITATIONS
1814	The Rangeland Hydrology and Erosion Model: A Dynamic Approach for Predicting Soil Loss on Rangelands. <i>Water Resources Research</i> , 2017, 53, 9368-9391.	1.7	35
1815	Evaluation and hydrologic validation of TMPA satellite precipitation product downstream of the Pearl River Basin, China. <i>Hydrological Processes</i> , 2017, 31, 4169-4182.	1.1	36
1816	SWAT based hydrological assessment and characterization of Lake Ziway sub-watersheds, Ethiopia. <i>Journal of Hydrology: Regional Studies</i> , 2017, 13, 122-137.	1.0	41
1817	A modelling approach for estimating suspended sediment concentrations for multiple rivers influenced by agriculture. <i>Hydrological Sciences Journal</i> , 2017, 62, 2209-2221.	1.2	9
1818	Anthropogenic nutrients and eutrophication in multiple land use watersheds: Best management practices and policies for the protection of water resources. <i>Land Use Policy</i> , 2017, 69, 1-11.	2.5	94
1819	Analysis of the Thrust Force on the Temperature-Control Curtain in a Large Stratified Reservoir. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	0.7	12
1820	Assessing the long-term effects of land use changes on runoff patterns and food production in a large lake watershed with policy implications. <i>Journal of Environmental Management</i> , 2017, 204, 92-101.	3.8	36
1821	Streamflow estimation in ungauged catchments using regionalization techniques. <i>Journal of Hydrology</i> , 2017, 554, 420-433.	2.3	82
1822	Developing an integrated 3D-hydrodynamic and emerging contaminant model for assessing water quality in a Yangtze Estuary Reservoir. <i>Chemosphere</i> , 2017, 188, 218-230.	4.2	31
1823	Modeling Suspended Sediment Concentration in the Stormwater Outflow from a Small Detention Pond. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	0.7	19
1824	Evaluating the Use of Nash-Sutcliffe Efficiency Coefficient in Goodness-of-Fit Measures for Daily Runoff Simulation with SWAT. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	45
1825	Estimating sediment and nutrient delivery ratios in the Big Sunflower Watershed using a multiple linear regression model. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 438-451.	0.8	2
1826	Evaluating the accuracy of Climate Hazard Group (CHG) satellite rainfall estimates for precipitation based drought monitoring in Koshi basin, Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2017, 13, 138-151.	1.0	66
1827	Climate and land-use change impact on faecal indicator bacteria in a temperate maritime catchment (the River Conwy, Wales). <i>Journal of Hydrology</i> , 2017, 553, 248-261.	2.3	19
1828	Downscaling climate projections for the Peruvian coastal Chancay-Huaral Basin to support river discharge modeling with WEAP. <i>Journal of Hydrology: Regional Studies</i> , 2017, 13, 26-42.	1.0	16
1829	Reducing equifinality using isotopes in a process-based stream nitrogen model highlights the flux of algal nitrogen from agricultural streams. <i>Water Resources Research</i> , 2017, 53, 6539-6561.	1.7	23
1830	PCPF model for simulating the fate and transport of pesticides and their metabolites in rice paddy field. <i>Pest Management Science</i> , 2017, 73, 2429-2438.	1.7	5
1831	Modeling of the river ecological status with macrophytes using artificial neural networks. <i>Limnologica</i> , 2017, 65, 46-54.	0.7	17

#	ARTICLE	IF	CITATIONS
1832	Modelling sheet erosion on steep slopes in the loess region of China. <i>Journal of Hydrology</i> , 2017, 553, 549-558.	2.3	52
1833	Potential increase in coastal wetland vulnerability to sea-level rise suggested by considering hydrodynamic attenuation effects. <i>Nature Communications</i> , 2017, 8, 16094.	5.8	110
1834	Combined statistical and spatially distributed hydrological model for evaluating future drought indices in Virginia. <i>Journal of Hydrology: Regional Studies</i> , 2017, 12, 253-272.	1.0	41
1836	Assessing suitability of the ACRU hydrological model in a rainforest catchment in Ghana, West Africa. <i>Water Science</i> , 2017, 31, 198-214.	0.5	7
1837	An automatic tool for reconstructing monthly time-series of hydro-climatic variables at ungauged basins. <i>Environmental Modelling and Software</i> , 2017, 95, 381-400.	1.9	14
1838	Impurity effect on clear water evaporation: toward modelling wastewater evaporation using ANN, ANFIS-SC and GEP techniques. <i>Hydrological Sciences Journal</i> , 2017, 62, 1856-1866.	1.2	7
1839	Use of SWAT to Estimate Spatial Scaling of Phosphorus Export Coefficients and Load Reductions Due to Agricultural BMPs. <i>Journal of the American Water Resources Association</i> , 2017, 53, 547-561.	1.0	19
1840	Simulation of targeted pollutant-mitigation-strategies to reduce nitrate and sediment hotspots in agricultural watershed. <i>Science of the Total Environment</i> , 2017, 607-608, 1188-1200.	3.9	50
1841	Hydrologic response to future land use change in the Upper Mississippi River Basin by the end of 21st century. <i>Hydrological Processes</i> , 2017, 31, 3645-3661.	1.1	37
1842	Application of AnnAGNPS to model an agricultural watershed in East-Central Mississippi for the evaluation of an on-farm water storage (OFWS) system. <i>Agricultural Water Management</i> , 2017, 192, 103-114.	2.4	18
1843	Development of a soil moisture-based distributed hydrologic model for determining hydrologically based critical source areas. <i>Hydrological Processes</i> , 2017, 31, 3543-3557.	1.1	7
1844	Temporal and spatial water use on irrigated and nonirrigated pasture-based dairy farms. <i>Journal of Dairy Science</i> , 2017, 100, 6772-6784.	1.4	2
1845	Effect of watershed partitioning on hydrologic parameters and estimation of hydrograph of an ungauged basin: a case study in Gokirmak and Kocanaz, Turkey. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	16
1846	Diffuse nitrogen loss simulation and impact assessment of stereoscopic agriculture pattern by integrated water system model and consideration of multiple existence forms. <i>Journal of Hydrology</i> , 2017, 552, 660-673.	2.3	8
1847	Modeling the effects of land use change from cotton (<i>Gossypium hirsutum</i> L.) to perennial bioenergy grasses on watershed hydrology and water quality under changing climate. <i>Agricultural Water Management</i> , 2017, 192, 198-208.	2.4	24
1848	Comparing water quantity and quality in three inland valley watersheds with different levels of agricultural development in central Benin. <i>Agricultural Water Management</i> , 2017, 192, 257-270.	2.4	12
1849	Testing of the Modified Streambank Erosion and Instream Phosphorus Routines for the SWAT Model. <i>Journal of the American Water Resources Association</i> , 2017, 53, 101-114.	1.0	11
1850	Assessing the hydrologic and water quality impacts of biofuel-induced changes in land use and management. <i>GCB Bioenergy</i> , 2017, 9, 1461-1475.	2.5	25

#	ARTICLE	IF	CITATIONS
1851	Future projections of streamflow magnitude and timing differ across coastal watersheds of the western United States. <i>International Journal of Climatology</i> , 2017, 37, 4493-4508.	1.5	8
1852	CMIP5 ensemble-based spatial rainfall projection over homogeneous zones of India. <i>Climate Dynamics</i> , 2017, 49, 1885-1916.	1.7	39
1853	SWAT Setup with Long-Term Detailed Landuse and Management Records and Modification for a Micro-Watershed Influenced by Freeze-Thaw Cycles. <i>Water Resources Management</i> , 2017, 31, 3953-3974.	1.9	28
1854	Simulating the impact of land use/land cover change and climate variability on watershed hydrology in the Upper Brantas basin, Indonesia. <i>Applied Geomatics</i> , 2017, 9, 191-204.	1.2	32
1855	An Assessment of Climate Change Impacts on Future Water Availability and Droughts in the Kentucky River Basin. <i>Environmental Processes</i> , 2017, 4, 477-507.	1.7	35
1856	Projection of phenology response to climate change in rainfed vineyards in north-east Spain. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 104-115.	1.9	40
1857	Assessing the effect of water harvesting techniques on event-based hydrological responses and sediment yield at a catchment scale in northern Ethiopia using the Limburg Soil Erosion Model (LISEM). <i>Catena</i> , 2017, 159, 20-34.	2.2	43
1858	Evaluation of SWAT simulated soil moisture at catchment scale by field measurements and Landsat derived indices. <i>Agricultural Water Management</i> , 2017, 193, 55-70.	2.4	33
1859	Validation of TRMM 3B42 V6 for estimation of mean annual rainfall over ungauged area in semiarid climate. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	5
1860	Streamflow response to potential land use and climate changes in the James River watershed, Upper Midwest United States. <i>Journal of Hydrology: Regional Studies</i> , 2017, 14, 150-166.	1.0	46
1861	Impact of urbanization on the sediment yield in tropical watershed using temporal land-use changes and a GIS-based model. <i>Journal of Water and Land Development</i> , 2017, 34, 33-45.	0.9	6
1862	Assessing the Impact of Parameter Uncertainty on Modeling Grass Biomass Using a Hybrid Carbon Allocation Strategy. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2968-2992.	1.3	7
1864	Estimation of flow regime for a spatially varied Himalayan watershed using improved multi-site calibration of the Soil and Water Assessment Tool (SWAT) model. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	28
1865	How Reproducible Are Isotherm Measurements in Metal-Organic Frameworks?. <i>Chemistry of Materials</i> , 2017, 29, 10487-10495.	3.2	136
1866	Impacts of future land cover and climate change on the water balance in northern Iran. <i>Hydrological Sciences Journal</i> , 2017, 62, 2655-2673.	1.2	33
1867	Research on the response of the water sources to the climatic change in Shiyang River Basin. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 82, 012093.	0.2	0
1868	Evaluation of wetland implementation strategies on phosphorus reduction at a watershed scale. <i>Journal of Hydrology</i> , 2017, 552, 105-120.	2.3	10
1869	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. <i>Journal of Mountain Science</i> , 2017, 14, 1039-1057.	0.8	48

#	ARTICLE	IF	CITATIONS
1870	Alternative futures of dissolved inorganic nitrogen export from the Mississippi River Basin: influence of crop management, atmospheric deposition, and population growth. <i>Biogeochemistry</i> , 2017, 133, 263-277.	1.7	16
1871	Assessing long-term impact of land-use change on hydrological ecosystem functions in a Mediterranean upland agro-forestry catchment. <i>Science of the Total Environment</i> , 2017, 605-606, 1070-1082.	3.9	36
1872	Using the General Lake Model (GLM) to simulate water temperatures and ice cover of a medium-sized lake: a case study of Lake Ammersee, Germany. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	26
1873	Development of a distributed hydrological model to facilitate watershed management. <i>Hydrological Sciences Journal</i> , 2017, 62, 1755-1771.	1.2	4
1874	Application of artificial intelligence to estimate the reference evapotranspiration in sub-humid Doon valley. <i>Applied Water Science</i> , 2017, 7, 3903-3910.	2.8	43
1875	Insights into sensitivity analysis of Earth and environmental systems models: On the impact of parameter perturbation scale. <i>Environmental Modelling and Software</i> , 2017, 95, 115-131.	1.9	33
1876	Event-based nonpoint source pollution prediction in a scarce data catchment. <i>Journal of Hydrology</i> , 2017, 552, 13-27.	2.3	40
1877	A new prediction model for grain yield in Northeast China based on spring North Atlantic Oscillation and late-winter Bering Sea ice cover. <i>Journal of Meteorological Research</i> , 2017, 31, 409-419.	0.9	4
1878	Impacts of incorporating dominant crop rotation patterns as primary land use change on hydrologic model performance. <i>Agriculture, Ecosystems and Environment</i> , 2017, 247, 33-42.	2.5	20
1879	Impacts of climate warming on the frozen ground and eco-hydrology in the Yellow River source region, China. <i>Science of the Total Environment</i> , 2017, 605-606, 830-841.	3.9	109
1880	Modeling Water Quantity and Sulfate Concentrations in the Devils Lake Watershed Using Coupled SWAT and CEQUAL-W2. <i>Journal of the American Water Resources Association</i> , 2017, 53, 748-760.	1.0	16
1881	Assessing the outcomes of stocking hatchery-reared juveniles in the presence of wild Atlantic salmon. <i>Environmental Biology of Fishes</i> , 2017, 100, 877-887.	0.4	4
1882	Impacts of Rainfall, Soil Type, and Land-Use Change on Soil Erosion in the Liusha River Watershed. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	10
1883	Disaggregated Streamflow Approach for Improving Water-Quality Modeling. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, 06016019.	0.8	0
1884	Characterization of the fate and distribution of ethiprole in water-fish-sediment microcosm using a fugacity model. <i>Science of the Total Environment</i> , 2017, 576, 696-704.	3.9	19
1885	Simulating hydrological and nonpoint source pollution processes in a karst watershed: A variable source area hydrology model evaluation. <i>Agricultural Water Management</i> , 2017, 180, 212-223.	2.4	55
1886	Satellite radar altimetry water elevations performance over a 200 m wide river: Evaluation over the Garonne River. <i>Advances in Space Research</i> , 2017, 59, 128-146.	1.2	88
1887	Continental-Scale River Flow Modeling of the Mississippi River Basin Using High-Resolution NHD Plus Dataset. <i>Journal of the American Water Resources Association</i> , 2017, 53, 258-279.	1.0	44

#	ARTICLE	IF	CITATIONS
1888	Comparison of two rainfall-runoff models: effects of conceptualization on water budget components. <i>Hydrological Sciences Journal</i> , 2017, 62, 729-748.	1.2	21
1889	Evaluating the impacts of climate and land-use change on the hydrology and nutrient yield in a transboundary river basin: A case study in the 3S River Basin (Sekong, Sesan, and Srepok). <i>Science of the Total Environment</i> , 2017, 576, 586-598.	3.9	82
1890	Development and evaluation of a comprehensive drought index. <i>Journal of Environmental Management</i> , 2017, 185, 31-43.	3.8	90
1891	Evaluation of the Soil Conservation Service curve number methodology using data from agricultural plots. <i>Hydrogeology Journal</i> , 2017, 25, 151-167.	0.9	52
1892	Evaluation of an ensemble of regional hydrological models in 12 large-scale river basins worldwide. <i>Climatic Change</i> , 2017, 141, 381-397.	1.7	76
1893	Clustering Data and Incorporating Topographical Variables for Improving Spatial Interpolation of Rainfall in Mountainous Region. <i>Water Resources Management</i> , 2017, 31, 425-442.	1.9	11
1894	Field-scale calibration of crop-yield parameters in the Soil and Water Assessment Tool (SWAT). <i>Agricultural Water Management</i> , 2017, 180, 61-69.	2.4	56
1895	Comparison of Langmuir and Freundlich adsorption equations within the SWAT-K model for assessing potassium environmental losses at basin scale. <i>Agricultural Water Management</i> , 2017, 180, 205-211.	2.4	59
1896	The effect of land cover change on duration and severity of high and low flows. <i>Hydrological Processes</i> , 2017, 31, 133-149.	1.1	30
1897	Impact of precipitation and temperature changes on hydrological responses of small-scale catchments in the Ethiopian Highlands. <i>Hydrological Sciences Journal</i> , 2017, 62, 270-282.	1.2	11
1898	Comparing Different Infiltration Methods of the HEC-HMS Model: The Case Study of the Māsima Torrent (Southern Italy). <i>Land Degradation and Development</i> , 2017, 28, 294-308.	1.8	51
1899	Assessing reference evapotranspiration estimation from reanalysis weather products. An application to the Iberian Peninsula. <i>International Journal of Climatology</i> , 2017, 37, 2378-2397.	1.5	42
1900	Experiences of dealing with flash floods using an ensemble hydrological nowcasting chain: implications of communication, accessibility and distribution of the results. <i>Journal of Flood Risk Management</i> , 2017, 10, 446-462.	1.6	17
1901	Simulation of Climate Change Effects on Hydropower Operations in Mountain Headwater Lakes, New Zealand. <i>River Research and Applications</i> , 2017, 33, 147-161.	0.7	7
1902	Multiscale Assessment of the Impacts of Climate Change on Water Resources in Tanzania. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	16
1903	Coupling hydrologic and economic modeling for wetland management multi-optimization in Tram Chim National Park, Vietnam. <i>Journal of Environmental Planning and Management</i> , 2017, 60, 842-861.	2.4	6
1904	The influence of changes in land use and landscape patterns on soil erosion in a watershed. <i>Science of the Total Environment</i> , 2017, 574, 34-45.	3.9	106
1905	Neural Network-Based Approach for Identification of Meteorological Factors Affecting Regional Sea-Level Anomalies. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, 04016058.	0.8	2

#	ARTICLE	IF	CITATIONS
1906	Numerical modeling of simultaneous tracer release and piscicide treatment for invasive species control in the Chicago Sanitary and Ship Canal, Chicago, Illinois. <i>Environmental Fluid Mechanics</i> , 2017, 17, 211-229.	0.7	14
1907	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. <i>Science of the Total Environment</i> , 2017, 575, 12-22.	3.9	67
1908	Hydrological responses to land use/cover changes in the source region of the Upper Blue Nile Basin, Ethiopia. <i>Science of the Total Environment</i> , 2017, 575, 724-741.	3.9	210
1909	Effect of Single and Multisite Calibration Techniques on the Parameter Estimation, Performance, and Output of a SWAT Model of a Spatially Heterogeneous Catchment. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	39
1910	Improving temperature interpolation using MODIS LST and local topography: a comparison of methods in south east Australia. <i>International Journal of Climatology</i> , 2017, 37, 3098-3110.	1.5	36
1911	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.	2.4	21
1912	An integrated vegetated ditch system reduces chlorpyrifos loading in agricultural runoff. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 423-430.	1.6	17
1913	Water temperature increases in the river Rhine in response to climate change. <i>Regional Environmental Change</i> , 2017, 17, 299-308.	1.4	28
1914	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. <i>Agricultural Systems</i> , 2017, 151, 20-32.	3.2	42
1915	Calibration of an agricultural-hydrological model (RZWQM2) using surrogate global optimization. <i>Journal of Hydrology</i> , 2017, 544, 456-466.	2.3	20
1916	Impact of stoniness correction of soil hydraulic parameters on water balance simulations of forest plots. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 71-86.	1.1	7
1917	Pipeline failure prediction in water distribution networks using evolutionary polynomial regression combined with K-means clustering. <i>Urban Water Journal</i> , 2017, 14, 737-742.	1.0	41
1918	Hydrological modelling in a drinking water catchment area as a means of evaluating pathogen risk reduction. <i>Journal of Hydrology</i> , 2017, 544, 74-85.	2.3	15
1919	Expanding Kenya's protected areas under the Convention on Biological Diversity to maximize coverage of plant diversity. <i>Conservation Biology</i> , 2017, 31, 302-310.	2.4	8
1920	Event Runoff and Sediment-Yield Neural Network Models for Assessment and Design of Management Practices for Small Agricultural Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, 04016056.	0.8	5
1921	Assessing Parameter Uncertainty of a Semi-Distributed Hydrology Model for a Shallow Aquifer Dominated Environmental System. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1368-1389.	1.0	17
1922	Optimal Calibration and Uncertainty Analysis of SWAT for an Arid Climate. <i>Air, Soil and Water Research</i> , 2017, 10, 117862211773179.	1.2	8
1923	Assessing the impacts of climate and land use land cover changes on hydrological droughts in the Yellow River Basin using SWAT model with time-varying parameters. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
1924	A multimethod approach to inform epikarst drip discharge modelling: Implications for palaeoclimate reconstruction. <i>Hydrological Processes</i> , 2017, 31, 4734-4747.	1.1	6
1925	Topographic wetness guided dairy manure applications to reduce stream nutrient loads in Central New York, USA. <i>Journal of Hydrology: Regional Studies</i> , 2017, 14, 67-82.	1.0	9
1926	Assessment of the suitability of rainfall-runoff models by coupling performance statistics and sensitivity analysis. <i>Hydrology Research</i> , 2017, 48, 1192-1213.	1.1	14
1927	Limits of heat as a tracer to quantify transient lateral river-aquifer exchanges. <i>Water Resources Research</i> , 2017, 53, 7740-7755.	1.7	20
1928	Estimation of Nitrogen Load with Multi-pollution Sources Using the SWAT Model: a Case Study in the Cau River Basin in Northern Vietnam. <i>Journal of Water and Environment Technology</i> , 2017, 15, 106-119.	0.3	9
1929	Modeling of Bioretention Systems™ Hydrologic Performance: A Case Study in Beijing. , 2017, , .		0
1930	A Multialgorithm Approach to Land Surface Modeling of Suspended Sediment in the Colorado Front Range. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2526-2544.	1.3	5
1931	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.	1.0	12
1932	Integrating Data from Suquia River Basin: Chemometrics and Other Concepts. <i>Handbook of Environmental Chemistry</i> , 2017, , 181-202.	0.2	0
1933	Effect of Land Use Change Driven by Economic Growth on Sedimentation in River Reach in Southeast Asia. <i>J Agricultural Meteorology</i> , 2017, 73, 22-30.	0.8	9
1934	Computation of Hydro-geomorphologic Changes in Two Basins of Northeastern Greece. , 2017, , .		0
1935	Modelling Impact of Adjusted Agricultural Practices on Nitrogen Leaching to Groundwater. , 0, , .		1
1936	Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey. , 2017, , .		1
1937	Assessment of Water Quality Improvements Using the Hydrodynamic Simulation Approach in Regulated Cascade Reservoirs: A Case Study of Drinking Water Sources of Shenzhen, China. <i>Water (Switzerland)</i> , 2017, 9, 825.	1.2	11
1938	Effects of land use/land cover and climate changes on surface runoff in a semi-humid and semi-arid transition zone in northwest China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 183-196.	1.9	154
1939	Assessment of integrated watershed health based on the natural environment, hydrology, water quality, and aquatic ecology. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5583-5602.	1.9	33
1940	Prediction of storm transfers and annual loads with data-based mechanistic models using high-frequency data. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 6425-6444.	1.9	9
1941	Quantitative Evaluation of Spatial Distribution of Nitrogen Loading in the Citarum River Basin, Indonesia. <i>J Agricultural Meteorology</i> , 2017, 73, 31-44.	0.8	6

#	ARTICLE	IF	CITATIONS
1942	Estimating Snow Mass and Peak River Flows for the Mackenzie River Basin Using GRACE Satellite Observations. <i>Remote Sensing</i> , 2017, 9, 256.	1.8	24
1943	Assessing a Multi-Platform Data Fusion Technique in Capturing Spatiotemporal Dynamics of Heterogeneous Dryland Ecosystems in Topographically Complex Terrain. <i>Remote Sensing</i> , 2017, 9, 981.	1.8	10
1944	Characterizing Drought and Flood Events over the Yangtze River Basin Using the HUST-Grace2016 Solution and Ancillary Data. <i>Remote Sensing</i> , 2017, 9, 1100.	1.8	33
1945	Multi-Criteria Assessment of Spatial Robust Water Resource Vulnerability Using the TOPSIS Method Coupled with Objective and Subjective Weights in the Han River Basin. <i>Sustainability</i> , 2017, 9, 29.	1.6	41
1946	Long Term Quantification of Climate and Land Cover Change Impacts on Streamflow in an Alpine River Catchment, Northwestern China. <i>Sustainability</i> , 2017, 9, 1278.	1.6	19
1947	Sustainability in the Food-Water-Ecosystem Nexus: The Role of Land Use and Land Cover Change for Water Resources and Ecosystems in the Kilombero Wetland, Tanzania. <i>Sustainability</i> , 2017, 9, 1513.	1.6	47
1948	The Impact of Para Rubber Expansion on Streamflow and Other Water Balance Components of the Nam Loei River Basin, Thailand. <i>Water (Switzerland)</i> , 2017, 9, 1.	1.2	108
1949	Categorical Forecast of Precipitation Anomaly Using the Standardized Precipitation Index SPI. <i>Water (Switzerland)</i> , 2017, 9, 8.	1.2	15
1950	Assessment of Optional Sediment Transport Functions via the Complex Watershed Simulation Model SWAT. <i>Water (Switzerland)</i> , 2017, 9, 76.	1.2	20
1951	Hydrological Modeling of Highly Glacierized Basins (Andes, Alps, and Central Asia). <i>Water (Switzerland)</i> , 2017, 9, 111.	1.2	19
1952	Using SWAT and Fuzzy TOPSIS to Assess the Impact of Climate Change in the Headwaters of the Segura River Basin (SE Spain). <i>Water (Switzerland)</i> , 2017, 9, 149.	1.2	50
1953	Relating Watershed Characteristics to Elevated Stream Escherichia coli Levels in Agriculturally Dominated Landscapes: An Iowa Case Study. <i>Water (Switzerland)</i> , 2017, 9, 154.	1.2	11
1954	Effect of Climate Change on Hydrology, Sediment and Nutrient Losses in Two Lowland Catchments in Poland. <i>Water (Switzerland)</i> , 2017, 9, 156.	1.2	35
1955	Modeling Crop Water Productivity Using a Coupled SWATâ€“MODSIM Model. <i>Water (Switzerland)</i> , 2017, 9, 157.	1.2	32
1956	The Spatial and Temporal Contribution of Glacier Runoff to Watershed Discharge in the Yarkant River Basin, Northwest China. <i>Water (Switzerland)</i> , 2017, 9, 159.	1.2	19
1957	Assessment of Climate Change Impacts on Water Resources in Three Representative Ukrainian Catchments Using Eco-Hydrological Modelling. <i>Water (Switzerland)</i> , 2017, 9, 204.	1.2	27
1958	Assessment of Three Long-Term Gridded Climate Products for Hydro-Climatic Simulations in Tropical River Basins. <i>Water (Switzerland)</i> , 2017, 9, 229.	1.2	56
1959	Characterization of Droughts in Humid Subtropical Region, Upper Kafue River Basin (Southern Africa). <i>Water (Switzerland)</i> , 2017, 9, 242.	1.2	23

#	ARTICLE	IF	CITATIONS
1960	Daily Based Morganâ€“Morganâ€“Finney (DMMF) Model: A Spatially Distributed Conceptual Soil Erosion Model to Simulate Complex Soil Surface Configurations. <i>Water (Switzerland)</i> , 2017, 9, 278.	1.2	14
1961	Comparative Study on the Selection Criteria for Fitting Flood Frequency Distribution Models with Emphasis on Upper-Tail Behavior. <i>Water (Switzerland)</i> , 2017, 9, 320.	1.2	11
1962	Optimising Fuzzy Neural Network Architecture for Dissolved Oxygen Prediction and Risk Analysis. <i>Water (Switzerland)</i> , 2017, 9, 381.	1.2	15
1963	Sensitivity of Calibrated Parameters and Water Resource Estimates on Different Objective Functions and Optimization Algorithms. <i>Water (Switzerland)</i> , 2017, 9, 384.	1.2	102
1964	Water Use and Yield of Soybean under Various Irrigation Regimes and Severe Water Stress. Application of AquaCrop and SIMDualKc Models. <i>Water (Switzerland)</i> , 2017, 9, 393.	1.2	28
1965	Using Modeling Tools to Better Understand Permafrost Hydrology. <i>Water (Switzerland)</i> , 2017, 9, 418.	1.2	18
1966	Modeling the Fate and Transport of Malathion in the Pagsanjan-Lumban Basin, Philippines. <i>Water (Switzerland)</i> , 2017, 9, 451.	1.2	15
1967	An Assessment of Mean Areal Precipitation Methods on Simulated Stream Flow: A SWAT Model Performance Assessment. <i>Water (Switzerland)</i> , 2017, 9, 459.	1.2	13
1968	Root Development of Transplanted Cotton and Simulation of Soil Water Movement under Different Irrigation Methods. <i>Water (Switzerland)</i> , 2017, 9, 503.	1.2	18
1969	Assessing the Efficacy of the SWAT Auto-Irrigation Function to Simulate Irrigation, Evapotranspiration, and Crop Response to Management Strategies of the Texas High Plains. <i>Water (Switzerland)</i> , 2017, 9, 509.	1.2	35
1970	Influencing Factors and Simplified Model of Film Hole Irrigation. <i>Water (Switzerland)</i> , 2017, 9, 543.	1.2	18
1971	Comparison of SWAT and GWLF Model Simulation Performance in Humid South and Semi-Arid North of China. <i>Water (Switzerland)</i> , 2017, 9, 567.	1.2	29
1972	Multiâ€“Model Ensemble Approaches to Assessment of Effects of Local Climate Change on Water Resources of the Hotan River Basin in Xinjiang, China. <i>Water (Switzerland)</i> , 2017, 9, 584.	1.2	25
1973	Distributed Hydrological Modeling: Determination of Theoretical Hydraulic Potential & Streamflow Simulation of Extreme Hydrometeorological Events. <i>Water (Switzerland)</i> , 2017, 9, 602.	1.2	5
1974	A Web Based Interface for Distributed Short-Term Soil Moisture Forecasts. <i>Water (Switzerland)</i> , 2017, 9, 604.	1.2	1
1975	Simulink Implementation of a Hydrologic Model: A Tank Model Case Study. <i>Water (Switzerland)</i> , 2017, 9, 639.	1.2	22
1976	Identification of the Factors Influencing the Baseflow in the Permafrost Region of the Northeastern Qinghai-Tibet Plateau. <i>Water (Switzerland)</i> , 2017, 9, 666.	1.2	14
1977	Assessing Thermally Stressful Events in a Rhode Island Coldwater Fish Habitat Using the SWAT Model. <i>Water (Switzerland)</i> , 2017, 9, 667.	1.2	7

#	ARTICLE	IF	CITATIONS
1978	Optimization of a Water Quality Monitoring Network Using a Spatially Referenced Water Quality Model and a Genetic Algorithm. <i>Water (Switzerland)</i> , 2017, 9, 704.	1.2	20
1979	Simulating Climate Change Induced Thermal Stress in Coldwater Fish Habitat Using SWAT Model. <i>Water (Switzerland)</i> , 2017, 9, 732.	1.2	10
1980	Effects of Intra-Storm Soil Moisture and Runoff Characteristics on Ephemeral Gully Development: Evidence from a No-Till Field Study. <i>Water (Switzerland)</i> , 2017, 9, 742.	1.2	11
1981	Streamflow and Sediment Yield Prediction for Watershed Prioritization in the Upper Blue Nile River Basin, Ethiopia. <i>Water (Switzerland)</i> , 2017, 9, 782.	1.2	98
1982	Optimization Strategy for Improving the Energy Efficiency of Irrigation Systems by Micro Hydropower: Practical Application. <i>Water (Switzerland)</i> , 2017, 9, 799.	1.2	20
1983	Performance Assessment of Spatial Interpolation of Precipitation for Hydrological Process Simulation in the Three Gorges Basin. <i>Water (Switzerland)</i> , 2017, 9, 838.	1.2	36
1984	Assessing the Robustness of Snow-Based Drought Indicators in the Upper Colorado River Basin under Future Climate Change. , 2017, , .		0
1985	Model Input Data Uncertainty and Its Potential Impact on Soil Properties. , 2017, , 25-52.		1
1986	Simulation of Soil Erosion Risk in the Upstream Area of Bo River Watershed. , 2017, , 87-99.		10
1987	Climate change impacts on Yangtze River discharge at the Three Gorges Dam. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1911-1927.	1.9	59
1988	Watershed Response to Climate Change and Fire-Burns in the Upper Umatilla River Basin, USA. <i>Climate</i> , 2017, 5, 7.	1.2	5
1989	Water Budget in a Tile Drained Watershed under Future Climate Change Using SWATDRAIN Model. <i>Climate</i> , 2017, 5, 39.	1.2	11
1990	Hydrologic Alterations Predicted by Seasonally-Consistent Subset Ensembles of General Circulation Models. <i>Climate</i> , 2017, 5, 44.	1.2	2
1991	Influence of Parameter Sensitivity and Uncertainty on Projected Runoff in the Upper Niger Basin under a Changing Climate. <i>Climate</i> , 2017, 5, 67.	1.2	5
1992	Water Balance Analysis over the Niger Inland Delta-Mali: Spatio-Temporal Dynamics of the Flooded Area and Water Losses. <i>Hydrology</i> , 2017, 4, 40.	1.3	6
1993	Evaluation of Drought Implications on Ecosystem Services: Freshwater Provisioning and Food Provisioning in the Upper Mississippi River Basin. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 496.	1.2	29
1994	Comprehensive Performance Evaluation for Hydrological and Nutrients Simulation Using the Hydrological Simulation Program“Fortran in a Mesoscale Monsoon Watershed, China. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1599.	1.2	13
1995	Flood risk reduction and flow buffering as ecosystem services “ Part2: Land use and rainfall intensity effects in Southeast Asia. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2341-2360.	1.9	17

#	ARTICLE	IF	CITATIONS
1996	Regional Groundwater Quality Management through Hydrogeological Modeling in LCC, West Faisalabad, Pakistan. <i>Journal of Chemistry</i> , 2017, 2017, 1-16.	0.9	17
1997	Separation of the Climatic and Land Cover Impacts on the Flow Regime Changes in Two Watersheds of Northeastern Tibetan Plateau. <i>Advances in Meteorology</i> , 2017, 2017, 1-15.	0.6	11
1998	Evaluation of Satellite Precipitation Products and Their Potential Influence on Hydrological Modeling over the Ganzi River Basin of the Tibetan Plateau. <i>Advances in Meteorology</i> , 2017, 2017, 1-23.	0.6	61
1999	Impact of LUCC on streamflow based on the SWAT model over the Wei River basin on the Loess Plateau in China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1929-1945.	1.9	54
2000	Calibration of a large-scale hydrological model using satellite-based soil moisture and evapotranspiration products. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3125-3144.	1.9	128
2001	Quantifying the Effects of Future Climate Conditions on Runoff, Sediment, and Chemical Losses at Different Watershed Sizes. <i>Transactions of the ASABE</i> , 2017, 60, 915-929.	1.1	11
2002	Pay-for-Performance Conservation Using SWAT Highlights Need for Field-Level Agricultural Conservation. <i>Transactions of the ASABE</i> , 2017, 60, 1925-1937.	1.1	12
2003	Climate Change Impacts on Runoff, Sediment, and Nutrient Loads in an Agricultural Watershed in the Lower Mississippi River Basin. <i>Applied Engineering in Agriculture</i> , 2017, 33, 379-392.	0.3	30
2004	Simulated hydrologic response to projected changes in precipitation and temperature in the Congo River basin. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4115-4130.	1.9	34
2005	Quantifying the Impact of Seasonal and Short-term Manure Application Decisions on Phosphorus Loss in Surface Runoff. <i>Journal of Environmental Quality</i> , 2017, 46, 1395-1402.	1.0	43
2006	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.	1.2	59
2007	Simulation of soil water balance and partitioning of evapotranspiration of maize grown in two growing seasons in Southern Brazil. <i>Ciencia Rural</i> , 2017, 47, .	0.3	4
2008	Regionalizacion de caudales mensuales en la regi3n hidrogr3fica del Titicaca Puno Per3. <i>Journal of High Andean Research</i> , 2017, 19, .	0.1	2
2009	Multifractal Downscaling of Rainfall Using Normalized Difference Vegetation Index (NDVI) in the Andes Plateau. <i>PLoS ONE</i> , 2017, 12, e0168982.	1.1	9
2010	Future changes in hydro-climatic extremes in the Upper Indus, Ganges, and Brahmaputra River basins. <i>PLoS ONE</i> , 2017, 12, e0190224.	1.1	107
2011	Development of a Coupled Water Quality Model. <i>Transactions of the ASABE</i> , 2017, 60, 1153-1170.	1.1	4
2012	Modeling Streambank Erosion on Composite Streambanks on a Watershed Scale. <i>Transactions of the ASABE</i> , 2017, 60, 753-767.	1.1	6
2013	Relationship of Strawberry Yield with Microclimate Factors in Open and Covered Raised-Bed Production. <i>Transactions of the ASABE</i> , 2017, 60, 1511-1525.	1.1	8

#	ARTICLE	IF	CITATIONS
2014	Impact of temperature changes on groundwater levels and irrigation costs in a groundwater-dependent agricultural region in Northwest Bangladesh. <i>Hydrological Research Letters</i> , 2017, 11, 85-91.	0.3	29
2015	Evaluation of the APEX Model to Simulate Runoff Quality from Agricultural Fields in the Southern Region of the United States. <i>Journal of Environmental Quality</i> , 2017, 46, 1357-1364.	1.0	19
2016	Modelling Nutrient Load Changes from Fertilizer Application Scenarios in Six Catchments around the Baltic Sea. <i>Agriculture (Switzerland)</i> , 2017, 7, 41.	1.4	15
2017	Multisite Evaluation of APEX for Water Quality: I. Best Professional Judgment Parameterization. <i>Journal of Environmental Quality</i> , 2017, 46, 1323-1331.	1.0	15
2018	Optimizing Irrigation Rates for Cotton Production in an Extremely Arid Area Using RZWQM2-Simulated Water Stress. <i>Transactions of the ASABE</i> , 2017, 60, 2041-2052.	1.1	23
2019	Multi-decadal analysis of root-zone soil moisture applying the exponential filter across CONUS. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4403-4417.	1.9	33
2020	Approximate Explicit Solution to the Green-Ampt Infiltration Model for Estimating Wetting Front Depth. <i>Water (Switzerland)</i> , 2017, 9, 609.	1.2	9
2021	Estimation of Instantaneous Peak Flow Using Machine-Learning Models and Empirical Formula in Peninsular Spain. <i>Water (Switzerland)</i> , 2017, 9, 347.	1.2	27
2022	Multisite Evaluation of APEX for Water Quality: II. Regional Parameterization. <i>Journal of Environmental Quality</i> , 2017, 46, 1349-1356.	1.0	13
2023	Predicting Impact of Climate Change on Water Temperature and Dissolved Oxygen in Tropical Rivers. <i>Climate</i> , 2017, 5, 58.	1.2	33
2024	Modeling the water budget of the Upper Blue Nile basin using the JGrass-NewAge model system and satellite data. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3145-3165.	1.9	51
2025	Spatial and Temporal Responses of Soil Erosion to Climate Change Impacts in a Transnational Watershed in Southeast Asia. <i>Climate</i> , 2017, 5, 22.	1.2	17
2026	Multi-variable SWAT model calibration with remotely sensed evapotranspiration and observed flow. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	20
2027	Summer Season Water Temperature Modeling under the Climate Change: Case Study for Fourchue River, Quebec, Canada. <i>Water (Switzerland)</i> , 2017, 9, 346.	1.2	23
2028	Hydrological modeling in semi-arid region using HEC-HMS model. case study in Ain Sefra watershed, Ksour Mountains (SW-Algeria). <i>Journal of Fundamental and Applied Sciences</i> , 2017, 9, 1027.	0.2	8
2029	Improving SWAT model performance in the upper Blue Nile Basin using meteorological data integration and subcatchment discretization. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4907-4926.	1.9	25
2030	Global-scale evaluation of 22 precipitation datasets using gauge observations and hydrological modeling. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 6201-6217.	1.9	541
2031	Predicting Tillering of Diverse Sorghum Germplasm across Environments. <i>Crop Science</i> , 2017, 57, 78-87.	0.8	14

#	ARTICLE	IF	CITATIONS
2032	Examining the impacts of precipitation isotope input (<i>Hydrology and Earth System Sciences, 2017, 21, 2595-2614.	1.9	29
2033	Assessing the Water-Resources Potential of Istanbul by Using a Soil and Water Assessment Tool (SWAT) Hydrological Model. <i>Water (Switzerland)</i> , 2017, 9, 814.	1.2	41
2034	Comparing an Annual and a Daily Time-Step Model for Predicting Field-Scale Phosphorus Loss. <i>Journal of Environmental Quality</i> , 2017, 46, 1314-1322.	1.0	14
2035	Seasonal Manure Application Timing and Storage Effects on Field- and Watershed-Level Phosphorus Losses. <i>Journal of Environmental Quality</i> , 2017, 46, 1403-1412.	1.0	31
2036	Modified APEX model for Simulating Macropore Phosphorus Contributions to Tile Drains. <i>Journal of Environmental Quality</i> , 2017, 46, 1413-1423.	1.0	21
2037	Predicting Forest Road Surface Erosion and Storm Runoff from High-Elevation Sites. <i>Transactions of the ASABE</i> , 2017, 60, 705-719.	1.1	7
2038	Assessing the Impacts of Future Climate Conditions on the Effectiveness of Winter Cover Crops in Reducing Nitrate Loads into the Chesapeake Bay Watersheds Using the SWAT Model. <i>Transactions of the ASABE</i> , 2017, 60, 1939-1955.	1.1	13
2039	Predictability and selection of hydrologic metrics in riverine ecohydrology. <i>Freshwater Science</i> , 2017, 36, 915-926.	0.9	28
2040	Crop and Location Specific Agricultural Drought Quantification: Part III. Forecasting Water Stress and Yield Trends. <i>Transactions of the ASABE</i> , 2017, 60, 741-752.	1.1	8
2041	Evaluating Global Reanalysis Datasets as Input for Hydrological Modelling in the Sudano-Sahel Region. <i>Hydrology</i> , 2017, 4, 13.	1.3	38
2042	Estimating extreme river discharges in Europe through a Bayesian network. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2615-2636.	1.9	25
2043	Performance of a Distributed Hydrological Model Based on Soil and Moisture Zone Maps. <i>Revista Brasileira De Ciencia Do Solo</i> , 2017, 41, .	0.5	4
2044	The effect of satellite-derived surface soil moisture and leaf area index land data assimilation on streamflow simulations over France. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2015-2033.	1.9	38
2045	A synthesis of space-time variability in multicomponent flood response. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2277-2299.	1.9	6
2046	A comparison of the discrete cosine and wavelet transforms for hydrologic model input data reduction. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3827-3838.	1.9	8
2047	Principle of maximum entropy in the estimation of suspended sediment concentration. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	1
2048	Development of Flood Warning System and Flood Inundation Mapping Using Field Survey and LiDAR Data for the Grand River near the City of Painesville, Ohio. <i>Hydrology</i> , 2017, 4, 24.	1.3	27
2049	The importance of parameterization when simulating the hydrologic response of vegetative land-cover change. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3975-3989.	1.9	10

#	ARTICLE	IF	CITATIONS
2050	Identifying the connective strength between model parameters and performance criteria. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5663-5679.	1.9	24
2051	The Variable Saturation Hydraulic Conductivity Method for Improving Soil Water Content Simulation in EPIC and APEX Models. <i>Vadose Zone Journal</i> , 2017, 16, 1-14.	1.3	9
2052	Parameter uncertainty analysis for simulating streamflow in the upper Dong Nai river basin. <i>Houille Blanche</i> , 2017, 103, 14-23.	0.3	9
2053	Application of Satellite-Based Precipitation Estimates to Rainfall-Runoff Modelling in a Data-Scarce Semi-Arid Catchment. <i>Climate</i> , 2017, 5, 32.	1.2	20
2054	Crop and Location Specific Agricultural Drought Quantification: Part II. Case Study. <i>Transactions of the ASABE</i> , 2017, 60, 729-739.	1.1	4
2055	Runoff Simulation by SWAT Model Using High-Resolution Gridded Precipitation in the Upper Heihe River Basin, Northeastern Tibetan Plateau. <i>Water (Switzerland)</i> , 2017, 9, 866.	1.2	29
2056	Characterizing and reducing equifinality by constraining a distributed catchment model with regional signatures, local observations, and process understanding. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3325-3352.	1.9	49
2057	Improving a distributed hydrological model using evapotranspiration-related boundary conditions as additional constraints in a data-scarce river basin. <i>Hydrological Processes</i> , 2018, 32, 759-775.	1.1	36
2058	A multi-objective approach to improve SWAT model calibration in alpine catchments. <i>Journal of Hydrology</i> , 2018, 559, 347-360.	2.3	63
2059	Simulating streamflow in an ungauged catchment of Tonlesap Lake Basin in Cambodia using Soil and Water Assessment Tool (SWAT) model. <i>Water Science</i> , 2018, 32, 89-101.	0.5	40
2060	Reliability-based robust design for reinforcement of jointed rock slope. <i>Georisk</i> , 2018, 12, 152-168.	2.6	13
2061	Assessment of soil factors controlling ephemeral gully erosion on agricultural fields. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1993-2008.	1.2	20
2062	Improving Streamflow Prediction Using Uncertainty Analysis and Bayesian Model Averaging. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	21
2063	Modelling climate change impacts on nutrients and primary production in coastal waters. <i>Science of the Total Environment</i> , 2018, 628-629, 919-937.	3.9	41
2064	Identification and classification of critical soil and water conservation areas in the Muskingum River basin in Ohio. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 213-226.	0.8	10
2065	Impacts of projected climate change on sediment yield and dredging costs. <i>Hydrological Processes</i> , 2018, 32, 1223-1234.	1.1	16
2066	Assessing the capability of TRMM 3B42 V7 to simulate streamflow during extreme rain events: Case study for a Himalayan River Basin. <i>Journal of Earth System Science</i> , 2018, 127, 1.	0.6	16
2067	A Null-Parameter Formula of Storage-Evapotranspiration Relationship at Catchment Scale and its Application for a New Hydrological Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2082-2097.	1.2	12

#	ARTICLE	IF	CITATIONS
2068	Assessment of impacts on basin stream flow derived from medium-term sugarcane expansion scenarios in Brazil. <i>Agriculture, Ecosystems and Environment</i> , 2018, 259, 11-18.	2.5	10
2069	Long-term groundwater dynamics affected by intense agricultural activities in oasis areas of arid inland river basins, Northwest China. <i>Agricultural Water Management</i> , 2018, 203, 37-52.	2.4	54
2070	Upper and lower benchmarks in hydrological modelling. <i>Hydrological Processes</i> , 2018, 32, 1120-1125.	1.1	85
2071	Analysing the accuracy of machine learning techniques to develop an integrated influent time series model: case study of a sewage treatment plant, Malaysia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12139-12149.	2.7	30
2072	Crop model improvement in APSIM: Using wheat as a case study. <i>European Journal of Agronomy</i> , 2018, 100, 141-150.	1.9	49
2073	SWAT-Based Hydrological Modelling Using Model Selection Criteria. <i>Water Resources Management</i> , 2018, 32, 2181-2197.	1.9	16
2074	Finite volume coastal ocean model for water-level fluctuation due to climate change in Aguelmam Sidi Ali Lake (Middle Atlas, Morocco). <i>Annales De Limnologie</i> , 2018, 54, 5.	0.6	7
2075	Testing the Hydrological Coherence of High-Resolution Gridded Precipitation and Temperature Data Sets. <i>Water Resources Research</i> , 2018, 54, 1999-2016.	1.7	41
2076	Estimation of the added value of using rainfall-runoff transformation and statistical models for seasonal streamflow forecasting. <i>Hydrological Sciences Journal</i> , 2018, 63, 630-645.	1.2	4
2077	Calibration of snow parameters in SWAT: comparison of three approaches in the Upper Adige River basin (Italy). <i>Hydrological Sciences Journal</i> , 2018, 63, 657-678.	1.2	23
2078	Evaluation and hydrological application of satellite-based precipitation datasets in driving hydrological models over the Huifa river basin in Northeast China. <i>Atmospheric Research</i> , 2018, 207, 28-41.	1.8	45
2079	Selected model fusion: an approach for improving the accuracy of monthly streamflow forecasting. <i>Journal of Hydroinformatics</i> , 2018, 20, 917-933.	1.1	12
2080	GIS-based modelling of soil erosion processes using the modified M3 (MMM) model in a large watershed having vast agro-climatological differences. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2064-2076.	1.2	10
2081	Measuring and modelling energy partitioning in canopies of varying complexity using MAESPA model. <i>Agricultural and Forest Meteorology</i> , 2018, 253-254, 203-217.	1.9	24
2082	The development of land use planning scenarios based on land suitability and its influences on eco-hydrological responses in the upstream of the Huaihe River basin. <i>Ecological Modelling</i> , 2018, 373, 53-67.	1.2	35
2083	SWAT-MODSIM-PSO optimization of multi-crop planning in the Karkheh River Basin, Iran, under the impacts of climate change. <i>Science of the Total Environment</i> , 2018, 630, 502-516.	3.9	53
2084	Application of an unmanned aerial system for monitoring paddy productivity using the GRAMI-rice model. <i>International Journal of Remote Sensing</i> , 2018, 39, 2441-2462.	1.3	19
2085	Precipitation forecasting using classification and regression trees (CART) model: a comparative study of different approaches. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	88

#	ARTICLE	IF	CITATIONS
2086	Evaluation of AnnAGNPS for simulating the inundation of drained and farmed potholes in the Prairie Pothole Region of Iowa. <i>Agricultural Water Management</i> , 2018, 204, 38-46.	2.4	11
2087	Evaluation of the Fao's Methodology For Estimating Maize Water Requirements Under Deficit And Full Irrigation Regimes In Semiarid Northeastern Colorado. <i>Irrigation and Drainage</i> , 2018, 67, 605-614.	0.8	7
2088	Modeling the biotransformation of trimethoprim in biological nutrient removal system. <i>Water Science and Technology</i> , 2018, 2017, 144-155.	1.2	6
2089	Influence of climate change on flood magnitude and seasonality in the Arga River catchment in Spain. <i>Acta Geophysica</i> , 2018, 66, 769-790.	1.0	14
2090	Improvement and application of the PCPFA@SWAT2012 model for predicting pesticide transport: a case study of the Sakura River watershed. <i>Pest Management Science</i> , 2018, 74, 2520-2529.	1.7	7
2091	A Modified Groundwater Module in SWAT for Improved Streamflow Simulation in a Large, Arid Endorheic River Watershed in Northwest China. <i>Chinese Geographical Science</i> , 2018, 28, 47-60.	1.2	13
2092	Identifying efficient agricultural irrigation strategies in Crete. <i>Science of the Total Environment</i> , 2018, 633, 271-284.	3.9	21
2093	Modelo analítico para el cálculo de distribuciones de velocidad laterales en secciones tipo potencial-ley. <i>Ribagua</i> , 2018, 5, 29-47.	0.3	1
2094	Assessing the impacts of urbanization on hydrological processes in a semi-arid river basin of Maharashtra, India. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 699-728.	1.9	20
2095	Estimation of water balance and water yield in the Reedy Fork-Buffalo Creek Watershed in North Carolina using SWAT. <i>International Soil and Water Conservation Research</i> , 2018, 6, 203-213.	3.0	63
2096	Hydrological model using ground- and satellite-based data for river flow simulation towards supporting water resource management in the Red River Basin, Vietnam. <i>Journal of Environmental Management</i> , 2018, 217, 346-355.	3.8	16
2097	Source tracking and temperature prediction of discharged water in a deep reservoir based on a 3-D hydro-thermal-tracer model. <i>Journal of Hydro-Environment Research</i> , 2018, 20, 9-21.	1.0	31
2098	Statistics for sample splitting for the calibration and validation of hydrological models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 3099-3116.	1.9	27
2099	Stability Analysis of a Large Gold Mine Open-Pit Slope Using Advanced Probabilistic Method. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 2153-2174.	2.6	27
2100	Coupling of 1D models (SWAT and SWMM) with 2D model (iRIC) for mapping inundation in Brahmani and Baitarani river delta. <i>Natural Hazards</i> , 2018, 92, 1821-1840.	1.6	23
2101	Long-Term Hydrologic Impact Assessment of Non-point Source Pollution Measured Through Land Use/Land Cover (LULC) Changes in a Tropical Complex Catchment. <i>Earth Systems and Environment</i> , 2018, 2, 67-84.	3.0	35
2102	Simulating long-term effect of Hyrcanian forest loss on phosphorus loading at the sub-watershed level. <i>Journal of Arid Land</i> , 2018, 10, 457-469.	0.9	7
2103	Watershed erosion modeling using the probability of sediment connectivity in a gently rolling system. <i>Journal of Hydrology</i> , 2018, 561, 862-883.	2.3	39

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2104	Effect of input data in hydraulic modeling for flood warning systems. <i>Hydrological Sciences Journal</i> , 2018, 63, 938-956.	1.2	28
2105	An Investigation of Errors in Distributed Models' Stream Discharge Prediction Due to Channel Routing. <i>Journal of the American Water Resources Association</i> , 2018, 54, 742-751.	1.0	9
2106	Modeling of discharge and sediment transport through the SWAT model in the basin of Harraza (Northwest of Algeria). <i>Water Science</i> , 2018, 32, 79-88.	0.5	51
2107	Investigation of impacts of land use/land cover change on water availability of Tons River Basin, Madhya Pradesh, India. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 295-310.	1.9	66
2108	Study of the spatial and temporal distribution of accumulated solids in an experimental vertical-flow constructed wetland system. <i>Science of the Total Environment</i> , 2018, 628-629, 509-516.	3.9	10
2109	Prediction of enteric methane production, yield, and intensity in dairy cattle using an intercontinental database. <i>Global Change Biology</i> , 2018, 24, 3368-3389.	4.2	166
2110	Analysis and modeling of algal blooms in the Nakdong River, Korea. <i>Ecological Modelling</i> , 2018, 372, 53-63.	1.2	37
2111	Impact of Water Resources Development on Water Availability for Hydropower Production and Irrigated Agriculture of the Eastern Nile Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	22
2112	Climate change impact assessment of a river basin using CMIP5 climate models and the VIC hydrological model. <i>Hydrological Sciences Journal</i> , 2018, 63, 596-614.	1.2	24
2113	Simulating eroded soil organic carbon with the SWAT-C model. <i>Environmental Modelling and Software</i> , 2018, 102, 39-48.	1.9	34
2114	Water Resource Planning Under Future Climate and Socioeconomic Uncertainty in the Cauvery River Basin in Karnataka, India. <i>Water Resources Research</i> , 2018, 54, 708-728.	1.7	83
2115	Evaluation of the fast orthogonal search method for forecasting chloride levels in the Deltona groundwater supply (Florida, USA). <i>Hydrogeology Journal</i> , 2018, 26, 1809-1820.	0.9	2
2116	Modelling the effects of climate and land-use change on the hydrochemistry and ecology of the River Wye (Wales). <i>Science of the Total Environment</i> , 2018, 627, 733-743.	3.9	17
2117	Understanding Apartment End-Use Water Consumption in Two Green Residential Multistory Buildings. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	15
2118	Application of the MacCormack scheme to overland flow routing for high-spatial resolution distributed hydrological model. <i>Journal of Hydrology</i> , 2018, 558, 421-431.	2.3	9
2119	Innovative dual-step management of semi-aerobic landfill in a tropical climate. <i>Waste Management</i> , 2018, 74, 302-311.	3.7	18
2120	Impact of Soil and Water Conservation Interventions on Watershed Runoff Response in a Tropical Humid Highland of Ethiopia. <i>Environmental Management</i> , 2018, 61, 860-874.	1.2	33
2121	Rising tides, rising gates: The complex ecogeomorphic response of coastal wetlands to sea-level rise and human interventions. <i>Advances in Water Resources</i> , 2018, 114, 135-148.	1.7	43

#	ARTICLE	IF	CITATIONS
2122	The effect of drought and nitrogen fertiliser addition on nitrate leaching risk from a pasture soil; an assessment from a field experiment and modelling. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3795-3805.	1.7	15
2123	Parameter optimization for carbon and water fluxes in two global land surface models based on surrogate modelling. <i>International Journal of Climatology</i> , 2018, 38, e1016.	1.5	23
2124	Modeling Subsurface Hydrology in Floodplains. <i>Water Resources Research</i> , 2018, 54, 1428-1459.	1.7	5
2125	Characterizing ponds in a watershed simulation and evaluating their influence on streamflow in a Mississippi watershed. <i>Hydrological Sciences Journal</i> , 2018, 63, 302-311.	1.2	17
2126	One-Dimensional Hydraulic Analysis of the Effect of Sea Level Rise on Salinity Intrusion in the Sebou Estuary, Morocco. <i>Marine Geodesy</i> , 2018, 41, 270-288.	0.9	22
2127	Quantifying contributions of slaking and mechanical breakdown of soil aggregates to splash erosion for different soils from the Loess plateau of China. <i>Soil and Tillage Research</i> , 2018, 178, 150-158.	2.6	70
2128	Identifying sediment source areas in a Mediterranean watershed using the SWAT model. <i>Land Degradation and Development</i> , 2018, 29, 1233-1248.	1.8	60
2129	Hydrometeorological impact of climate change in two Mediterranean basins. <i>International Journal of River Basin Management</i> , 2018, 16, 245-257.	1.5	8
2130	Hydrologic Evaluation of the TMPA-3B42V7 Precipitation Data Set over an Agricultural Watershed Using the SWAT Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 05018003.	0.8	34
2131	Bias correcting instantaneous peak flows generated using a continuous, semi-distributed hydrologic model. <i>Journal of Flood Risk Management</i> , 2018, 11, .	1.6	9
2132	Estimating the Natural Flow Regime of Rivers With Long-standing Development: The Northern Branch of the Rio Grande. <i>Water Resources Research</i> , 2018, 54, 1212-1236.	1.7	49
2133	Comparison of different wind data interpolation methods for a region with complex terrain in Central Asia. <i>Climate Dynamics</i> , 2018, 51, 3635-3652.	1.7	9
2134	Effects of historical and projected land use/cover change on runoff and sediment yield in the Netravati river basin, Western Ghats, India. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	54
2135	Modeling sustainable adaptation strategies toward a climate-smart agriculture in a Mediterranean watershed under projected climate change scenarios. <i>Agricultural Systems</i> , 2018, 162, 154-163.	3.2	83
2136	Quantitative study of the crop production water footprint using the SWAT model. <i>Ecological Indicators</i> , 2018, 89, 1-10.	2.6	65
2137	Depressional wetlands affect watershed hydrological, biogeochemical, and ecological functions. <i>Ecological Applications</i> , 2018, 28, 953-966.	1.8	91
2138	Modification of the SWAT model to simulate regional groundwater flow using a multicell aquifer. <i>Hydrological Processes</i> , 2018, 32, 939-953.	1.1	35
2139	Projected climate change impacts on hydrologic flow regimes in the Great Plains of Kansas. <i>River Research and Applications</i> , 2018, 34, 195-206.	0.7	15

#	ARTICLE	IF	CITATIONS
2140	Uncertainty analysis of hydrological modeling in a tropical area using different algorithms. <i>Frontiers of Earth Science</i> , 2018, 12, 661-671.	0.9	23
2141	Wine grape cultivar influence on the performance of models that predict the lower threshold canopy temperature of a water stress index. <i>Computers and Electronics in Agriculture</i> , 2018, 145, 122-129.	3.7	9
2142	Tools for managing hydrologic alteration on a regional scale: Setting targets to protect stream health. <i>Freshwater Biology</i> , 2018, 63, 786-803.	1.2	24
2143	Regional flood frequency analysis using support vector regression in arid and semi-arid regions of Iran. <i>Hydrological Sciences Journal</i> , 2018, 63, 426-440.	1.2	35
2144	Evaluation of land-use change effects on runoff and soil erosion of a hilly basin – the Yanhe River in the Chinese Loess Plateau. <i>Land Degradation and Development</i> , 2018, 29, 1211-1221.	1.8	70
2145	Evaluating the Importance of Non-Unique Behavioural Parameter Sets on Surface Water Quality Variables under Climate Change Conditions in a Mesoscale Agricultural Watershed. <i>Water Resources Management</i> , 2018, 32, 619-639.	1.9	14
2146	Entropy for Determination of Suspended Sediment Concentration: Parameter Related to Granulometry. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, 04017111.	0.7	2
2147	Prediction of soil and water conservation structure impacts on runoff and erosion processes using SWAT model in the northern Ethiopian highlands. <i>Journal of Soils and Sediments</i> , 2018, 18, 1743-1755.	1.5	48
2148	Modeling hydromorphological processes in a mountainous basin using a composite mathematical model and ArcSWAT. <i>Catena</i> , 2018, 162, 108-129.	2.2	30
2149	Hydrometeorology of the catastrophic Blanco river flood in South Texas, May 2015. <i>Journal of Hydrology: Regional Studies</i> , 2018, 15, 90-104.	1.0	12
2150	Climate-change potential effects on the hydrological regime of freshwater springs in the Italian Northern Apennines. <i>Science of the Total Environment</i> , 2018, 622-623, 337-348.	3.9	18
2151	Predicting sediment yield and transport dynamics of a cold climate region watershed in changing climate. <i>Science of the Total Environment</i> , 2018, 625, 1030-1045.	3.9	73
2152	Modelling the impacts of structural conservation measures on sediment and water yield in Thika-Chania catchment, Kenya. <i>International Soil and Water Conservation Research</i> , 2018, 6, 165-174.	3.0	20
2153	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.	2.3	19
2154	Comparison of baseline period choices for separating climate and land use/land cover change impacts on watershed hydrology using distributed hydrological models. <i>Science of the Total Environment</i> , 2018, 622-623, 1016-1028.	3.9	59
2155	Automated calibration of a two-dimensional overland flow model by estimating Manning's roughness coefficient using genetic algorithm. <i>Journal of Hydroinformatics</i> , 2018, 20, 440-456.	1.1	5
2156	Water requirements of short rotation poplar coppice: Experimental and modelling analyses across Europe. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 343-360.	1.9	17
2157	Assessment of Future Drought Conditions in the Chesapeake Bay Watershed. <i>Journal of the American Water Resources Association</i> , 2018, 54, 160-183.	1.0	40

#	ARTICLE	IF	CITATIONS
2158	Modeling the effects of climatic and land use changes on phytoplankton and water quality of the largest Turkish freshwater lake: Lake BeyÅehir. <i>Science of the Total Environment</i> , 2018, 621, 802-816.	3.9	97
2159	Assessment of water balance for a forest dominated coastal river basin in India using a semi distributed hydrological model. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 127-140.	1.9	17
2160	Quantifying the combined effects of land use and climate changes on stream flow and nutrient loads: A modelling approach in the Odense Fjord catchment (Denmark). <i>Science of the Total Environment</i> , 2018, 621, 253-264.	3.9	79
2161	Comparison of HSPF and PRMS Model Simulated Flows Using Different Temporal and Spatial Scales in the Black Hills, South Dakota. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 06017009.	0.8	2
2162	Optimal reservoir operation using soil and water assessment tool and genetic algorithm. <i>ISH Journal of Hydraulic Engineering</i> , 2018, 24, 249-257.	1.1	5
2163	Climate change impact assessment on the hydrological regime of the Kaligandaki Basin, Nepal. <i>Science of the Total Environment</i> , 2018, 625, 837-848.	3.9	129
2164	Evaluation of the SWAT model for water balance study of a mountainous snowfed river basin of Nepal. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	65
2165	Patterns and magnitude of flow alteration in California, USA. <i>Freshwater Biology</i> , 2018, 63, 859-873.	1.2	36
2166	Time-lag effects of vegetation responses to soil moisture evolution: a case study in the Xijiang basin in South China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2423-2432.	1.9	20
2167	A life cycle impact assessment method for freshwater eutrophication due to the transport of phosphorus from agricultural production. <i>Journal of Cleaner Production</i> , 2018, 177, 474-482.	4.6	56
2168	Hydrological simulation in a tropical humid basin in the Cerrado biome using the SWAT model. <i>Hydrology Research</i> , 2018, 49, 908-923.	1.1	31
2169	Using gene expression programming in monthly reference evapotranspiration modeling: A case study in Egypt. <i>Agricultural Water Management</i> , 2018, 198, 28-38.	2.4	67
2171	Modeling land use changes and their impact on sediment load in a Mediterranean watershed. <i>Catena</i> , 2018, 163, 342-353.	2.2	54
2172	Implementation of cell-to-cell routing scheme in a large scale conceptual hydrological model. <i>Environmental Modelling and Software</i> , 2018, 101, 23-33.	1.9	34
2173	Toward Improved Calibration of SWAT Using Season-Based Multi-Objective Optimization: a Case Study in the Jinjiang Basin in Southeastern China. <i>Water Resources Management</i> , 2018, 32, 1193-1207.	1.9	21
2174	Effect of single and multi-site calibration techniques on hydrological model performance, parameter estimation and predictive uncertainty: a case study in the Logone catchment, Lake Chad basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1665-1682.	1.9	45
2175	Evaluating hydrologic responses to soil characteristics using SWAT model in a paired-watersheds in the Upper Blue Nile Basin. <i>Catena</i> , 2018, 163, 332-341.	2.2	53
2176	A Streamflow and Water Level Forecasting Model for the Ganges, Brahmaputra, and Meghna Rivers with Requisite Simplicity. <i>Journal of Hydrometeorology</i> , 2018, 19, 201-225.	0.7	19

#	ARTICLE	IF	CITATIONS
2177	Enhancement of a Parsimonious Water Balance Model to Simulate Surface Hydrology in a Glacierized Watershed. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 1116-1132.	1.0	7
2178	Mangrove carbon assessment tool: Model validation and assessment of mangroves in southern USA and Mexico. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 208, 107-117.	0.9	10
2179	Soil and Water Assessment Tool model predictions of annual maximum pesticide concentrations in high vulnerability watersheds. <i>Integrated Environmental Assessment and Management</i> , 2018, 14, 358-368.	1.6	18
2180	Applicability of TOPMODEL in the mountainous catchments in the upper Nysa KÅ,odzka river basin (SW) Tj ETQq1 1 0.784314 rgBT /Cv	1.0	15
2181	Addressing the incorrect usage of wavelet-based hydrological and water resources forecasting models for real-world applications with best practices and a new forecasting framework. <i>Journal of Hydrology</i> , 2018, 563, 336-353.	2.3	146
2182	Hybrid modeling approach for the northern Adriatic watershed management. <i>Science of the Total Environment</i> , 2018, 635, 353-363.	3.9	11
2183	Time-varying suspended sediment discharge rating curves to estimate climate impacts on fluvial sediment transport. <i>Hydrological Processes</i> , 2018, 32, 102-117.	1.1	20
2184	Spatial Modeling of Land Cover/Land Use Change and Its Effects on Hydrology Within the Lower Mekong Basin. <i>Springer Remote Sensing/photogrammetry</i> , 2018, , 667-698.	0.4	2
2185	Sensitivity of Probable Maximum Flood in a Changing Environment. <i>Water Resources Research</i> , 2018, 54, 3913-3936.	1.7	24
2186	Kayak drifter surface velocity observation for 2D hydraulic model validation. <i>River Research and Applications</i> , 2018, 34, 124-134.	0.7	14
2187	Alpine foreland running drier? Sensitivity of a drought vulnerable catchment to changes in climate, land use, and water management. <i>Climatic Change</i> , 2018, 147, 179-193.	1.7	20
2188	Comparing multi-objective optimization techniques to calibrate a conceptual hydrological model using in situ runoff and daily GRACE data. <i>Computational Geosciences</i> , 2018, 22, 789-814.	1.2	41
2189	Modelling the effects of land use and climate change on the water resources in the eastern Baltic Sea region using the SWAT model. <i>Catena</i> , 2018, 167, 78-89.	2.2	60
2190	Assessment and evaluation of potential climate change impact on monsoon flows using machine learning technique over Wainganga River basin, India. <i>Hydrological Sciences Journal</i> , 2018, 63, 1020-1046.	1.2	35
2191	Development of a polder module in the <sc>SWAT</sc> model: <sc>SWATpld</sc> for simulating polder areas in south-eastern China. <i>Hydrological Processes</i> , 2018, 32, 1050-1062.	1.1	10
2192	Assessing Short-Term Impacts of Management Practices on N ₂ O Emissions From Diverse Mediterranean Agricultural Ecosystems Using a Biogeochemical Model. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1557-1571.	1.3	22
2193	Current and future hot-spots and hot-moments of nitrous oxide emission in a cold climate river basin. <i>Environmental Pollution</i> , 2018, 239, 648-660.	3.7	29
2194	A modification of the Regional Nutrient Management model (ReNuMa) to identify long-term changes in riverine nitrogen sources. <i>Journal of Hydrology</i> , 2018, 561, 31-42.	2.3	21

#	ARTICLE	IF	CITATIONS
2195	Historical trends and the long-term changes of the hydrological cycle components in a Mediterranean river basin. <i>Science of the Total Environment</i> , 2018, 636, 558-568.	3.9	5
2196	Modeling Infiltration and Runoff with Surface Crust under Unsteady Rainfalls. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	4
2197	Predicting soils and environmental impacts associated with switchgrass for bioenergy production: a DAYCENT modeling approach. <i>GCB Bioenergy</i> , 2018, 10, 287-302.	2.5	5
2198	Simulating crop yield, surface runoff, tile drainage and phosphorus loss in a clay loam soil of the Lake Erie region using EPIC. <i>Agricultural Water Management</i> , 2018, 204, 212-221.	2.4	18
2199	A probabilistic method for streamflow projection and associated uncertainty analysis in a data sparse alpine region. <i>Global and Planetary Change</i> , 2018, 165, 100-113.	1.6	26
2200	Implications of biofuel-induced changes in land use and crop management on sustainability of agriculture in the Texas High Plains. <i>Biomass and Bioenergy</i> , 2018, 111, 13-21.	2.9	2
2201	Understanding plot-scale hydrology of Lesser Himalayan watershed—A field study and HYDRUS-2D modelling approach. <i>Hydrological Processes</i> , 2018, 32, 1254-1266.	1.1	9
2202	Nondestructive Estimation of Standing Crop and Fuel Moisture Content in Tallgrass Prairie. <i>Rangeland Ecology and Management</i> , 2018, 71, 356-362.	1.1	20
2203	An automated algorithm for mapping building impervious areas from airborne LiDAR point-cloud data for flood hydrology. <i>GIScience and Remote Sensing</i> , 2018, 55, 793-816.	2.4	11
2204	Assessing the significance of evapotranspiration in green roof modeling by SWMM. <i>Journal of Hydroinformatics</i> , 2018, 20, 588-596.	1.1	10
2205	Global Sensitivity Analysis and Uncertainty Quantification of Crude Distillation Unit Using Surrogate Model Based on Gaussian Process Regression. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5035-5044.	1.8	13
2206	Investigation of the Behavior of an Agricultural-Operated Dam Reservoir Under RCP Scenarios of AR5-IPCC. <i>Water Resources Management</i> , 2018, 32, 2847-2866.	1.9	26
2207	Assessing the impact of the MRBI program in a data limited Arkansas watershed using the SWAT model. <i>Agricultural Water Management</i> , 2018, 202, 202-219.	2.4	25
2208	How Well Does Noah-MP Simulate the Regional Mean and Spatial Variability of Topsoil Water Content in Two Agricultural Landscapes in Southwest Germany?. <i>Journal of Hydrometeorology</i> , 2018, 19, 555-573.	0.7	7
2209	Budgeting suspended sediment fluxes in tropical monsoonal watersheds with limited data: the Lake Tana basin. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 65-78.	0.7	34
2210	Statistical summer mass-balance forecast model with application to Br�arj�kull glacier, South East Iceland. <i>Journal of Glaciology</i> , 2018, 64, 311-320.	1.1	1
2211	Variance analysis of forecasted streamflow maxima in a wet temperate climate. <i>Journal of Hydrology</i> , 2018, 560, 364-381.	2.3	6
2212	Coupling hydrological modeling and support vector regression to model hydropeaking in alpine catchments. <i>Science of the Total Environment</i> , 2018, 633, 220-229.	3.9	28

#	ARTICLE	IF	CITATIONS
2213	Parametrization of Cropsyst model for the simulation of a potato crop in a Mediterranean environment. <i>Agricultural Water Management</i> , 2018, 203, 297-310.	2.4	6
2214	Exploring the effects of nitrogen fertilization management alternatives on nitrate loss and crop yields in tile-drained fields in Illinois. <i>Journal of Environmental Management</i> , 2018, 213, 341-352.	3.8	31
2215	Combining rainfall-runoff and hydrodynamic models for simulating flow under the impact of climate change to the lower Sai Gon-Dong Nai River basin. <i>Paddy and Water Environment</i> , 2018, 16, 457-465.	1.0	7
2216	How the performance of hydrological models relates to credibility of projections under climate change. <i>Hydrological Sciences Journal</i> , 2018, 63, 696-720.	1.2	133
2217	Impact of Climate Variability and Landscape Patterns on Water Budget and Nutrient Loads in a Peri-urban Watershed: A Coupled Analysis Using Process-based Hydrological Model and Landscape Indices. <i>Environmental Management</i> , 2018, 61, 954-967.	1.2	19
2218	The projected changes in water status of the Mae Klong Basin, Thailand, using WEAP model. <i>Paddy and Water Environment</i> , 2018, 16, 439-455.	1.0	24
2219	Field estimation of water extraction coefficients with APSIM-Slurp for water uptake assessments in perennial forages. <i>Field Crops Research</i> , 2018, 222, 26-38.	2.3	12
2220	Perennial vegetation impacts on stream discharge and channel sources of sediment in the Minnesota River Basin. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 120-132.	0.8	10
2221	Assessment of the viscoelastic mechanical properties of polycarbonate urethane for medical devices. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 82, 1-8.	1.5	9
2222	Modeling of flood generation in semi-arid catchment using a spatially distributed model: case of study Wadi Mekerra catchment (Northwest Algeria). <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	8
2223	Numerical solution of the Saint-Venant equations by an efficient hybrid finite-volume/finite-difference method. <i>Journal of Hydrodynamics</i> , 2018, 30, 189-202.	1.3	16
2224	Revealing recent calving activity of a tidewater glacier with terrestrial LiDAR reflection intensity. <i>Cold Regions Science and Technology</i> , 2018, 151, 288-301.	1.6	9
2225	Water quality assessment and catchment-scale nutrient flux modeling in the Ramganga River Basin in north India: An application of INCA model. <i>Science of the Total Environment</i> , 2018, 631-632, 201-215.	3.9	29
2226	Modelling hydrological response under climate change scenarios using SWAT model: the case of Ilala watershed, Northern Ethiopia. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 437-449.	1.9	26
2227	Parameter transferability within homogeneous regions and comparisons with predictions from a priori parameters in the eastern United States. <i>Journal of Hydrology</i> , 2018, 560, 24-38.	2.3	11
2228	Value of different precipitation data for flood prediction in an alpine catchment: A Bayesian approach. <i>Journal of Hydrology</i> , 2018, 556, 961-971.	2.3	36
2229	Changes identification of the Three Gorges reservoir inflow and the driving factors quantification. <i>Quaternary International</i> , 2018, 475, 28-41.	0.7	17
2230	Non-linear models for the prediction of specified design strengths of concretes development profile. <i>HBRC Journal</i> , 2018, 14, 123-136.	0.2	7

#	ARTICLE	IF	CITATIONS
2231	Modelling hydrological impacts of agricultural expansion in two macro-catchments in Southern Amazonia, Brazil. <i>Regional Environmental Change</i> , 2018, 18, 91-103.	1.4	34
2232	CO ₂ fluxes in subtropical dryland soils—a comparison of the gradient and the closed-chamber method. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 21-30.	1.1	7
2233	Impacts of climate change on the water quality of the Elbe Estuary (Germany). <i>Journal of Applied Water Engineering and Research</i> , 2018, 6, 28-39.	1.0	4
2234	Evaluation and modeling of runoff and sediment yield for different land covers under simulated rain in a semiarid region of Brazil. <i>International Journal of Sediment Research</i> , 2018, 33, 117-125.	1.8	28
2235	Spatial patterns of hydrological responses to land use/cover change in a catchment on the Loess Plateau, China. <i>Ecological Indicators</i> , 2018, 92, 151-160.	2.6	67
2236	Application of SWAT model for predicting soil erosion and sediment yield. <i>Sustainable Water Resources Management</i> , 2018, 4, 447-468.	1.0	28
2237	Adequacy of TRMM satellite rainfall data in driving the SWAT modeling of Tiaoxi catchment (Taihu) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	96
2238	Estimating the impacts of climate change on crop yields and N ₂ O emissions for conventional and no-tillage in Southwestern Ontario, Canada. <i>Agricultural Systems</i> , 2018, 159, 187-198.	3.2	69
2239	Estimation of the climate change impact on a catchment water balance using an ensemble of GCMs. <i>Journal of Hydrology</i> , 2018, 556, 1192-1204.	2.3	113
2240	Precipitation projections under GCMs perspective and Turkish Water Foundation (TWF) statistical downscaling model procedures. <i>Theoretical and Applied Climatology</i> , 2018, 132, 153-166.	1.3	19
2241	The potential of nonparametric model in foundation bearing capacity prediction. <i>Neural Computing and Applications</i> , 2018, 30, 3235-3241.	3.2	9
2242	Joint atmospheric-terrestrial water balances for East Africa: a WRF-Hydro case study for the upper Tana River basin. <i>Theoretical and Applied Climatology</i> , 2018, 131, 1337-1355.	1.3	66
2243	Performance of bias corrected MPEG rainfall estimate for rainfall-runoff simulation in the upper Blue Nile Basin, Ethiopia. <i>Journal of Hydrology</i> , 2018, 556, 1182-1191.	2.3	44
2244	Factors of runoff generation in the Dongting Lake basin based on a SWAT model and implications of recent land cover change. <i>Quaternary International</i> , 2018, 475, 54-62.	0.7	26
2245	Improving bank erosion modelling at catchment scale by incorporating temporal and spatial variability. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 124-133.	1.2	20
2246	Optimizing best management practices for nutrient pollution control in a lake watershed under uncertainty. <i>Ecological Indicators</i> , 2018, 92, 288-300.	2.6	33
2247	Hydrological modeling of the MikÅs watershed (Morocco) using ARCSWAT model. <i>Sustainable Water Resources Management</i> , 2018, 4, 105-115.	1.0	9
2248	Bioregeneration of spent mercury bearing sulfur-impregnated activated carbon adsorbent. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5095-5104.	2.7	4

#	ARTICLE	IF	CITATIONS
2249	Evaluation of spring discharge dynamics using recession curve analysis: a case study in data-scarce region, Lesser Himalayas, India. <i>Sustainable Water Resources Management</i> , 2018, 4, 539-557.	1.0	19
2250	Water use efficiency and TN/TP concentrations as indicators for watershed land-use management: A case study in Miyun District, north China. <i>Ecological Indicators</i> , 2018, 92, 239-253.	2.6	21
2251	Estimating soil loss for sustainable land management planning at the Gelana sub-watershed, northern highlands of Ethiopia. <i>International Journal of River Basin Management</i> , 2018, 16, 41-50.	1.5	22
2252	Do models parameterized with observations from the system predict larval yellow perch (<i>Perca</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Sciences, 2018, 75, 82-94.	0.7	1
2253	Assessment of future flood inundations under climate and land use change scenarios in the Ciliwung River Basin, Jakarta. <i>Journal of Flood Risk Management</i> , 2018, 11, .	1.6	77
2254	Improving SWAT auto-irrigation functions for simulating agricultural irrigation management using long-term lysimeter field data. <i>Environmental Modelling and Software</i> , 2018, 99, 25-38.	1.9	52
2255	Towards Real-time Continental Scale Streamflow Simulation in Continuous and Discrete Space. <i>Journal of the American Water Resources Association</i> , 2018, 54, 7-27.	1.0	75
2256	Rainfall-runoff simulations of extreme monsoon rainfall events in a tropical river basin of India. <i>Natural Hazards</i> , 2018, 90, 843-861.	1.6	26
2257	Using numerical modelling in the simulation of mass fish death phenomenon along the Central Coast of Vietnam. <i>Marine Pollution Bulletin</i> , 2018, 129, 740-749.	2.3	4
2258	Anthropogenic increases of catchment nitrogen and phosphorus loads in New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2018, 52, 336-361.	0.8	40
2259	Development and evaluation of the bacterial fate and transport module for the Agricultural Policy/Environmental eXtender (APEX) model. <i>Science of the Total Environment</i> , 2018, 615, 47-58.	3.9	13
2260	Structural Universality of the Distributed Hydrological Model for Small- and Medium-Scale Basins with Different Topographies. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 04017054.	0.8	1
2261	N loss to drain flow and N ₂ O emissions from a corn-soybean rotation with winter rye. <i>Science of the Total Environment</i> , 2018, 618, 982-997.	3.9	41
2262	Hydrological response to climate change of the Brahmaputra basin using CMIP5 general circulation model ensemble. <i>Journal of Water and Climate Change</i> , 2018, 9, 434-448.	1.2	21
2263	Modelling water flow in a complex watershed in humid a tropical area using SWAT: a case study of Taabo watershed in Ivory Coast. <i>International Journal of River Basin Management</i> , 2018, 16, 157-167.	1.5	12
2264	River suspended sediment modelling using the CART model: A comparative study of machine learning techniques. <i>Science of the Total Environment</i> , 2018, 615, 272-281.	3.9	207
2265	Machine learning prediction of coffee rust severity on leaves using spectroradiometer data. <i>Tropical Plant Pathology</i> , 2018, 43, 117-127.	0.8	27
2266	Monthly Rainfall Forecasting Using Echo State Networks Coupled with Data Preprocessing Methods. <i>Water Resources Management</i> , 2018, 32, 659-674.	1.9	35

#	ARTICLE	IF	CITATIONS
2267	Topographic metric predictions of soil redistribution and organic carbon in Iowa cropland fields. <i>Catena</i> , 2018, 160, 222-232.	2.2	57
2268	A Comparative Assessment of Artificial Neural Network, Generalized Regression Neural Network, Least-Square Support Vector Regression, and K-Nearest Neighbor Regression for Monthly Streamflow Forecasting in Linear and Nonlinear Conditions. <i>Water Resources Management</i> , 2018, 32, 243-258.	1.9	89
2269	Uncertainty of modelled flow regime for flow-ecological assessment in Southern Europe. <i>Science of the Total Environment</i> , 2018, 615, 1028-1047.	3.9	35
2270	A study of the application of permeable pavements as a sustainable technique for the mitigation of soil sealing in cities: A case study in the south of Spain. <i>Journal of Environmental Management</i> , 2018, 205, 151-162.	3.8	47
2271	Calibration and validation of SWAT model using stream flow and sediment load for Mojo watershed, Ethiopia. <i>Sustainable Water Resources Management</i> , 2018, 4, 937-949.	1.0	17
2272	Watershed modeling for reducing future non-point source sediment and phosphorus load in the Lake Tana Basin, Ethiopia. <i>Journal of Soils and Sediments</i> , 2018, 18, 309-322.	1.5	20
2273	Comparative Study of Hybrid-Wavelet Artificial Intelligence Models for Monthly Groundwater Depth Forecasting in Extreme Arid Regions, Northwest China. <i>Water Resources Management</i> , 2018, 32, 301-323.	1.9	38
2274	Evaluating carbon sequestration for conservation agriculture and tillage systems in Cambodia using the EPIC model. <i>Agriculture, Ecosystems and Environment</i> , 2018, 251, 37-47.	2.5	24
2275	Assessment of variable source area hydrological models in humid tropical watersheds. <i>International Journal of River Basin Management</i> , 2018, 16, 145-156.	1.5	5
2276	Impact of climate change on yield, irrigation requirements and water productivity of maize cultivated under the moderate continental climate of Bosnia and Herzegovina. <i>Journal of Agricultural Science</i> , 2018, 156, 618-627.	0.6	11
2277	Impact of satellite imagery spatial resolution on land use classification accuracy and modeled water quality. <i>Remote Sensing in Ecology and Conservation</i> , 2018, 4, 137-149.	2.2	72
2278	PATs selection towards sustainability in irrigation networks: Simulated annealing as a water management tool. <i>Renewable Energy</i> , 2018, 116, 234-249.	4.3	35
2279	Comparison of one-dimensional (1-D) column lake models prediction for surface water temperature in eight selected Moroccan lakes. <i>ISH Journal of Hydraulic Engineering</i> , 2018, 24, 317-329.	1.1	5
2280	Revisiting lake sediment budgets: How the calculation of lake lifetime is strongly data and method dependent. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 593-607.	1.2	37
2281	Effect of soil tillage and vegetal cover on soil water infiltration. <i>Soil and Tillage Research</i> , 2018, 175, 130-138.	2.6	127
2282	Analysis of the efficacy and cost-effectiveness of best management practices for controlling sediment yield: A case study of the Joumine watershed, Tunisia. <i>Science of the Total Environment</i> , 2018, 616-617, 1-16.	3.9	46
2283	Assessment of the impact of climate change on flow regime at multiple temporal scales and potential ecological implications in an alpine river. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1849-1866.	1.9	51
2284	Sensitivity of Water-Energy Nexus to dam operation: A Water-Energy Productivity concept. <i>Science of the Total Environment</i> , 2018, 616-617, 918-926.	3.9	23

#	ARTICLE	IF	CITATIONS
2285	A modeling framework for evaluating streambank stabilization practices for reach-scale sediment reduction. <i>Environmental Modelling and Software</i> , 2018, 100, 201-212.	1.9	16
2286	Modeling the hydrological impacts of land use/land cover changes in the Andassa watershed, Blue Nile Basin, Ethiopia. <i>Science of the Total Environment</i> , 2018, 619-620, 1394-1408.	3.9	228
2287	Silver nanoparticle (Ag-NP) retention and release in partially saturated soil: column experiments and modelling. <i>Environmental Science: Nano</i> , 2018, 5, 422-435.	2.2	24
2288	Temperature index based snowmelt runoff modelling for the <i>S</i> atluj <i>R</i> iver basin in the <i>w</i> estern <i>H</i> imalayas. <i>Meteorological Applications</i> , 2018, 25, 302-313.	0.9	9
2289	Assessing the impact of urbanization on flood risk and severity for the Pawtuxet watershed, Rhode Island. <i>Lake and Reservoir Management</i> , 2018, 34, 74-87.	0.4	11
2290	Daily reference crop evapotranspiration with reduced data sets in the humid environments of Azores islands using estimates of actual vapor pressure, solar radiation, and wind speed. <i>Theoretical and Applied Climatology</i> , 2018, 134, 1115-1133.	1.3	21
2291	Land use and climate change impacts on runoff and soil erosion at the hillslope scale in the Brazilian Cerrado. <i>Science of the Total Environment</i> , 2018, 622-623, 140-151.	3.9	125
2292	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.	2.3	57
2293	Boundaries and perspectives from a multi-model study on rice grain quality in Northern Italy. <i>Field Crops Research</i> , 2018, 215, 140-148.	2.3	5
2294	Impact of Climate Change on Flood Frequency of the Triam Reservoir in Vietnam Using RCMS. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	9
2295	Impact of climate change on groundwater recharge and base flow in the sub-catchment of Tekeze basin, Ethiopia. <i>Groundwater for Sustainable Development</i> , 2018, 6, 121-133.	2.3	62
2296	Improving hydrological simulations by incorporating GRACE data for model calibration. <i>Journal of Hydrology</i> , 2018, 557, 291-304.	2.3	61
2297	Urban Runoff in the U.S. Southwest: Importance of Impervious Surfaces for Small-Storm Hydrology. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	23
2298	Comparative Assessment of SWAT Model Performance in two Distinct Catchments under Various DEM Scenarios of Varying Resolution, Sources and Resampling Methods. <i>Water Resources Management</i> , 2018, 32, 805-825.	1.9	61
2299	Performance of AquaCrop model for cotton growth simulation under film-mulched drip irrigation in southern Xinjiang, China. <i>Agricultural Water Management</i> , 2018, 196, 99-113.	2.4	61
2300	Stream temperature response to climate change and water diversion activities. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1397-1413.	1.9	10
2301	Analysing the mechanisms of soil water and vapour transport in the desert vadose zone of the extremely arid region of northern China. <i>Journal of Hydrology</i> , 2018, 558, 592-606.	2.3	36
2302	Assessing hydro-morphological changes in Mediterranean stream using curvilinear grid modeling approach - climate change impacts. <i>Earth Science Informatics</i> , 2018, 11, 205-216.	1.6	10

#	ARTICLE	IF	CITATIONS
2303	Using regional scale flow-ecology modeling to identify catchments where fish assemblages are most vulnerable to changes in water availability. <i>Freshwater Biology</i> , 2018, 63, 928-945.	1.2	21
2304	Analyzing the Effects of Growing Season Length on the Net Ecosystem Production of an Alpine Grassland Using Model-Data Fusion. <i>Ecosystems</i> , 2018, 21, 982-999.	1.6	22
2305	Bias Correction Methods for Hydrologic Impact Studies over India's Western Ghat Basins. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	11
2306	Modeling spray drift and runoff-related inputs of pesticides to receiving water. <i>Environmental Pollution</i> , 2018, 234, 48-58.	3.7	65
2307	Dating lava flows of tropical volcanoes by means of spatial modeling of vegetation recovery. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 840-856.	1.2	26
2308	Analyzing long-term spatial variability of blue and green water footprints in a semi-arid mountainous basin with MIROC-ESM model (case study: Kashafrud River Basin, Iran). <i>Theoretical and Applied Climatology</i> , 2018, 134, 885-899.	1.3	10
2309	Two Model Performance Comparisons with Multisite Observations Based on Uncertainty Methods for Modeling Hydrologic Dynamics. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	0.6	3
2310	Coupled Surface and Groundwater Hydrological Modeling in a Changing Climate. <i>Ground Water</i> , 2018, 56, 618-635.	0.7	35
2311	Estimating hydrologic model uncertainty in the presence of complex residual error structures. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1259-1281.	1.9	17
2312	Assessment of curing temperatures to early predict the 28-day mechanical properties for recycle aggregate mixed concrete production. <i>Journal of Cleaner Production</i> , 2018, 174, 1444-1463.	4.6	9
2313	Evaluating the role of evapotranspiration remote sensing data in improving hydrological modeling predictability. <i>Journal of Hydrology</i> , 2018, 556, 39-49.	2.3	104
2314	High resolution water body mapping for SWAT evaporative modelling in the Upper Oconee watershed of Georgia, USA. <i>Hydrological Processes</i> , 2018, 32, 51-65.	1.1	3
2315	Modeling stream flow and sediment yield using the SWAT model: a case study of Ankara River basin, Turkey. <i>Physical Geography</i> , 2018, 39, 264-289.	0.6	38
2316	Afforestation, Subsequent Forest Fires and Provision of Hydrological Services: A Model-Based Analysis for a Mediterranean Mountainous Catchment. <i>Land Degradation and Development</i> , 2018, 29, 776-788.	1.8	46
2317	Streamflow Hydrology Estimate Using Machine Learning (SHEM). <i>Journal of the American Water Resources Association</i> , 2018, 54, 55-68.	1.0	32
2318	Implications of potential evapotranspiration methods for streamflow estimations under changing climatic conditions. <i>International Journal of Climatology</i> , 2018, 38, 896-914.	1.5	36
2319	Dynamically-downscaled projections of changes in temperature extremes over China. <i>Climate Dynamics</i> , 2018, 50, 1045-1066.	1.7	21
2320	Evaluation of shear stress and unit stream power to determine the sediment transport capacity of loess materials on different slopes. <i>Journal of Soils and Sediments</i> , 2018, 18, 116-127.	1.5	29

#	ARTICLE	IF	CITATIONS
2321	Assessing the Sensitivity of a Model of Runoff Formation in the Ussuri River Basin. <i>Water Resources</i> , 2018, 45, 128-134.	0.3	8
2322	Genetic Programming and Gaussian Process Regression Models for Groundwater Salinity Prediction: Machine Learning for Sustainable Water Resources Management. , 2018, , .		8
2323	Estimating Groundwater Abstractions at the Aquifer Scale Using GRACE Observations. <i>Geosciences (Switzerland)</i> , 2018, 8, 419.	1.0	12
2324	Contributions of climate change and anthropogenic activities to runoff change in the Hongshui River, Southwest China. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 191, 012143.	0.2	5
2325	Different approaches to estimate the sediment yield in a tropical watershed. <i>Revista Brasileira De Recursos Hidricos</i> , 2018, 23, .	0.5	11
2326	Transient thermal regime through the constitutive matrix applied to asynchronous electrical machine using the cell method. <i>Open Physics</i> , 2018, 16, 717-726.	0.8	1
2327	Estimation of sediment production in oil palm expansion areas in the Amazon. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2018, 22, 344-348.	0.4	7
2328	Impact of Hydrological Modellers'™ Decisions and Attitude on the Performance of a Calibrated Conceptual Catchment Model: Results from a "Modelling Contest"™. <i>Hydrology</i> , 2018, 5, 64.	1.3	4
2329	Modeling Landscape Change Effects on Stream Temperature Using the Soil and Water Assessment Tool. <i>Water (Switzerland)</i> , 2018, 10, 1143.	1.2	7
2330	Fingerprinting Suspended Sediment Sources in an Urbanized Watershed. <i>Water (Switzerland)</i> , 2018, 10, 1573.	1.2	12
2331	Development of a Distributed Hydrologic Model for a Region with Fragipan Soils to Study Impacts of Climate on Soil Moisture: A Case Study on the Obion River Watershed in West Tennessee. <i>Geosciences (Switzerland)</i> , 2018, 8, 364.	1.0	2
2332	ORCHIDEE-ROUTING: revising the river routing scheme using a high-resolution hydrological database. <i>Geoscientific Model Development</i> , 2018, 11, 4965-4985.	1.3	16
2333	Streamflow response under different climate change scenarios in data-scarce White Volta basin of West-Africa using a semi-distributed hydrologic model. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 167, 012002.	0.2	1
2334	Tradeoffs in Model Performance and Effort for Long-Term Phosphorus Leaching Based on In Situ Field Data. <i>Vadose Zone Journal</i> , 2018, 17, 170216.	1.3	1
2335	Modelling forest snow processes with a new version of WaSiM. <i>Hydrological Sciences Journal</i> , 2018, 63, 1540-1557.	1.2	19
2336	Drought Propagation Patterns under Naturalized Condition Using Daily Hydrometeorological Data. <i>Advances in Meteorology</i> , 2018, 2018, 1-14.	0.6	11
2337	Validating Rainfall-Runoff Modelling Using Satellite-Based and Reanalysis Precipitation Products in the Sre Pok Catchment, the Mekong River Basin. <i>Geosciences (Switzerland)</i> , 2018, 8, 164.	1.0	15
2338	Radar Data Analyses for a Single Rainfall Event and Their Application for Flow Simulation in an Urban Catchment Using the SWMM Model. <i>Water (Switzerland)</i> , 2018, 10, 1007.	1.2	7

#	ARTICLE	IF	CITATIONS
2339	Hydrological simulation uncertainties in small basins through the SWAT model. <i>Revista Brasileira De Recursos Hidricos</i> , 2018, 23, .	0.5	2
2340	Assessment of SWAT Model Performance in Simulating Daily Streamflow under Rainfall Data Scarcity in Pacific Island Watersheds. <i>Water (Switzerland)</i> , 2018, 10, 1533.	1.2	14
2341	Integrated Modeling Approach for the Development of Climate-Informed, Actionable Information. <i>Water (Switzerland)</i> , 2018, 10, 775.	1.2	18
2342	Hydrological Simulation and Runoff Component Analysis over a Cold Mountainous River Basin in Southwest China. <i>Water (Switzerland)</i> , 2018, 10, 1705.	1.2	11
2343	Accounting for the Spatio-Temporal Variability of Pollutant Processes in Stormwater TSS Modeling Based on Stochastic Approaches. <i>Water (Switzerland)</i> , 2018, 10, 1773.	1.2	8
2344	Intercomparison of a Lumped Model and a Distributed Model for Streamflow Simulation in the Naoli River Watershed, Northeast China. <i>Water (Switzerland)</i> , 2018, 10, 1004.	1.2	6
2345	Assessing reliability of precipitation data over the Mekong River Basin: A comparison of ground-based, satellite, and reanalysis datasets. <i>International Journal of Climatology</i> , 2018, 38, 4314-4334.	1.5	59
2346	Hydrosedimentological modeling with SWAT using multi-site calibration in nested basins with reservoirs. <i>Revista Brasileira De Recursos Hidricos</i> , 2018, 23, .	0.5	4
2347	Projected Changes in Hydrological Extremes in the Yangtze River Basin with an Ensemble of Regional Climate Simulations. <i>Water (Switzerland)</i> , 2018, 10, 1279.	1.2	33
2348	Cumulative Effects of Low Impact Development on Watershed Hydrology in a Mixed Land-Cover System. <i>Water (Switzerland)</i> , 2018, 10, 991.	1.2	28
2349	The Impact of Land Use on Hydrological Characteristics and Erosion Rate of Cilutung Watershed with SWAT Model. <i>E3S Web of Conferences</i> , 2018, 73, 03029.	0.2	4
2350	Multiple Linear Regression Models for Predicting Nonpoint-Source Pollutant Discharge from a Highland Agricultural Region. <i>Water (Switzerland)</i> , 2018, 10, 1156.	1.2	18
2351	Comparison of the Roles of Optimizing Root Distribution and the Water Uptake Function in Simulating Water and Heat Fluxes within a Maize Agroecosystem. <i>Water (Switzerland)</i> , 2018, 10, 1090.	1.2	4
2352	ORCHIDEE-MICT-BIOENERGY: an attempt to represent the production of lignocellulosic crops for bioenergy in a global vegetation model. <i>Geoscientific Model Development</i> , 2018, 11, 2249-2272.	1.3	18
2353	Modeling the Impacts of Conservation Agriculture with a Drip Irrigation System on the Hydrology and Water Management in Sub-Saharan Africa. <i>Sustainability</i> , 2018, 10, 4763.	1.6	21
2354	Water Quality Control Options in Response to Catchment Urbanization: A Scenario Analysis by SWAT. <i>Water (Switzerland)</i> , 2018, 10, 1846.	1.2	4
2355	Sustainability Assessment of the Water Management System for the Boukan Dam, Iran, Using CORDEX-South Asia Climate Projections. <i>Water (Switzerland)</i> , 2018, 10, 1723.	1.2	5
2356	3DMGAR: A Transient Quasi-3D Point-Source Green-Ampt Infiltration and Redistribution Model. <i>Vadose Zone Journal</i> , 2018, 17, 180032.	1.3	4

#	ARTICLE	IF	CITATIONS
2357	Analysis the Operational Performance of Outlet Structures of a Secondary Level Irrigation Canal Using the SIC-Model with the Kifil-Shinafiya Project as a Case Study. IOP Conference Series: Materials Science and Engineering, 0, 433, 012010.	0.3	1
2358	Impacts of Climate Change on Streamflow in the Guijiang River Basin, China. IOP Conference Series: Materials Science and Engineering, 2018, 452, 022041.	0.3	1
2359	Impact of Infiltration Process Modeling on Runoff Simulations: The Bonis River Basin. Proceedings (mdpi), 2018, 2, .	0.2	1
2360	Temporal and Spatial Distributions of Water and Sediment Yield in the Luanhe River Basin, China. Journal of Coastal Research, 2018, 84, 149-162.	0.1	3
2361	A high-resolution streamflow and hydrological metrics dataset for ecological modeling using a regression model. Scientific Data, 2018, 5, 180224.	2.4	20
2362	Hydrologic and water quality responses to biomass production in the Tennessee river basin. GCB Bioenergy, 2018, 10, 877-893.	2.5	13
2363	The role of external and emergent drivers of water use change in Las Vegas. Urban Water Journal, 2018, 15, 888-898.	1.0	11
2364	Microblog Mood Predicts the Box Office Performance. , 2018, , .		1
2365	Comparison of soil sorption parameters of pesticides measured by batch and centrifugation methods using an andosol. Journal of Pesticide Sciences, 2018, 43, 277-282.	0.8	2
2366	Framework for Offline Flood Inundation Forecasts for Two-Dimensional Hydrodynamic Models. Geosciences (Switzerland), 2018, 8, 346.	1.0	42
2367	LAND-USE CHANGE IMPACTS ON THE HYDROLOGY OF THE UPPER GRANDE RIVER BASIN, BRAZIL. Cerne, 2018, 24, 334-343.	0.9	21
2368	Alternative approaches for estimating missing climate data: application to monthly precipitation records in South-Central Chile. Forest Ecosystems, 2018, 5, .	1.3	32
2369	Combining Grey Relational Analysis and a Bayesian Model Averaging Method to Derive Monthly Optimal Operating Rules for a Hydropower Reservoir. Water (Switzerland), 2018, 10, 1099.	1.2	11
2370	Estimation of live bodyweight from linear body measurements and body condition score in the West African Savannah Shorthorn cattle in North-West Benin. Cogent Food and Agriculture, 2018, 4, 1549767.	0.6	18
2371	Runoff Load Estimation Model for Dissolved Organic Carbon that Considers Soil and Hydrologic Processes in Forested Watersheds. Journal of Water and Environment Technology, 2018, 16, 199-210.	0.3	0
2372	Performance Assessment of Five Different Soil Moisture Sensors under Irrigated Field Conditions in Oklahoma. Sensors, 2018, 18, 3786.	2.1	42
2373	SWAT Modeling of Non-Point Source Pollution in Depression-Dominated Basins under Varying Hydroclimatic Conditions. International Journal of Environmental Research and Public Health, 2018, 15, 2492.	1.2	24
2374	A hierarchical Bayesian approach for multi-site optimization of a satellite-based evapotranspiration model. Hydrological Processes, 2018, 32, 3907-3923.	1.1	6

#	ARTICLE	IF	CITATIONS
2375	Understanding Morphodynamic Changes of a Tidal River Confluence through Field Measurements and Numerical Modeling. <i>Water (Switzerland)</i> , 2018, 10, 1424.	1.2	15
2376	Hydrologic Impacts of Ensemble-RCM-Projected Climate Changes in the Athabasca River Basin, Canada. <i>Journal of Hydrometeorology</i> , 2018, 19, 1953-1971.	0.7	18
2377	The effect of input data resolution and complexity on the uncertainty of hydrological predictions in a humid vegetated watershed. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5947-5965.	1.9	17
2378	Urbanization and Industrial Transformation for Improved Water Management. <i>Ecohydrology</i> , 2018, , 1-29.	0.2	0
2379	Hydrological Performance and Runoff Water Quality of Experimental Green Roofs. <i>Water (Switzerland)</i> , 2018, 10, 1185.	1.2	26
2380	Winter Wheat Evapotranspiration Estimation under Drought Stress during Several Growth Stages in Huaibei Plain, China. <i>Water (Switzerland)</i> , 2018, 10, 1208.	1.2	13
2381	Enumerating the Effects of Climate Change on Water Resources Using GCM Scenarios at the Xinâ€™anjiang Watershed, China. <i>Water (Switzerland)</i> , 2018, 10, 1296.	1.2	14
2382	The Value of Hydrologic Information in Reservoir Outflow Decision-Making. <i>Water (Switzerland)</i> , 2018, 10, 1372.	1.2	5
2383	Submarine and intertidal groundwater discharge through a complex multi-level karst conduit aquifer. <i>Hydrogeology Journal</i> , 2018, 26, 2629-2647.	0.9	17
2384	Inter-Comparison of Rain-Gauge, Radar, and Satellite (IMERG GPM) Precipitation Estimates Performance for Rainfall-Runoff Modeling in a Mountainous Catchment in Poland. <i>Water (Switzerland)</i> , 2018, 10, 1665.	1.2	63
2385	The Influence of Climate and Land-Cover Scenarios on Dam Management Strategies in a High Water Pressure Catchment in Northeast Spain. <i>Water (Switzerland)</i> , 2018, 10, 1668.	1.2	13
2386	Snow Hydrology in the Upper Yellow River Basin Under Climate Change: A Land Surface Modeling Perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,676.	1.2	16
2387	Effect of Environmental Measurement Uncertainty on Prediction of Evapotranspiration. <i>Atmosphere</i> , 2018, 9, 400.	1.0	13
2388	Multi-Model Approaches for Improving Seasonal Ensemble Streamflow Prediction Scheme with Various Statistical Post-Processing Techniques in the Canadian Prairie Region. <i>Water (Switzerland)</i> , 2018, 10, 1604.	1.2	29
2389	Assessing the Importance of Potholes in the Canadian Prairie Region under Future Climate Change Scenarios. <i>Water (Switzerland)</i> , 2018, 10, 1657.	1.2	19
2390	Assessing floods and droughts in the Mâ€™krou River basin (West Africa): a combined household survey and climatic trends analysis approach. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1279-1296.	1.5	13
2391	Use of soft data for multicriteria calibration and validation of Agricultural Policy Environmental eXtender: Impact on model simulations. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 623-636.	0.8	8
2392	Contrasting streamflow regimes induced by melting glaciers across the Tien Shan â€™ Pamir â€™ North Karakoram. <i>Scientific Reports</i> , 2018, 8, 16470.	1.6	54

#	ARTICLE	IF	CITATIONS
2393	Distribution Grids Fault Location employing ST based Optimized Machine Learning Approach. <i>Energies</i> , 2018, 11, 2328.	1.6	46
2394	Geomorphology-based unit hydrograph models for flood risk management: case study in Brazilian watersheds with contrasting physiographic characteristics. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1873-1890.	0.3	5
2395	Challenges and Opportunities With On-Farm Research: Total and Soluble Reactive Stream Phosphorus Before and After Implementation of a Cattle-Exclusion, Riparian Buffer. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	10
2396	A Geospatial Assessment of Small-Scale Hydropower Potential in Sub-Saharan Africa. <i>Energies</i> , 2018, 11, 3100.	1.6	44
2397	Long-Term Macro-Scale Assessment of Wave Power of Black Sea by an Optimized Numerical Model. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2018, 42, 391-414.	1.0	2
2398	A watershed-scale model for depression wetland-rich landscapes. <i>Journal of Hydrology X</i> , 2018, 1, 100002.	0.8	31
2399	Application of adaptive grey method for rainfall forecasting in a watershed. <i>ISH Journal of Hydraulic Engineering</i> , 2018, , 1-7.	1.1	1
2400	Assessment and Correction of the PERSIANN-CDR Product in the Yarlung Zangbo River Basin, China. <i>Remote Sensing</i> , 2018, 10, 2031.	1.8	15
2401	Numerical modeling of water and heat transport in porous building material. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
2402	Does the Complexity of Evapotranspiration and Hydrological Models Enhance Robustness?. <i>Sustainability</i> , 2018, 10, 2837.	1.6	17
2403	A Method for Determining the Discharge of Closed-End Furrow Irrigation Based on the Representative Value of Manning's Roughness and Field Mean Infiltration Parameters Estimated Using the PTF at Regional Scale. <i>Water (Switzerland)</i> , 2018, 10, 1825.	1.2	11
2404	Applicability Assessment and Uncertainty Analysis of Multi-Precipitation Datasets for the Simulation of Hydrologic Models. <i>Water (Switzerland)</i> , 2018, 10, 1611.	1.2	22
2405	The SPAtial Efficiency metric (SPAEF): multiple-component evaluation of spatial patterns for optimization of hydrological models. <i>Geoscientific Model Development</i> , 2018, 11, 1873-1886.	1.3	104
2406	Use of WRF-Hydro over the Northeast of the US to Estimate Water Budget Tendencies in Small Watersheds. <i>Water (Switzerland)</i> , 2018, 10, 1709.	1.2	12
2407	Performance evaluation of conceptual rainfall-runoff models GR4J and AWBM. <i>ISH Journal of Hydraulic Engineering</i> , 2021, 27, 365-374.	1.1	8
2408	Modeling Phosphorus Losses through Surface Runoff and Subsurface Drainage Using ICECREAM. <i>Journal of Environmental Quality</i> , 2018, 47, 203-211.	1.0	7
2409	Soil Erosion Modelling and Risk Assessment in Data Scarce Rift Valley Lake Regions, Ethiopia. <i>Water (Switzerland)</i> , 2018, 10, 1684.	1.2	49
2410	Analysis of combined and isolated effects of land-use and land-cover changes and climate change on the upper Blue Nile River basin's streamflow. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 6187-6207.	1.9	66

#	ARTICLE	IF	CITATIONS
2411	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. <i>Environmental Sustainability</i> , 2018, 1, 393-409.	1.4	6
2412	Bayesian chemistry-assisted hydrograph separation (BACH) and nutrient load partitioning from monthly stream phosphorus and nitrogen concentrations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 3475-3501.	1.9	12
2413	Agricultural Water Productivity-Based Hydro-Economic Modeling for Optimal Crop Pattern and Water Resources Planning in the Zarrine River Basin, Iran, in the Wake of Climate Change. <i>Sustainability</i> , 2018, 10, 3953.	1.6	25
2414	Behaviour and significance of reservoir evaporation and seepage losses – an experience of four reservoirs in Damodar River Valley, India. <i>ISH Journal of Hydraulic Engineering</i> , 2018, , 1-18.	1.1	1
2415	Estimation of Peak Flow in Ungauged Catchments Using the Relationship between Runoff Coefficient and Curve Number. <i>Water (Switzerland)</i> , 2018, 10, 1669.	1.2	19
2416	Inclusion of Modified Snow Melting and Flood Processes in the SWAT Model. <i>Water (Switzerland)</i> , 2018, 10, 1715.	1.2	29
2417	Can the Volume Ratio of Coarse to Fine Particles Explain the Hydraulic Properties of Sandy Soil?. <i>Soil Science Society of America Journal</i> , 2018, 82, 1093-1100.	1.2	7
2418	Effects of Subsurface Drainage Systems on Water and Nitrogen Footprints Simulated with RZWQM2. <i>Transactions of the ASABE</i> , 2018, 61, 245-261.	1.1	14
2419	Evaluation and Hydrologic Validation of Three Satellite-Based Precipitation Products in the Upper Catchment of the Red River Basin, China. <i>Remote Sensing</i> , 2018, 10, 1881.	1.8	21
2420	Monthly Rainfall Forecasting Using One-Dimensional Deep Convolutional Neural Network. <i>IEEE Access</i> , 2018, 6, 69053-69063.	2.6	84
2421	An Accelerated Tool for Flood Modelling Based on Iber. <i>Water (Switzerland)</i> , 2018, 10, 1459.	1.2	64
2422	Entropia na determinaÃ§Ã£o da concentraÃ§Ã£o de sedimentos em suspensÃ£o em reservatÃ³rio. <i>Engenharia Sanitaria E Ambiental</i> , 2018, 23, 47-54.	0.1	0
2423	Continuous Modeling of the Mkurumudzi River Catchment in Kenya Using the HEC-HMS Conceptual Model: Calibration, Validation, Model Performance Evaluation and Sensitivity Analysis. <i>Hydrology</i> , 2018, 5, 44.	1.3	45
2424	Comparison and Bias Correction of TMPA Precipitation Products over the Lower Part of Redâ€™Thai Binh River Basin of Vietnam. <i>Remote Sensing</i> , 2018, 10, 1582.	1.8	25
2425	Modeling Approach for Water-Quality Management to Control Pollution Concentration: A Case Study of Ravi River, Punjab, Pakistan. <i>Water (Switzerland)</i> , 2018, 10, 1068.	1.2	23
2426	Modeling freshwater quality scenarios with ecosystem-based adaptation in the headwaters of the Cantareira system, Brazil. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4699-4723.	1.9	21
2427	Monitoramento e modelagem da qualidade de Ã¡gua em uma bacia hidrogrÃ¡fica semi-Ã¡rida. <i>Engenharia Sanitaria E Ambiental</i> , 2018, 23, 125-135.	0.1	20
2428	Development and Integration of Sub-Daily Flood Modelling Capability within the SWAT Model and a Comparison with XAJ Model. <i>Water (Switzerland)</i> , 2018, 10, 1263.	1.2	20

#	ARTICLE	IF	CITATIONS
2429	Assessing the hydrologic response to wildfires in mountainous regions. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2527-2550.	1.9	29
2430	Development and Application of a Large-scale, Physically Based, Distributed Suspended Sediment Transport Model on the Fraser River Basin, British Columbia, Canada. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2481-2508.	1.0	8
2431	Analysis of the Performance of Base Flow Separation Methods Using Chemistry and Statistics in Sudano-Sahelian Watershed, Burkina Faso. <i>Hydrology Current Research</i> , 2018, 09, .	0.4	5
2432	Hydrological Modeling of Climate Change Impacts in a Tropical River Basin: A Case Study of the Cauto River, Cuba. <i>Water (Switzerland)</i> , 2018, 10, 1135.	1.2	18
2433	Including effects of watershed heterogeneity in the curve number method using variable initial abstraction. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4725-4743.	1.9	20
2434	APEXSENSUN: An Open-source Package in R for Sensitivity Analysis and Model Performance Evaluation of APEX. <i>Journal of the American Water Resources Association</i> , 2018, 54, 1270-1284.	1.0	9
2435	Synthetic Pollutograph by Prediction Indices: An Evaluation in Several Urban Sub-Catchments. <i>Sustainability</i> , 2018, 10, 2634.	1.6	5
2436	Applicability of TRMM Precipitation for Hydrologic Modeling in a Basin in the Northeast Brazilian Agreste. <i>Revista Brasileira De Meteorologia</i> , 2018, 33, 57-64.	0.2	4
2437	Modeling the Runoff Reduction Effect of Low Impact Development Installations in an Industrial Area, South Korea. <i>Water (Switzerland)</i> , 2018, 10, 967.	1.2	12
2438	Hydrological characterization and prediction of flood levels of acidic pit lakes in the Tharsis mines, Iberian Pyrite Belt. <i>Journal of Hydrology</i> , 2018, 566, 807-817.	2.3	14
2439	Multi-objective autocalibration of SWAT model for improved low flow performance for a small snowfed catchment. <i>Hydrological Sciences Journal</i> , 2018, 63, 1482-1501.	1.2	21
2440	New Constitutive Matrix in the 3D Cell Method to Obtain a Lorentz Electric Field in a Magnetic Brake. <i>Sensors</i> , 2018, 18, 3185.	2.1	2
2441	Quantifying hourly suspended sediment load using data mining models: Case study of a glacierized Andean catchment in Chile. <i>Journal of Hydrology</i> , 2018, 567, 165-179.	2.3	133
2442	Improving In-Stream Nutrient Routines in Water Quality Models Using Stable Isotope Tracers: A Review and Synthesis. <i>Transactions of the ASABE</i> , 2018, 61, 139-157.	1.1	9
2443	An Innovative Approach to Minimizing Uncertainty in Sediment Load Boundary Conditions for Modelling Sedimentation in Reservoirs. <i>Water (Switzerland)</i> , 2018, 10, 1411.	1.2	7
2444	Measuring and modelling evapotranspiration in a South African grassland: Comparison of two improved Penman-Monteith formulations. <i>Water S A</i> , 2018, 44, .	0.2	1
2445	Modeling Hydrological Appraisal of Potential Land Cover Change and Vegetation Dynamics under Environmental Changes in a Forest Basin. <i>Forests</i> , 2018, 9, 451.	0.9	1
2446	Incremental model breakdown to assess the multi-hypotheses problem. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4565-4581.	1.9	4

#	ARTICLE	IF	CITATIONS
2447	The potential of global reanalysis datasets in identifying flood events in Southern Africa. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4667-4683.	1.9	14
2448	Assessment of the environmental health of an ecologically sensitive, semi-enclosed, basin - A water quality modelling approach. <i>Marine Pollution Bulletin</i> , 2018, 137, 418-429.	2.3	3
2449	Efficient flow calibration method for accurate estimation of baseflow using a watershed scale hydrological model (SWAT). <i>Ecological Engineering</i> , 2018, 125, 50-67.	1.6	16
2450	A Database of Natural Monthly Streamflow Estimates from 1950 to 2015 for the Conterminous United States. <i>Journal of the American Water Resources Association</i> , 2018, 54, 1258-1269.	1.0	24
2451	Evaluation of Five Satellite-Based Precipitation Products in Two Gauge-Scarce Basins on the Tibetan Plateau. <i>Remote Sensing</i> , 2018, 10, 1316.	1.8	73
2452	An Integrated Hydrological Model for the Restoration of Ecosystems in Arid Regions: Application in Zhangye Basin of the Middle Heihe River Basin, Northwest China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,564.	1.2	2
2453	Improvement of the SWAT model for event-based flood simulation on a sub-daily timescale. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5001-5019.	1.9	50
2454	Exploring Cooperative Transboundary River Management Strategies for the Eastern Nile Basin. <i>Water Resources Research</i> , 2018, 54, 9224-9254.	1.7	56
2455	Coupling the terrestrial hydrology model with biogeochemistry to the integrated LAND surface model: Amazon Basin applications. <i>Hydrological Sciences Journal</i> , 2018, 63, 1954-1966.	1.2	5
2456	Modeling rhizosphere carbon and nitrogen cycling in <i>Eucalyptus</i> plantation soil. <i>Biogeosciences</i> , 2018, 15, 4943-4954.	1.3	8
2457	Assessing the Impact of Site-Specific BMPs Using a Spatially Explicit, Field-Scale SWAT Model with Edge-of-Field and Tile Hydrology and Water-Quality Data in the Eagle Creek Watershed, Ohio. <i>Water (Switzerland)</i> , 2018, 10, 1299.	1.2	22
2458	Assessment of Leachate Production from a Municipal Solid-Waste Landfill through Water-Balance Modeling. <i>Geosciences (Switzerland)</i> , 2018, 8, 372.	1.0	15
2459	Projection of future streamflow of the Hunza River Basin, Karakoram Range (Pakistan) using HBV hydrological model. <i>Journal of Mountain Science</i> , 2018, 15, 2218-2235.	0.8	20
2460	Hydrodynamic and water quality modeling of a large floodplain lake (Poyang Lake) in China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35084-35098.	2.7	22
2461	Quantifying the impacts of small dam construction on hydrological alterations in the Jiulong River basin of Southeast China. <i>Journal of Hydrology</i> , 2018, 567, 382-392.	2.3	62
2462	Assessment of plastic waste materials degradation through near infrared spectroscopy. <i>Waste Management</i> , 2018, 82, 71-81.	3.7	34
2463	Using Geospatial Analysis and Hydrologic Modeling to Estimate Climate Change Impacts on Nitrogen Export: Case Study for a Forest and Pasture Dominated Watershed in North Carolina. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 280.	1.4	3
2464	Assessing Impacts of Climate Variability and Reforestation Activities on Water Resources in the Headwaters of the Segura River Basin (SE Spain). <i>Sustainability</i> , 2018, 10, 3277.	1.6	18

#	ARTICLE	IF	CITATIONS
2465	Global re-analysis datasets to improve hydrological assessment and snow water equivalent estimation in a sub-Arctic watershed. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4685-4697.	1.9	13
2466	Evaluation of Four Parameterization Strategies for the APEX Model. <i>Transactions of the ASABE</i> , 2018, 61, 1603-1617.	1.1	4
2467	Model-Based Evaluation of Land Management Strategies with Regard to Multiple Ecosystem Services. <i>Sustainability</i> , 2018, 10, 3844.	1.6	15
2468	Evaluating the Effects of Watershed Size on SWAT Calibration. <i>Water (Switzerland)</i> , 2018, 10, 898.	1.2	20
2469	Improving the use of ground-based radar rainfall data for monitoring and predicting floods in the Iguaçu river basin. <i>Journal of Hydrology</i> , 2018, 567, 626-636.	2.3	18
2470	Spatial optimization of watershed best management practices based on slope position units. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 504-517.	0.8	16
2471	Comparison of MODIS and SWAT evapotranspiration over a complex terrain at different spatial scales. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2775-2794.	1.9	42
2472	Evaluation of the effectiveness of conservation practices under implementation site uncertainty. <i>Journal of Environmental Management</i> , 2018, 228, 197-204.	3.8	5
2473	Reducing High Flows and Sediment Loading through Increased Water Storage in an Agricultural Watershed of the Upper Midwest, USA. <i>Water (Switzerland)</i> , 2018, 10, 1053.	1.2	12
2474	Evaluation of the Simplified Dynamic Wave, Diffusion Wave and the Full Dynamic Wave Flood Routing Models. <i>Earth Science Research</i> , 2018, 7, 14.	0.3	9
2475	Uncertainty and its propagation estimation for an integrated water system model: An experiment from water quantity to quality simulations. <i>Journal of Hydrology</i> , 2018, 565, 623-635.	2.3	19
2476	Modeling and simulating of reservoir operation using the artificial neural network, support vector regression, deep learning algorithm. <i>Journal of Hydrology</i> , 2018, 565, 720-736.	2.3	238
2477	Integrated modeling framework for evaluating and predicting the water resources carrying capacity in a continental river basin of Northwest China. <i>Journal of Cleaner Production</i> , 2018, 204, 366-379.	4.6	78
2478	Field simulation of urban surfaces runoff and estimation of runoff with experimental curve numbers. <i>Urban Water Journal</i> , 2018, 15, 418-426.	1.0	9
2479	The hazards of split-sample validation in hydrological model calibration. <i>Journal of Hydrology</i> , 2018, 566, 346-362.	2.3	107
2480	Understanding the 2011 Upper Missouri River Basin floods in the context of a changing climate. <i>Journal of Hydrology: Regional Studies</i> , 2018, 19, 110-123.	1.0	4
2481	Improved APEX Model Simulation of Buffer Water Quality Benefits at Field Scale. <i>Transactions of the ASABE</i> , 2018, 61, 603-616.	1.1	12
2482	Risk management options in maize cropping systems in semi-arid areas of Southern Africa. <i>Field Crops Research</i> , 2018, 228, 110-121.	2.3	7

#	ARTICLE	IF	CITATIONS
2483	Effects of climate change on water resources in the upper Blue Nile Basin of Ethiopia. <i>Heliyon</i> , 2018, 4, e00771.	1.4	66
2484	Evaluation of a sheep rumen model with fresh forages of diverse chemical composition ¹ . <i>Journal of Animal Science</i> , 2018, 96, 5287-5299.	0.2	1
2485	Inside or Outside: Quantifying Extrapolation Across River Networks. <i>Water Resources Research</i> , 2018, 54, 6983-7003.	1.7	10
2486	Hybrid forward-selection method-based water-quality estimation via combining Landsat TM, ETM+, and OLI/TIRS images and ancillary environmental data. <i>PLoS ONE</i> , 2018, 13, e0201255.	1.1	17
2487	Review of studies on hydrological modelling in Malaysia. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 1577-1605.	1.9	39
2488	Using a Hierarchical Approach to Calibrate SWAT and Predict the Semi-Arid Hydrologic Regime of Northeastern Brazil. <i>Water (Switzerland)</i> , 2018, 10, 1137.	1.2	19
2489	Inverse Modeling of Soil Hydraulic Parameters Based on a Hybrid of Vector-Evaluated Genetic Algorithm and Particle Swarm Optimization. <i>Water (Switzerland)</i> , 2018, 10, 84.	1.2	20
2490	High-spatial-resolution streamflow estimation at ungauged river sites or gauged sites with missing data using the National Hydrography Dataset (NHD) and U.S. Geological Survey (USGS) streamflow data. <i>Journal of Hydrology</i> , 2018, 565, 819-834.	2.3	2
2491	Evaluation of Freshwater Flow From Rivers to the Sea in CMIP5 Simulations: Insights From the Congo River Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,278.	1.2	9
2492	Estimating Legacy Soil Phosphorus Impacts on Phosphorus Loss in the Chesapeake Bay Watershed. <i>Journal of Environmental Quality</i> , 2018, 47, 480-486.	1.0	24
2493	Modelling biocide and herbicide concentrations in catchments of the Rhine basin. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4229-4249.	1.9	12
2494	Drought modeling: a comparative study between time series and neuro-fuzzy approaches. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	26
2495	Hillslope-storage Boussinesq model for simulating subsurface water storage dynamics in scantily-gauged catchments. <i>Advances in Water Resources</i> , 2018, 121, 219-234.	1.7	16
2496	Vegetation Water Use Based on a Thermal and Optical Remote Sensing Model in the Mediterranean Region of Doña Ana. <i>Remote Sensing</i> , 2018, 10, 1105.	1.8	15
2497	A Flexible Framework HydroInformatic Modeling System—HIMS. <i>Water (Switzerland)</i> , 2018, 10, 962.	1.2	7
2498	Quantitative analysis of riverbank groundwater flow for the Qinhuai River, China, and its influence factors. <i>Hydrological Processes</i> , 2018, 32, 2734-2747.	1.1	9
2499	Impact of aerosols on reservoir inflow: A case study for Big Creek Hydroelectric System in California. <i>Hydrological Processes</i> , 2018, 32, 3365-3390.	1.1	1
2500	A novel integrated framework to evaluate greenhouse energy demand and crop yield production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 487-501.	8.2	52

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2501	Nitrogen Component in Nonpoint-Source Pollution Models. <i>Agronomy</i> , 0, , 27-64.	0.2	2
2502	ESTIMATION OF HYDROLOGICAL CHANGES IN A TROPICAL WATERSHED USING MULTI-TEMPORAL LAND-USE AND DYNAMIC MODELLING. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 80, .	0.3	2
2503	Reusing Pruning Residues for Thermal Energy Production: A Mobile App to Match Biomass Availability with the Heating Energy Balance of Agro-Industrial Buildings. <i>Sustainability</i> , 2018, 10, 4218.	1.6	4
2504	IDENTIFYING THE POTENTIAL LOCATION OF HYDROPOWER SITES AND ESTIMATING THE TOTAL ENERGY IN BAGMATI RIVER BASIN. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2018, 74, 1_315-1_321.	0.1	0
2505	Predicting the effectiveness of different mulching techniques in reducing post-fire runoff and erosion at plot scale with the RUSLE, MMF and PESERA models. <i>Environmental Research</i> , 2018, 165, 365-378.	3.7	64
2506	Improved vegetation parameterization for hydrological model and assessment of land cover change impacts on flow regime of the Upper Bhima basin, India. <i>Acta Geophysica</i> , 2018, 66, 697-715.	1.0	8
2507	Simulation of Energy Sorghum under Limited Irrigation Levels Using the EPIC Model. <i>Transactions of the ASABE</i> , 2018, 61, 121-131.	1.1	6
2508	Assessing the suitability of the Soil Vulnerability Index (SVI) on identifying croplands vulnerable to nitrogen loss using the SWAT model. <i>Catena</i> , 2018, 167, 1-12.	2.2	18
2509	An Improved Water Budget for the El Yunque National Forest, Puerto Rico, as Determined by the Water Supply Stress Index Model. <i>Forest Science</i> , 2018, 64, 268-279.	0.5	8
2510	A novel sound-based belt condition monitoring method for robotic grinding using optimally pruned extreme learning machine. <i>Journal of Materials Processing Technology</i> , 2018, 260, 9-19.	3.1	55
2511	Land use regression models to assess air pollution exposure in Mexico City using finer spatial and temporal input parameters. <i>Science of the Total Environment</i> , 2018, 639, 40-48.	3.9	74
2512	New methodology of evaluation of best management practices performances for an agricultural watershed according to the climate change scenarios: A hybrid use of deterministic and decision support models. <i>Ecological Engineering</i> , 2018, 119, 73-83.	1.6	38
2513	Water quality assessment in the Cherry Creek watershed: Patterns of nutrient runoff in an agricultural watershed. <i>Journal of Soils and Water Conservation</i> , 2018, 73, 229-246.	0.8	1
2514	Evaluation and spatial downscaling of CRU TS precipitation data in the Philippines. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 891-898.	1.9	16
2515	Soybean crop-water production functions in a humid region across years and soils determined with APEX model. <i>Agricultural Water Management</i> , 2018, 204, 180-191.	2.4	21
2516	An integrated modeling approach for estimating hydrologic responses to future urbanization and climate changes in a mixed-use midwestern watershed. <i>Journal of Environmental Management</i> , 2018, 220, 149-162.	3.8	37
2517	Seasonâ€based rainfallâ€runoff modelling using the probabilityâ€distributed model (PDM) for large basins in southeastern Brazil. <i>Hydrological Processes</i> , 2018, 32, 2217-2230.	1.1	13
2518	Impacts of climate change on stream flow and water quality in a drinking water source area, Northern China. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	28

#	ARTICLE	IF	CITATIONS
2519	Evaluating evapotranspiration estimation methods in APEX model for dryland cropping systems in a semi-arid region. <i>Agricultural Water Management</i> , 2018, 206, 217-228.	2.4	21
2520	Sensitivity of Streamflow Response in the Snow-Dominated Sierra Nevada Watershed Using Projected CMIP5 Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 05018015.	0.8	6
2521	GLORIFY: A new forecasting system for rice grain quality in Northern Italy. <i>European Journal of Agronomy</i> , 2018, 97, 70-80.	1.9	8
2522	Groundwater recharge indicator as tool for decision makers to increase socio-hydrological resilience to seasonal drought. <i>Journal of Hydrology</i> , 2018, 563, 1119-1134.	2.3	40
2523	Identification of watershed priority management areas under water quality constraints: A simulation-optimization approach with ideal load reduction. <i>Journal of Hydrology</i> , 2018, 562, 577-588.	2.3	46
2524	The water-energy nexus at water supply and its implications on the integrated water and energy management. <i>Science of the Total Environment</i> , 2018, 636, 1257-1267.	3.9	51
2525	Developing generalized parameters for post-fire erosion risk assessment using the revised Morgan-Morgan-Finney model: A test for north-central Portuguese pine stands. <i>Catena</i> , 2018, 165, 358-368.	2.2	12
2526	Validation of Jason-3 tracking modes over French rivers. <i>Remote Sensing of Environment</i> , 2018, 209, 77-89.	4.6	42
2527	Water security assessment of current and future scenarios through an integrated modeling framework in the Neshanic River Watershed. <i>Journal of Hydrology</i> , 2018, 563, 1025-1041.	2.3	35
2528	Calibrating a hydrological model in a regional river of the Qinghai-Tibet plateau using river water width determined from high spatial resolution satellite images. <i>Remote Sensing of Environment</i> , 2018, 214, 100-114.	4.6	33
2529	Future irrigation expansion outweigh groundwater recharge gains from climate change in semi-arid India. <i>Science of the Total Environment</i> , 2018, 635, 725-740.	3.9	27
2530	Are we using the right fuel to drive hydrological models? A climate impact study in the Upper Blue Nile. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2163-2185.	1.9	30
2531	Snowmobile impacts on snowpack physical and mechanical properties. <i>Cryosphere</i> , 2018, 12, 1121-1135.	1.5	4
2532	Optimum soil water content sensors placement for surface drip irrigation scheduling in layered soils. <i>Computers and Electronics in Agriculture</i> , 2018, 152, 1-8.	3.7	37
2533	Temporal dynamics of subsurface soil water content estimated from surface measurement using wavelet transform. <i>Journal of Hydrology</i> , 2018, 563, 834-850.	2.3	6
2534	Simulation and forecasting of streamflows using machine learning models coupled with base flow separation. <i>Journal of Hydrology</i> , 2018, 564, 266-282.	2.3	177
2535	Modeling phosphorus losses from soils amended with cattle manures and chemical fertilizers. <i>Science of the Total Environment</i> , 2018, 639, 580-587.	3.9	23
2536	Impact of climate change on hydropower generation in Rio Jubones Basin, Ecuador. <i>Water Science and Engineering</i> , 2018, 11, 157-166.	1.4	43

#	ARTICLE	IF	CITATIONS
2537	Rationalizing Systems Analysis for the Evaluation of Adaptation Strategies in Complex Human-Water Systems. <i>Earth's Future</i> , 2018, 6, 1181-1206.	2.4	31
2538	Exploring the influence of citizen involvement on the assimilation of crowdsourced observations: a modelling study based on the 2013 flood event in the Bacchiglione catchment (Italy). <i>Hydrology and Earth System Sciences</i> , 2018, 22, 391-416.	1.9	28
2539	Minimum forest cover required for sustainable water flow regulation of a watershed: a case study in Jambi Province, Indonesia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 581-594.	1.9	43
2540	Comparative analyses of hydrological responses of two adjacent watersheds to climate variability and change using the SWAT model. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 689-708.	1.9	37
2541	A Physically Based Daily Simulation of the Glacier-Dominated Hydrology of the Copper River Basin, Alaska. <i>Water Resources Research</i> , 2018, 54, 4983-5000.	1.7	5
2542	The river absorption capacity determination as a tool to evaluate state of surface water. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1033-1050.	1.9	15
2543	Parameter estimation of SWAT and quantification of consequent confidence bands of model simulations. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	14
2544	Valuing scarce observation of rainfall variability with flexible semi-distributed hydrological modelling – Mountainous Mediterranean context. <i>Science of the Total Environment</i> , 2018, 643, 346-356.	3.9	18
2545	Simulation and Assimilation of Passive Microwave Data Using a Snowpack Model Coupled to a Calibrated Radiative Transfer Model Over Northeastern Canada. <i>Water Resources Research</i> , 2018, 54, 4823-4848.	1.7	20
2546	Assessing temporal variations of Ammonia Nitrogen concentrations and loads in the Huaihe River Basin in relation to policies on pollution source control. <i>Science of the Total Environment</i> , 2018, 642, 1386-1395.	3.9	40
2547	Distribution of snow depth variability. <i>Frontiers of Earth Science</i> , 2018, 12, 683-692.	0.9	13
2548	Modelling soil erosion in a Mediterranean watershed: Comparison between SWAT and AnnAGNPS models. <i>Environmental Research</i> , 2018, 166, 363-376.	3.7	77
2549	Optimization of irrigation scheduling for spring wheat based on simulation-optimization model under uncertainty. <i>Agricultural Water Management</i> , 2018, 208, 245-260.	2.4	47
2550	Modelling of river faecal indicator bacteria dynamics as a basis for faecal contamination reduction. <i>Journal of Hydrology</i> , 2018, 563, 1000-1008.	2.3	31
2551	Combined use of volume-area and volume-length scaling relationships in glacio-hydrological simulation. <i>Hydrology Research</i> , 2018, 49, 1753-1772.	1.1	5
2552	Comparison of performance of tile drainage routines in SWAT 2009 and 2012 in an extensively tile-drained watershed in the Midwest. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 89-110.	1.9	38
2553	Simultaneous calibration of evapotranspiration and crop yield in agronomic system modeling using the APEX model. <i>Agricultural Water Management</i> , 2018, 208, 299-306.	2.4	14
2554	Integrated assessment of the climate and landuse change impact on hydrology and water quality in the Songkhram River Basin, Thailand. <i>Science of the Total Environment</i> , 2018, 643, 1610-1622.	3.9	149

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2555	Riverine dissolved organic carbon in Rukarara River Watershed, Rwanda. <i>Science of the Total Environment</i> , 2018, 643, 793-806.	3.9	7
2556	A Century of Legacy Phosphorus Dynamics in a Large Drainage Basin. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1107-1122.	1.9	67
2557	Impacts of land-use changes on watershed discharge and water quality in a large intensive agricultural area in Thailand. <i>Hydrological Sciences Journal</i> , 2018, 63, 1386-1407.	1.2	43
2558	HydroSedFoam: A new parallelized two-dimensional hydrodynamic, sediment transport, and bed morphology model. <i>Computers and Geosciences</i> , 2018, 120, 32-39.	2.0	4
2559	Pipeline failure prediction in water distribution networks using weather conditions as explanatory factors. <i>Journal of Hydroinformatics</i> , 2018, 20, 1191-1200.	1.1	20
2560	Simplified SMA-inspired 1-parameter SCS-CN model for runoff estimation. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	10
2561	Review and Development of ASABE Engineering Practice 621: "Guidelines for Calibrating, Validating, and Evaluating Hydrologic and Water Quality Models". <i>Transactions of the ASABE</i> , 2018, 61, 1393-1401.	1.1	20
2562	Historical and Operational Monitoring of Surface Sediments in the Lower Mekong Basin Using Landsat and Google Earth Engine Cloud Computing. <i>Remote Sensing</i> , 2018, 10, 909.	1.8	49
2563	CALIBRATION AND VALIDATION OF THE SWAT HYDROLOGICAL MODEL FOR THE MUCURI RIVER BASIN. <i>Engenharia Agricola</i> , 2018, 38, 55-63.	0.2	33
2564	EMD-Based Predictive Deep Belief Network for Time Series Prediction: An Application to Drought Forecasting. <i>Hydrology</i> , 2018, 5, 18.	1.3	47
2565	Understanding coastal wetland hydrology with a new regional-scale, process-based hydrological model. <i>Hydrological Processes</i> , 2018, 32, 3158-3173.	1.1	38
2566	Modelling the dynamics of evapotranspiration using Variable Infiltration Capacity model and regionally calibrated Hargreaves approach. <i>Irrigation Science</i> , 2018, 36, 289-300.	1.3	35
2567	Development of a system for automated setup of a physically-based, spatially-distributed hydrological model for catchments in Great Britain. <i>Environmental Modelling and Software</i> , 2018, 108, 102-110.	1.9	24
2568	Downscaling GRACE Remote Sensing Datasets to High-Resolution Groundwater Storage Change Maps of California's Central Valley. <i>Remote Sensing</i> , 2018, 10, 143.	1.8	93
2569	Performance evaluation of satellite-based approaches for the estimation of daily air temperature and reference evapotranspiration. <i>Hydrological Sciences Journal</i> , 2018, 63, 1347-1367.	1.2	6
2570	Impact of conservation tillage on nitrogen and phosphorus runoff losses in a potato crop system in Fuquene watershed, Colombia. <i>Agricultural Water Management</i> , 2018, 209, 62-72.	2.4	40
2571	Assessment of hydrologic vulnerability to urbanization and climate change in a rapidly changing watershed in the Southeast U.S.. <i>Science of the Total Environment</i> , 2018, 645, 806-816.	3.9	35
2572	Multi-Objective Validation of SWAT for Sparsely-Gauged West African River Basins: A Remote Sensing Approach. <i>Water (Switzerland)</i> , 2018, 10, 451.	1.2	30

#	ARTICLE	IF	CITATIONS
2573	Climate Change Impact on the Hydrology of Tekeze Basin, Ethiopia: Projection of Rainfall-Runoff for Future Water Resources Planning. <i>Water Conservation Science and Engineering</i> , 2018, 3, 267-278.	0.9	39
2574	A review of macroinvertebrate- and fish-based stream health modelling techniques. <i>Ecohydrology</i> , 2018, 11, e2022.	1.1	14
2575	Trace Metal Modelling of a Complex River Basin Using the Suite of Models Integrated in the OpenMI Platform. <i>Environments - MDPI</i> , 2018, 5, 48.	1.5	8
2576	Improved Prediction of Stream Flow Based on Updating Land Cover Maps with Remotely Sensed Forest Change Detection. <i>Forests</i> , 2018, 9, 317.	0.9	8
2577	Spatial and Temporal Patterns in Nonstationary Flood Frequency across a Forest Watershed: Linkage with Rainfall and Land Use Types. <i>Forests</i> , 2018, 9, 339.	0.9	13
2578	Impact of Climate Change on Flood Frequency and Intensity in the Kabul River Basin. <i>Geosciences (Switzerland)</i> , 2018, 8, 114.	1.0	63
2579	Modelling Ephemeral Gully Erosion from Unpaved Urban Roads: Equifinality and Implications for Scenario Analysis. <i>Geosciences (Switzerland)</i> , 2018, 8, 137.	1.0	13
2580	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.	1.3	20
2581	Assessing the relative importance of parameter estimation in stream health based environmental justice modeling. <i>Journal of Hydrology</i> , 2018, 563, 211-222.	2.3	1
2582	Evaluation of Satellite-Derived Rainfall Data for Multiple Physio-Climatic Regions in the Santiago River Basin, Mexico. <i>Journal of the American Water Resources Association</i> , 2018, 54, 1068-1086.	1.0	4
2583	Hydrologic assessment of the TMPA 3B42-V7 product in a typical alpine and gorge region: the Lancang River basin, China. <i>Hydrology Research</i> , 2018, 49, 2002-2015.	1.1	11
2584	Evaluation of Satellite-Based Precipitation Products from IMERG V04A and V03D, CMORPH and TMPA with Gauged Rainfall in Three Climatologic Zones in China. <i>Remote Sensing</i> , 2018, 10, 30.	1.8	47
2585	Calibration of a Field-Scale Soil and Water Assessment Tool (SWAT) Model with Field Placement of Best Management Practices in Alger Creek, Michigan. <i>Sustainability</i> , 2018, 10, 851.	1.6	25
2586	SWAT-Simulated Streamflow Responses to Climate Variability and Human Activities in the Miyun Reservoir Basin by Considering Streamflow Components. <i>Sustainability</i> , 2018, 10, 941.	1.6	37
2587	Multi-Dimensional Evaluation of Simulated Small-Scale Irrigation Intervention: A Case Study in Dimbasinia Watershed, Ghana. <i>Sustainability</i> , 2018, 10, 1531.	1.6	14
2588	Impact of Climate Change on Daily Streamflow and Its Extreme Values in Pacific Island Watersheds. <i>Sustainability</i> , 2018, 10, 2057.	1.6	16
2589	A Guideline for Successful Calibration and Uncertainty Analysis for Soil and Water Assessment: A Review of Papers from the 2016 International SWAT Conference. <i>Water (Switzerland)</i> , 2018, 10, 6.	1.2	246
2590	Variability and Trend Detection in the Sediment Load of the Upper Indus River. <i>Water (Switzerland)</i> , 2018, 10, 16.	1.2	17

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2591	A Simplified Infiltration Model for Predicting Cumulative Infiltration during Vertical Line Source Irrigation. <i>Water (Switzerland)</i> , 2018, 10, 89.	1.2	17
2592	Hydrologic Regime Changes in a High-Latitude Glacierized Watershed under Future Climate Conditions. <i>Water (Switzerland)</i> , 2018, 10, 128.	1.2	13
2593	Modeling Spatial Soil Water Dynamics in a Tropical Floodplain, East Africa. <i>Water (Switzerland)</i> , 2018, 10, 191.	1.2	27
2594	A Comparison of SWAT and ANN Models for Daily Runoff Simulation in Different Climatic Zones of Peninsular Spain. <i>Water (Switzerland)</i> , 2018, 10, 192.	1.2	113
2595	Impact of Climate Change on Water Resources of the Bheri River Basin, Nepal. <i>Water (Switzerland)</i> , 2018, 10, 220.	1.2	38
2596	Long-Term Hydropower Generation of Cascade Reservoirs under Future Climate Changes in Jinsha River in Southwest China. <i>Water (Switzerland)</i> , 2018, 10, 235.	1.2	21
2597	Separating Wet and Dry Years to Improve Calibration of SWAT in Barrett Watershed, Southern California. <i>Water (Switzerland)</i> , 2018, 10, 274.	1.2	24
2598	Uncertainty in a Lumped and a Semi-Distributed Model for Discharge Prediction in Ghatshila Catchment. <i>Water (Switzerland)</i> , 2018, 10, 381.	1.2	9
2599	Hydrological Process Simulation of Inland River Watershed: A Case Study of the Heihe River Basin with Multiple Hydrological Models. <i>Water (Switzerland)</i> , 2018, 10, 421.	1.2	7
2600	Hydrologic Response to Land Use Change in a Large Basin in Eastern Amazon. <i>Water (Switzerland)</i> , 2018, 10, 429.	1.2	48
2601	An Alternative Approach to Overcome the Limitation of HRUs in Analyzing Hydrological Processes Based on Land Use/Cover Change. <i>Water (Switzerland)</i> , 2018, 10, 434.	1.2	8
2602	Climate Change Impacts on Nutrient Losses of Two Watersheds in the Great Lakes Region. <i>Water (Switzerland)</i> , 2018, 10, 442.	1.2	23
2603	A Sensitivity Analysis of Impacts of Conservation Practices on Water Quality in L'Anguille River Watershed, Arkansas. <i>Water (Switzerland)</i> , 2018, 10, 443.	1.2	9
2604	Assessment of Near-Term Runoff Response at a River Basin Scale in Central Vietnam Using Direct CMIP5 High-Resolution Model Outputs. <i>Water (Switzerland)</i> , 2018, 10, 477.	1.2	6
2605	Evaluation and Hydrological Simulation of CMADS and CFSR Reanalysis Datasets in the Qinghai-Tibet Plateau. <i>Water (Switzerland)</i> , 2018, 10, 513.	1.2	46
2606	Evapotranspiration Partition and Crop Coefficients of Tifton 85 Bermudagrass as Affected by the Frequency of Cuttings. Application of the FAO56 Dual Kc Model. <i>Water (Switzerland)</i> , 2018, 10, 558.	1.2	17
2607	Modeling Hydroclimatic Change in Southwest Louisiana Rivers. <i>Water (Switzerland)</i> , 2018, 10, 596.	1.2	14
2608	Simulation of Soil Wetting Pattern of Vertical Moisture-Irrigation. <i>Water (Switzerland)</i> , 2018, 10, 601.	1.2	26

#	ARTICLE	IF	CITATIONS
2609	Effects of Input Data Content on the Uncertainty of Simulating Water Resources. <i>Water (Switzerland)</i> , 2018, 10, 621.	1.2	14
2610	Evaluation of Multi-Satellite Precipitation Products for Streamflow Simulations: A Case Study for the Han River Basin in the Korean Peninsula, East Asia. <i>Water (Switzerland)</i> , 2018, 10, 642.	1.2	52
2611	Use of Decision Tables to Simulate Management in SWAT+. <i>Water (Switzerland)</i> , 2018, 10, 713.	1.2	46
2612	Evaluation of the Climate Forecast System Reanalysis Weather Data for Watershed Modeling in Upper Awash Basin, Ethiopia. <i>Water (Switzerland)</i> , 2018, 10, 725.	1.2	29
2613	Application of SWAT Model with CMADS Data to Estimate Hydrological Elements and Parameter Uncertainty Based on SUFI-2 Algorithm in the Lijiang River Basin, China. <i>Water (Switzerland)</i> , 2018, 10, 742.	1.2	51
2614	Impacts of Global Circulation Model (GCM) bias and WXGEN on Modeling Hydrologic Variables. <i>Water (Switzerland)</i> , 2018, 10, 764.	1.2	7
2615	Assessing Environmental Flow Targets Using Pre-Settlement Land Cover: A SWAT Modeling Application. <i>Water (Switzerland)</i> , 2018, 10, 791.	1.2	11
2616	The Assessment of Green Water Based on the SWAT Model: A Case Study in the Hai River Basin, China. <i>Water (Switzerland)</i> , 2018, 10, 798.	1.2	15
2617	Evaluation of AquaCrop Model for Foxtail Millet (<i>Setaria italica</i>) Growth and Water Use with Plastic Film Mulching and No Mulching under Different Weather Conditions. <i>Water (Switzerland)</i> , 2018, 10, 836.	1.2	8
2618	Impact of Infiltration Process Modeling on Soil Water Content Simulations for Irrigation Management. <i>Water (Switzerland)</i> , 2018, 10, 850.	1.2	22
2619	Evaluating the Impacts of IWRM Policy Actions on Demand Satisfaction and Downstream Water Availability in the Upper Awash Basin, Ethiopia. <i>Water (Switzerland)</i> , 2018, 10, 892.	1.2	24
2620	Modelling the Effects of Historical and Future Land Cover Changes on the Hydrology of an Amazonian Basin. <i>Water (Switzerland)</i> , 2018, 10, 932.	1.2	45
2621	Basin-scale impacts of hydropower development on the MompÃ³s Depression wetlands, Colombia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2839-2865.	1.9	43
2622	Approaches for Improving Field Soil Identification. <i>Soil Science Society of America Journal</i> , 2018, 82, 871-877.	1.2	3
2624	Using reverse-time egg transport analysis for predicting Asian carp spawning grounds in the Illinois River. <i>Ecological Modelling</i> , 2018, 384, 53-62.	1.2	15
2625	Estimating Seasonally Frozen Ground Depth From Historical Climate Data and Site Measurements Using a Bayesian Model. <i>Water Resources Research</i> , 2018, 54, 4361-4375.	1.7	22
2626	Low-Impact Development Effects on Aquifer Recharge Using Coupled Surface and Groundwater Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	19
2627	Sensitivity of streamflow to climate change in California. <i>Climatic Change</i> , 2018, 149, 427-441.	1.7	10

#	ARTICLE	IF	CITATIONS
2628	Effects of Climate Change on CO ₂ Concentration and Efflux in a Humic Boreal Lake: A Modeling Study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2212-2233.	1.3	14
2629	Spatial hydrological responses to land use and land cover changes in a typical catchment of the Yangtze River Delta region. <i>Catena</i> , 2018, 170, 305-315.	2.2	58
2630	Multivariate bias corrections of mechanistic water quality model predictions. <i>Journal of Hydrology</i> , 2018, 564, 529-541.	2.3	18
2631	Skill assessment of a seasonal forecast model to predict drought events for water resource systems. <i>Journal of Hydrology</i> , 2018, 564, 574-587.	2.3	13
2632	An implicit friction source term treatment for overland flow simulation using shallow water flow model. <i>Journal of Hydrology</i> , 2018, 564, 357-366.	2.3	34
2633	Modelling ungauged catchments using the catchment runoff response similarity. <i>Journal of Hydrology</i> , 2018, 564, 452-466.	2.3	49
2634	Improved RGBD semantic segmentation using multi-scale features. , 2018, , .		1
2635	Can frequent occurrence of Asiatic black bears around residential areas be predicted by a model-based mast production in multiple Fagaceae species?. <i>Journal of Forest Research</i> , 2018, 23, 260-269.	0.7	8
2636	Role of temporal resolution of meteorological inputs for process-based snow modelling. <i>Hydrological Processes</i> , 2018, 32, 2976-2989.	1.1	4
2637	Large scale spatially explicit modeling of blue and green water dynamics in a temperate mid-latitude basin. <i>Journal of Hydrology</i> , 2018, 562, 84-102.	2.3	39
2638	Thermal response of Moroccan lakes to climatic warming: first results. <i>Annales De Limnologie</i> , 2018, 54, 2.	0.6	9
2639	Evaluation of four hydrological models for operational flood forecasting in a Canadian Prairie watershed. <i>Hydrological Sciences Journal</i> , 2018, 63, 1133-1149.	1.2	54
2640	Integrating booster chlorination and operational interventions in water distribution systems. <i>Journal of Hydroinformatics</i> , 2018, 20, 1025-1041.	1.1	5
2641	Analysis of water balance by surface-groundwater interaction using the SWAT model for the Han River basin, South Korea. <i>Paddy and Water Environment</i> , 2018, 16, 543-560.	1.0	8
2642	North Atlantic Oscillation as a Cause of the Hydrological Changes in the Mediterranean (Júcar River). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.9	11
2643	Spatiotemporal features of the hydro-biogeochemical cycles in a typical loess gully watershed. <i>Ecological Indicators</i> , 2018, 91, 542-554.	2.6	36
2644	Simulating the hydrological response of a small tropical forest watershed (Mata Atlantica, Brazil) by the AnnAGNPS model. <i>Science of the Total Environment</i> , 2018, 636, 737-750.	3.9	26
2645	Biomass production in the Lower Mississippi River Basin: Mitigating associated nutrient and sediment discharge to the Gulf of Mexico. <i>Science of the Total Environment</i> , 2018, 635, 1585-1599.	3.9	12

#	ARTICLE	IF	CITATIONS
2646	Impact of Land Use Change on Hydrologic Processes in a Large Plain Irrigation District. <i>Water Resources Management</i> , 2018, 32, 3203-3217.	1.9	21
2647	The impact of future climate and land use/cover change on water resources in the Ndembera watershed and their mitigation and adaptation strategies. <i>Environmental Systems Research</i> , 2018, 7, .	1.5	39
2648	An Approximate Explicit Greenâ€™Ampt Infiltration Model for Cumulative Infiltration. <i>Soil Science Society of America Journal</i> , 2018, 82, 919-930.	1.2	10
2649	The evaluation of stochastic occupant behavior models from an application-oriented perspective: Using the lighting behavior model as a case study. <i>Energy and Buildings</i> , 2018, 176, 151-162.	3.1	22
2650	Modelling hydrology and water quality in a mixed land use catchment and eutrophic lake: Effects of nutrient load reductions and climate change. <i>Environmental Modelling and Software</i> , 2018, 109, 114-133.	1.9	47
2651	Continuous separation of land use and climate effects on the past and future water balance. <i>Journal of Hydrology</i> , 2018, 565, 106-122.	2.3	30
2652	Analysis of the Effects of Water Management Strategies and Climate Change on the Environmental and Agricultural Sustainability of Urmia Lake Basin, Iran. <i>Water (Switzerland)</i> , 2018, 10, 160.	1.2	49
2653	Subsurface drainage for promoting soil strength for field operations in southern Manitoba. <i>Soil and Tillage Research</i> , 2018, 184, 261-268.	2.6	5
2654	Group contribution methods for estimating CO2 absorption capacities of imidazolium and ammonium-based polyionic liquids. <i>Journal of Cleaner Production</i> , 2018, 203, 601-618.	4.6	40
2655	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.	1.2	29
2656	Modelling the Present and Future Water Level and Discharge of the Tidal Betna River. <i>Geosciences (Switzerland)</i> , 2018, 8, 271.	1.0	4
2657	Rainfall threshold determination for flash flood warning in mountainous catchments with consideration of antecedent soil moisture and rainfall pattern. <i>Natural Hazards</i> , 2018, 94, 605-625.	1.6	41
2658	Modelling of streamflow in snow dominated Budhigandaki catchment in Nepal. <i>Journal of Earth System Science</i> , 2018, 127, 1.	0.6	9
2659	Evaluation of the performance of the EPIC model for yield and biomass simulation under conservation systems in Cambodia. <i>Agricultural Systems</i> , 2018, 166, 90-100.	3.2	14
2660	Selecting statistical indices for calibrating building energy models. <i>Building and Environment</i> , 2018, 144, 94-107.	3.0	13
2661	Estimating anisotropic heterogeneous hydraulic conductivity and dispersivity in a layered coastal aquifer of Dakshina Kannada District, Karnataka. <i>Journal of Hydrology</i> , 2018, 565, 302-317.	2.3	11
2662	Evaluation of Hydrological Components Using Hydrological Model SWAT for Malaprabha Subbasin. <i>Journal of the Geological Society of India</i> , 2018, 92, 195-200.	0.5	3
2663	Input uncertainty on watershed modeling: Evaluation of precipitation and air temperature data by latent variables using SWAT. <i>Ecological Engineering</i> , 2018, 122, 16-26.	1.6	18

#	ARTICLE	IF	CITATIONS
2664	Constraining coupled hydrological-hydraulic flood model by past storm events and post-event measurements in data-sparse regions. <i>Journal of Hydrology</i> , 2018, 565, 160-176.	2.3	17
2665	The effects of hydraulic performance and operation interventions on water quality: The case of Phakalane water distribution system in Botswana. <i>Physics and Chemistry of the Earth</i> , 2018, 108, 48-59.	1.2	3
2666	Using the SWAT Model in Intensively Managed Irrigated Watersheds: Model Modification and Application. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	0.8	25
2667	Highway paving in the southwestern Amazon alters long-term trends and drivers of regional vegetation dynamics. <i>Heliyon</i> , 2018, 4, e00721.	1.4	12
2668	Hydrological responses to land degradation in the Northwest Benin Owena River Basin, Nigeria. <i>Journal of Environmental Management</i> , 2018, 225, 300-312.	3.8	26
2669	Assessment of eight reference evapotranspiration (ET _o) methods considering Köppen climate class in Iran. <i>Hydrological Sciences Journal</i> , 2018, 63, 1468-1481.	1.2	13
2670	Parameter Uncertainty Analysis of the SWAT Model in a Mountain-Loess Transitional Watershed on the Chinese Loess Plateau. <i>Water (Switzerland)</i> , 2018, 10, 690.	1.2	70
2671	Flood Simulation in South Carolina Watersheds Using Different Precipitation Inputs. <i>Advances in Meteorology</i> , 2018, 2018, 1-10.	0.6	5
2672	Exploration of an urban lake management model to simulate chlorine interference based on the ecological relationships among aquatic species. <i>Scientific Reports</i> , 2018, 8, 8325.	1.6	9
2673	Lumped versus Distributed Hydrological Modeling of the Jacarã-Guaçu Basin, Brazil. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	0.7	15
2674	Hydrological impacts of moderate and high-end climate change across European river basins. <i>Journal of Hydrology: Regional Studies</i> , 2018, 18, 15-30.	1.0	45
2675	Partitioning evapotranspiration using an optimized satellite-based ET model across biomes. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 355-363.	1.9	52
2676	Integrated impact assessment of soil and water conservation structures on runoff and sediment yield through measurements and modeling in the Northern Ethiopian highlands. <i>Catena</i> , 2018, 169, 140-150.	2.2	37
2677	Modelling reactive nitrogen fluxes and mitigation scenarios on a landscape in Central France. <i>Agriculture, Ecosystems and Environment</i> , 2018, 264, 99-110.	2.5	7
2678	Integrated modelling for economic valuation of the role of forests and woodlands in drinking water provision to two African cities. <i>Ecosystem Services</i> , 2018, 32, 50-61.	2.3	21
2679	Sensitivity and uncertainty analysis for streamflow prediction using multiple optimization algorithms and objective functions: San Joaquin Watershed, California. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 1509-1525.	1.9	28
2680	Comparison of First-Order and Second-Order Derived Moment Approaches in Estimating Annual Runoff Distribution. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 04018034.	0.8	8
2681	Exact solution of the Linear Parabolic Approximation for flow-depth based diffusive flow routing. <i>Journal of Hydrology</i> , 2018, 563, 620-632.	2.3	10

#	ARTICLE	IF	CITATIONS
2682	Legacy Nutrient Dynamics at the Watershed Scale: Principles, Modeling, and Implications. <i>Advances in Agronomy</i> , 2018, 149, 237-313.	2.4	81
2683	Calibration Assessment of the Distributed Hydrologic Model Using SWAT-CUP. , 2018, , 241-250.		2
2684	Assessing the cumulative impacts of geographically isolated wetlands on watershed hydrology using the SWAT model coupled with improved wetland modules. <i>Journal of Environmental Management</i> , 2018, 223, 37-48.	3.8	59
2685	Linking El Niño Southern Oscillation for early drought detection in tropical climates: The Ecuadorian coast. <i>Science of the Total Environment</i> , 2018, 643, 193-207.	3.9	41
2686	A Modeling Study of Direct and Indirect N ₂ O Emissions From a Representative Catchment in the U.S. Corn Belt. <i>Water Resources Research</i> , 2018, 54, 3632-3653.	1.7	30
2687	Performance of four crop model for simulations of wheat phenology, leaf growth, biomass and yield across planting dates. <i>PLoS ONE</i> , 2018, 13, e0197546.	1.1	48
2688	Spatiotemporal impacts of land use land cover changes on hydrology from the mechanism perspective using SWAT model with time-varying parameters. <i>Hydrology Research</i> , 2019, 50, 244-261.	1.1	62
2689	Modelling streamflow response to climate change in data-scarce White Volta River basin of West Africa using a semi-distributed hydrologic model. <i>Journal of Water and Climate Change</i> , 2019, 10, 907-930.	1.2	4
2690	Simultaneous effect of organic carbon and ammonium on two-step nitrification within sequential batch reactor (SBR). <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2239-2248.	1.8	3
2691	Ecohydrologic processes and soil thickness feedbacks control limestone-weathering rates in a karst landscape. <i>Chemical Geology</i> , 2019, 527, 118774.	1.4	20
2692	Dynamic Water Environmental Capacity Calculations of Rivers Based on Hydrological Processes. <i>Environmental Earth Sciences</i> , 2019, , 57-70.	0.1	1
2693	Integrated modeling of coking flue gas indices based on mechanism model and improved neural network. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 85-96.	1.1	1
2694	Computation of two- and three-dimensional water hammer flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2019, 57, 386-404.	0.7	32
2695	Long-term runoff dynamics assessment measured through land use/cover (LULC) changes in a tropical complex catchment. <i>Environment Systems and Decisions</i> , 2019, 39, 16-33.	1.9	12
2696	Evaluating Hydrological Responses to Urbanization in a Tropical River Basin: A Water Resources Management Perspective. <i>Natural Resources Research</i> , 2019, 28, 327-347.	2.2	26
2697	Development of a model to simulate soil heavy metals lateral migration quantity based on SWAT in Huanjiang watershed, China. <i>Journal of Environmental Sciences</i> , 2019, 77, 115-129.	3.2	27
2698	Recalibration and cross-validation of pesticide trapping equations for vegetative filter strips (VFS) using additional experimental data. <i>Science of the Total Environment</i> , 2019, 647, 534-550.	3.9	17
2699	Linking watershed modeling and bacterial source tracking to better assess E. coli sources. <i>Science of the Total Environment</i> , 2019, 648, 164-175.	3.9	17

#	ARTICLE	IF	CITATIONS
2700	Increased fire hazard in human-modified wetlands in Southeast Asia. <i>Ambio</i> , 2019, 48, 363-373.	2.8	28
2701	Evaluation of static and dynamic land use data for watershed hydrologic process simulation: A case study in Gummara watershed, Ethiopia. <i>Catena</i> , 2019, 172, 65-75.	2.2	43
2702	Run-offâ€“erosion modelling and water balance in the EpitÃ¡cio Pessoa Dam river basin, ParaÃba State in Brazil. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 3035-3048.	1.8	22
2703	Characteristics and simplified model of film slit irrigation. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 16-30.	1.3	0
2704	A Comprehensive Approach to Stormwater Management Problems in the Next Generation Drainage Networks. <i>Internet of Things</i> , 2019, , 275-304.	1.3	20
2705	Prediction of sedimentation in reservoirs by combining catchment based model and stream based model with limited data. <i>International Journal of Sediment Research</i> , 2019, 34, 27-37.	1.8	21
2706	Response of the river discharge in the Tocantins River Basin, Brazil, to environmental changes and the associated effects on the energy potential. <i>Regional Environmental Change</i> , 2019, 19, 193-204.	1.4	21
2707	Flood hydrograph simulation in ungaged basins: modeling linearâ€“nonlinear storage-discharge relationships in a semiarid mountain region. <i>Physical Geography</i> , 2019, 40, 52-70.	0.6	4
2708	Assessment and planning for integrated river basin management using remote sensing, SWAT model and morphometric analysis (case study: Kaddam river basin, India). <i>Geocarto International</i> , 2019, 34, 1332-1362.	1.7	15
2709	Responses of stream water quality concentrations to vegetative cover variation in Muar River watershed. , 2019, 3, 210-222.		1
2710	Climate change impact on water resources of medium irrigation tank. <i>ISH Journal of Hydraulic Engineering</i> , 2019, , 1-12.	1.1	4
2711	Hydrological modeling of water and soil resources in the basin upstream of the Allal El Fassi dam (Upper Sebou watershed, Morocco). <i>Modeling Earth Systems and Environment</i> , 2019, 5, 1163-1177.	1.9	19
2712	Optimal feature selection for prediction of wind erosion threshold friction velocity using a modified evolution algorithm. <i>Geoderma</i> , 2019, 354, 113873.	2.3	8
2713	Streamflow calculation for medium-to-small rivers in data scarce inland areas. <i>Science of the Total Environment</i> , 2019, 693, 133571.	3.9	6
2714	Complex Chemical Process Evaluation Methods Using a New Analytic Hierarchy Process Model Integrating Deep Residual Network with Multiway Principal Component Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13889-13899.	1.8	3
2715	Hourly Alfalfa Evapotranspiration Estimation Using Variable Bulk Surface Resistance. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, 04019023.	0.6	0
2716	Investigating spatial contribution of land use types and land slope classes on soil erosion distribution under tropical environment. <i>Natural Hazards</i> , 2019, 98, 697-718.	1.6	14
2717	Contrasting the Performance of Eight Satellite-Based GPP Models in Water-Limited and Temperature-Limited Grassland Ecosystems. <i>Remote Sensing</i> , 2019, 11, 1333.	1.8	25

#	ARTICLE	IF	CITATIONS
2718	Extended-Range Runoff Forecasting Using a One-Way Coupled Climate-Hydrological Model: Case Studies of the Yiluo and Beijiang Rivers in China. <i>Water (Switzerland)</i> , 2019, 11, 1150.	1.2	5
2719	How to avoid coastal eutrophication - a back-casting study for the North China Plain. <i>Science of the Total Environment</i> , 2019, 692, 676-690.	3.9	26
2720	Study on the Optimization of Dry Land Irrigation Schedule in the Downstream Songhua River Basin Based on the SWAT Model. <i>Water (Switzerland)</i> , 2019, 11, 1147.	1.2	8
2721	Potential Changes in Runoff of California's Major Water Supply Watersheds in the 21st Century. <i>Water (Switzerland)</i> , 2019, 11, 1651.	1.2	6
2722	A parallel workflow implementation for PEST version 13.6 in high-performance computing for WRF-Hydro version 5.0: a case study over the midwestern United States. <i>Geoscientific Model Development</i> , 2019, 12, 3523-3539.	1.3	14
2723	An Event-Based Sediment Yield and Runoff Modeling Using Soil Moisture Balance/Budgeting (SMB) Method. <i>Water Resources Management</i> , 2019, 33, 3721-3741.	1.9	12
2724	Techniques for calibration and validation of SWAT model in data scarce arid and semi-arid catchments in South Africa. <i>Journal of Hydrology: Regional Studies</i> , 2019, 25, 100621.	1.0	50
2725	A three-process-based distributed soil erosion model at catchment scale on the Loess Plateau of China. <i>Journal of Hydrology</i> , 2019, 578, 124005.	2.3	12
2726	Designing Eco-Friendly Water Intake Portfolios in a Tropical Andean Stream Network. <i>Water Resources Research</i> , 2019, 55, 6946-6967.	1.7	7
2727	Estimating sediment yield at Kaduna watershed, Nigeria using soil and water assessment tool (SWAT) model. <i>Heliyon</i> , 2019, 5, e02106.	1.4	15
2728	A novel bias correction framework of TMPA 3B42 daily precipitation data using similarity matrix/homogeneous conditions. <i>Science of the Total Environment</i> , 2019, 694, 133680.	3.9	20
2729	Decreased buffering capacity and increased recovery time for legacy phosphorus in a typical watershed in eastern China between 1960 and 2010. <i>Biogeochemistry</i> , 2019, 144, 273-290.	1.7	14
2730	Insights from watershed simulations around the world: Watershed service-based restoration does not significantly enhance streamflow. <i>Global Environmental Change</i> , 2019, 58, 101938.	3.6	11
2731	Assessing streamflow sensitivity of forested headwater catchments to disturbance and climate change in the central Appalachian Mountains region, USA. <i>Science of the Total Environment</i> , 2019, 694, 133382.	3.9	25
2732	Changes in Nutrient Concentrations of Two Streams in Western Lithuania with Focus on Shrinkage of Agriculture and Effect of Climate, Drainage Runoff and Soil Factors. <i>Water (Switzerland)</i> , 2019, 11, 1590.	1.2	2
2733	Hydrologic Response in an Urban Watershed as Affected by Climate and Land-Use Change. <i>Water (Switzerland)</i> , 2019, 11, 1603.	1.2	23
2734	Constraining a density-dependent flow model with the transient electromagnetic method in a coastal aquifer in Mexico to assess seawater intrusion. <i>Hydrogeology Journal</i> , 2019, 27, 2955-2972.	0.9	18
2735	Hydrological responses to land use/land cover change and climate variability in contrasting agro-ecological environments of the Upper Blue Nile basin, Ethiopia. <i>Science of the Total Environment</i> , 2019, 689, 347-365.	3.9	100

#	ARTICLE	IF	CITATIONS
2736	Development of a Hydrologic and Water Allocation Model to Assess Water Availability in the Sabor River Basin (Portugal). International Journal of Environmental Research and Public Health, 2019, 16, 2419.	1.2	13
2737	Performance of AquaCrop model in simulating maize growth, yield, and evapotranspiration under rainfed, limited and full irrigation. Agricultural Water Management, 2019, 223, 105687.	2.4	57
2738	An improved chaos similarity model for hydrological forecasting. Journal of Hydrology, 2019, 577, 123953.	2.3	19
2739	CFD modeling and performance evaluation of multipass solar air heaters. Numerical Heat Transfer; Part A: Applications, 2019, 76, 438-464.	1.2	35
2740	Evaluation of Watershed Scale Aquatic Ecosystem Health by SWAT Modeling and Random Forest Technique. Sustainability, 2019, 11, 3397.	1.6	13
2741	Assessment of Climate Change Impacts on Extreme High and Low Flows: An Improved Bottom-Up Approach. Water (Switzerland), 2019, 11, 1236.	1.2	15
2742	The Impacts of Water Demand and Its Implications for Future Surface Water Resource Management: The Case of Tanzania's Wami Ruvu Basin (WRB). Water (Switzerland), 2019, 11, 1280.	1.2	15
2743	Parsimonious Modeling of Snow Accumulation and Snowmelt Processes in High Mountain Basins. Water (Switzerland), 2019, 11, 1288.	1.2	2
2744	The Influence of Shear Anisotropy in mTBI: A White Matter Constitutive Model. Annals of Biomedical Engineering, 2019, 47, 1960-1970.	1.3	9
2745	A novel approach for the prediction of the incipient motion of sediments under smooth, transitional and rough flow conditions using Geno-Fuzzy Inference System model. Journal of Hydrology, 2019, 577, 123952.	2.3	11
2746	Assessing the potential impacts of climate and land use change on water fluxes and sediment transport in a loosely coupled system. Journal of Hydrology, 2019, 577, 123955.	2.3	34
2747	Evaluating efficiencies and cost-effectiveness of best management practices in improving agricultural water quality using integrated SWAT and cost evaluation tool. Journal of Hydrology, 2019, 577, 123965.	2.3	48
2748	Understanding the Fertilizer Management Impacts on Water and Nitrogen Dynamics for a Corn Silage Tile-Drained System in Canada. Journal of Environmental Quality, 2019, 48, 1016-1028.	1.0	16
2749	A Spatially Enhanced Data-Driven Multimodel to Improve Semiseasonal Groundwater Forecasts in the High Plains Aquifer, USA. Water Resources Research, 2019, 55, 5941-5961.	1.7	27
2750	Assessment of Climate Change and Associated Vegetation Cover Change on Watershed-Scale Runoff and Sediment Yield. Water (Switzerland), 2019, 11, 1373.	1.2	27
2751	Simulation and Analysis of the Water Balance of the Nam Co Lake Using SWAT Model. Water (Switzerland), 2019, 11, 1383.	1.2	14
2752	Optimum positioning of wastewater treatment plants in a river network: A model-based approach to minimize microbial pollution. Science of the Total Environment, 2019, 691, 1310-1319.	3.9	10
2753	Simulating sub-daily hydrological process with SWAT: a review. Hydrological Sciences Journal, 2019, 64, 1415-1423.	1.2	32

#	ARTICLE	IF	CITATIONS
2754	Numerical Modelling of Heavy Metal Dynamics in a River-Lagoon System. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-24.	0.6	5
2755	Predicting Sediment Concentrations Using a Nonlinear Autoregressive Exogenous Neural Network. <i>Lecture Notes in Computer Science</i> , 2019, , 591-601.	1.0	1
2756	Reducing the uncertainty of time-varying hydrological model parameters using spatial coherence within a hierarchical Bayesian framework. <i>Journal of Hydrology</i> , 2019, 577, 123927.	2.3	9
2757	Quantification of predictive uncertainty with a metamodel: toward more efficient hydrologic simulations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 1453-1476.	1.9	15
2758	Management of minimum lake levels and impacts on flood mitigation: A case study of the Yahara Watershed, Wisconsin, USA. <i>Journal of Hydrology</i> , 2019, 577, 123920.	2.3	4
2759	Aerosol Optical Depth Over the Nepalese Cryosphere Derived From an Empirical Model. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	9
2760	Spatial-temporal analysis of the climatic and anthropogenic influences on runoff in the Jucu River Basin, Southeastern Brazil. <i>Land Degradation and Development</i> , 2019, 30, 2073-2087.	1.8	12
2761	Effects of dam construction on total solids in the Ca River, north-central Vietnam. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	1
2762	Assessing the impacts of climate change on dependable flow and potential irrigable area using the SWAT model. The case of Maasin River watershed in Laguna, Philippines. <i>Journal of Agricultural Engineering</i> , 2019, 50, 88-98.	0.7	3
2763	Hydrological model for Hemren dam reservoir catchment area at the middle River Diyala reach in Iraq using ArcSWAT model. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	20
2764	Evaluation of multisite performance of SWAT model in the Gomti River Basin, India. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	27
2765	Impact of climate change on surface water availability and crop water demand for the sub-watershed of Abbay Basin, Ethiopia. <i>Sustainable Water Resources Management</i> , 2019, 5, 1859-1875.	1.0	11
2766	Evaluation of a global ensemble flood prediction system in Peru. <i>Hydrological Sciences Journal</i> , 2019, 64, 1171-1189.	1.2	21
2767	A unique vadose zone model for shallow aquifers: the Hetao irrigation district, China. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3097-3115.	1.9	6
2768	Physical Model of Hydrological Behavior of Permeable Pavements Using FlexPDE. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	6
2769	Fine Sediment Modeling During Storm-Based Events in the River Bandon, Ireland. <i>Water (Switzerland)</i> , 2019, 11, 1523.	1.2	2
2770	Streamflow in the Columbia River Basin: Quantifying Changes Over the Period 1951-2008 and Determining the Drivers of Those Changes. <i>Water Resources Research</i> , 2019, 55, 6640-6652.	1.7	15
2771	Wind Resource Assessment for Alaska's Offshore Regions: Validation of a 14-Year High-Resolution WRF Data Set. <i>Energies</i> , 2019, 12, 2780.	1.6	13

#	ARTICLE	IF	CITATIONS
2772	Forecasting GRACE Data over the African Watersheds Using Artificial Neural Networks. Remote Sensing, 2019, 11, 1769.	1.8	52
2773	Distinguishing the Relative Contribution of Environmental Factors to Runoff Change in the Headwaters of the Yangtze River. Water (Switzerland), 2019, 11, 1432.	1.2	9
2774	Hydrologic Impacts of Land Use Changes in the Sabor River Basin: A Historical View and Future Perspectives. Water (Switzerland), 2019, 11, 1464.	1.2	15
2775	Assessment of Suitable Land for Surface Irrigation in Ungauged Catchments: Blue Nile Basin, Ethiopia. Water (Switzerland), 2019, 11, 1465.	1.2	17
2776	Vulnerability of a Northeast Mediterranean Island to Soil Loss. Can Grazing Management Mitigate Erosion?. Water (Switzerland), 2019, 11, 1491.	1.2	27
2777	Parameters Estimation and Prediction of Water Movement and Solute Transport in Layered, Variably Saturated Soils Using the Ensemble Kalman Filter. Water (Switzerland), 2019, 11, 1520.	1.2	6
2778	OpenForecast: The First Open-Source Operational Runoff Forecasting System in Russia. Water (Switzerland), 2019, 11, 1546.	1.2	11
2779	The influence of data transformations in simulating Total Suspended Solids using Bayesian inference. Environmental Modelling and Software, 2019, 121, 104493.	1.9	17
2780	Urban flood prediction under heavy precipitation. Journal of Hydrology, 2019, 577, 123984.	2.3	56
2781	Assessing the impact of human regulations on hydrological drought development and recovery based on a "simulated-observed" comparison of the SWAT model. Journal of Hydrology, 2019, 577, 123990.	2.3	71
2782	Assessing Watershed-Scale Stormwater Green Infrastructure Response to Climate Change in Clarksburg, Maryland. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	21
2783	Modeling Flow, Nutrient, and Sediment Delivery from a Large International Watershed Using a Field-Scale SWAT Model. Journal of the American Water Resources Association, 2019, 55, 1288-1305.	1.0	10
2784	Land Use Change Impacts on Hydrology in the Nenjiang River Basin, Northeast China. Forests, 2019, 10, 476.	0.9	17
2785	IMPACT OF FUTURE CLIMATE CHANGE (2020-2059) ON THE HYDROLOGICAL REGIME IN THE HEIHE RIVER BASIN IN SHAANXI PROVINCE, CHINA. International Journal of Big Data Mining for Global Warming, 2019, 01, 1950003.	0.5	2
2786	Vertebrates. , 2019, , 327-381.		1
2787	Applications of TPL. , 2019, , 461-487.		0
2788	A hybrid optimization approach for efficient calibration of computationally intensive hydrological models. Hydrological Sciences Journal, 2019, 64, 1204-1222.	1.2	10
2789	Water availability in Pakistan from Hindukush-Karakoram-Himalayan watersheds at 1.5°C and 2°C Paris Agreement targets. Advances in Water Resources, 2019, 131, 103365.	1.7	31

#	ARTICLE	IF	CITATIONS
2790	Performance evaluation of satellite-based rainfall products on hydrological modeling for a transboundary catchment in northwest Africa. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1695-1713.	1.3	4
2791	Hydraulic Parameters for Sediment Transport and Prediction of Suspended Sediment for Kali Gandaki River Basin, Himalaya, Nepal. <i>Water (Switzerland)</i> , 2019, 11, 1229.	1.2	15
2792	Performance comparison of continuous Wavelet-Fuzzy and discrete Wavelet-Fuzzy models for water level predictions at northern and southern boundary of Bosphorus. <i>Ocean Engineering</i> , 2019, 186, 106097.	1.9	26
2793	Hybrid machine learning framework for hydrological assessment. <i>Journal of Hydrology</i> , 2019, 577, 123913.	2.3	28
2794	Application of HEC-RAS to Study the Sediment Transport Characteristics of Maumee River in Ohio. , 2019, , .		16
2795	Heteroscedastic and symmetric efficiency for hydrological model evaluation criteria. <i>Hydrology Research</i> , 2019, 50, 1189-1201.	1.1	1
2796	Development and evaluation of a simple hydrologically based model for terrestrial evapotranspiration simulations. <i>Journal of Hydrology</i> , 2019, 577, 123928.	2.3	10
2797	Assessment of hydrology and nutrient losses in a changing climate in a subsurface-drained watershed. <i>Science of the Total Environment</i> , 2019, 688, 1236-1251.	3.9	32
2798	Determination of compound channel apparent shear stress: application of novel data mining models. <i>Journal of Hydroinformatics</i> , 2019, 21, 798-811.	1.1	65
2799	Simulation modelling for integration of hydropower, irrigation water and water supply potentials of Lweya Basin, Malawi. <i>International Journal of River Basin Management</i> , 2019, , 1-15.	1.5	1
2800	Investigation of climate change impacts on flow regime in the Lucas Creek catchment using multiple CMIP5 ensembles. <i>Urban Water Journal</i> , 2019, 16, 389-401.	1.0	1
2801	Effects of Different Spatial Configuration Units for the Spatial Optimization of Watershed Best Management Practice Scenarios. <i>Water (Switzerland)</i> , 2019, 11, 262.	1.2	14
2802	New method to calculate the dynamic factorâ€“flow velocity in Geomorphologic instantaneous unit hydrograph. <i>Scientific Reports</i> , 2019, 9, 14201.	1.6	6
2803	Winter Storm Tracks and Related Weather in the NCEP Climate Forecast System Weeks 3â€“4 Reforecasts for North America. <i>Weather and Forecasting</i> , 2019, 34, 751-772.	0.5	3
2804	Assessment of Water Balance for Russian Subcatchment of Western Dvina River Using SWAT Model. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	9
2805	Assessing the effects of plant density and plastic film mulch on maize evaporation and transpiration using dual crop coefficient approach. <i>Agricultural Water Management</i> , 2019, 225, 105765.	2.4	39
2806	SWAT-Based Runoff Simulation and Runoff Responses to Climate Change in the Headwaters of the Yellow River, China. <i>Atmosphere</i> , 2019, 10, 509.	1.0	11
2807	A Novel Approach for the Integral Management of Water Extremes in Plain Areas. <i>Hydrology</i> , 2019, 6, 70.	1.3	4

#	ARTICLE	IF	CITATIONS
2808	Validation of the 3D-MOHID Hydrodynamic Model for the Tagus Coastal Area. <i>Water (Switzerland)</i> , 2019, 11, 1713.	1.2	13
2809	Assessment of Sediment Transport Functions with the Modified SWAT-Twn Model for a Taiwanese Small Mountainous Watershed. <i>Water (Switzerland)</i> , 2019, 11, 1749.	1.2	21
2810	Improving hydrological projection performance under contrasting climatic conditions using spatial coherence through a hierarchical Bayesian regression framework. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3405-3421.	1.9	19
2811	A Long-Term Response-Based Rainfall-Runoff Hydrologic Model: Case Study of The Upper Blue Nile. <i>Hydrology</i> , 2019, 6, 69.	1.3	5
2812	Influence of reservoir management on Guadiana streamflow regime. <i>Journal of Hydrology: Regional Studies</i> , 2019, 25, 100628.	1.0	15
2813	Real-time reservoir operation using recurrent neural networks and inflow forecast from a distributed hydrological model. <i>Journal of Hydrology</i> , 2019, 579, 124229.	2.3	112
2814	Automatic calibration of SWMM using NSGA-III and the effects of delineation scale on an urban catchment. <i>Journal of Hydroinformatics</i> , 2019, 21, 781-797.	1.1	17
2815	Pan evaporation modeling by three different neuro-fuzzy intelligent systems using climatic inputs. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	60
2816	Spatial Distribution and Health Risk Assessment of Potentially Toxic Elements in Surface Soils of Bosten Lake Basin, Central Asia. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3741.	1.2	11
2817	Beyond model metrics: The perils of calibrating hydrologic models. <i>Journal of Hydrology</i> , 2019, 578, 124032.	2.3	30
2818	Multiobjective sensitivity analysis and model parameterization approach for coupled streamflow and groundwater table depth simulations using SHETRAN in a wet humid tropical catchment. <i>Journal of Hydrology</i> , 2019, 579, 124217.	2.3	10
2819	Recalibration of Sensors in One of The World's Longest Running Automated Soil Moisture Monitoring Networks. <i>Soil Science Society of America Journal</i> , 2019, 83, 1003-1011.	1.2	11
2820	Assessing sub-daily rainstorm variability and its effects on flood processes in the Yangtze River Delta region. <i>Hydrological Sciences Journal</i> , 2019, 64, 1972-1981.	1.2	6
2821	Assessing the Impact of Reservoir Parameters on Runoff in the Yalong River Basin using the SWAT Model. <i>Water (Switzerland)</i> , 2019, 11, 643.	1.2	37
2822	A new stopping criterion for multi-objective evolutionary algorithms: application in the calibration of a hydrologic model. <i>Computational Geosciences</i> , 2019, 23, 1219-1235.	1.2	13
2823	Role of Extreme Precipitation and Initial Hydrologic Conditions on Floods in Godavari River Basin, India. <i>Water Resources Research</i> , 2019, 55, 9191-9210.	1.7	45
2824	Using a modified DNDC biogeochemical model to optimize field management of a multi-crop (cotton,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	11
2825	Assimilation of High-Resolution Soil Moisture Data Into an Integrated Terrestrial Model for a Small-Scale Head-Water Catchment. <i>Water Resources Research</i> , 2019, 55, 10358-10385.	1.7	10

#	ARTICLE	IF	CITATIONS
2826	Changes in Water Infiltration after Simulated Wetting and Drying Periods in two Biochar Amendments. <i>Soil Systems</i> , 2019, 3, 63.	1.0	4
2827	Evaluating the applicability and scalability of bias corrected CFSR climate data for hydrological modeling in upper Blue Nile basin, Ethiopia. , 2019, , 11-22.		4
2828	The impact of climate change on mean and extreme state of hydrological variables in Megech watershed, Upper Blue Nile Basin, Ethiopia. , 2019, , 123-135.		3
2829	Impacts of land use and climate change on streamflow and water balance of two sub-catchments of the Murrumbidgee River in South Eastern Australia. , 2019, , 175-190.		1
2830	Modeling the Hydrological Regime of Small Testbed Catchments Based on Field Observations: A Case Study of the Pravaya Sokolovka River, the Upper Ussuri River Basin. <i>Water Resources</i> , 2019, 46, S8-S16.	0.3	17
2831	Production fault simulation and forecasting from time series data with machine learning in glove textile industry. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501988346.	0.5	15
2832	Application of Export Coefficient Model and QUAL2K for Water Environmental Management in a Rural Watershed. <i>Sustainability</i> , 2019, 11, 6022.	1.6	18
2833	A Modified IHACRES Rainfall-Runoff Model for Predicting the Hydrologic Response of a River Basin Connected with a Deep Groundwater Aquifer. <i>Water (Switzerland)</i> , 2019, 11, 2031.	1.2	15
2834	Impacts of Climate Change and Human Activities on Runoff Variation of the Intensive Phosphate Mined Huangbaihe River Basin, China. <i>Water (Switzerland)</i> , 2019, 11, 2039.	1.2	8
2835	Additional Value of Using Satellite-Based Soil Moisture and Two Sources of Groundwater Data for Hydrological Model Calibration. <i>Water (Switzerland)</i> , 2019, 11, 2083.	1.2	17
2836	Individual milk fatty acids are potential predictors of enteric methane emissions from dairy cows fed a wide range of diets: Approach by meta-analysis. <i>Journal of Dairy Science</i> , 2019, 102, 10616-10631.	1.4	18
2837	Model Performance Indicator of Aging Pipes in a Domestic Water Supply Distribution Network. <i>Water (Switzerland)</i> , 2019, 11, 2378.	1.2	11
2838	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.	1.2	22
2839	Hydrologic and thermal conditions occupied by a species within a single watershed predict the geographic extent of occurrence of freshwater fishes. <i>Ecohydrology</i> , 2019, 12, e2071.	1.1	3
2840	Streamflow Generation From Catchments of Contrasting Lithologies: The Role of Soil Properties, Topography, and Catchment Size. <i>Water Resources Research</i> , 2019, 55, 9234-9257.	1.7	26
2841	Land-Use Optimization for Sustainable Agricultural Water Management in Pajaro Valley, California. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	9
2842	Accuracy evaluation of GPM multi-satellite precipitation products in the hydrological application over alpine and gorge regions with sparse rain gauge network. <i>Hydrology Research</i> , 2019, 50, 1710-1729.	1.1	19
2843	Using Remote Sensing Based Metrics to Quantify the Hydrological Response in a City. <i>Water (Switzerland)</i> , 2019, 11, 1763.	1.2	1

#	ARTICLE	IF	CITATIONS
2844	Optimization of the Multi-Start Strategy of a Direct-Search Algorithm for the Calibration of Rainfall–Runoff Models for Water-Resource Assessment. <i>Water (Switzerland)</i> , 2019, 11, 1876.	1.2	12
2845	Estimating the Increase in Regional Evaporative Water Consumption as a Result of Vegetation Restoration Over the Loess Plateau, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11783-11802.	1.2	100
2846	SWAT–GLUT: A Desktop Graphical User Interface for Updating Land Use in SWAT. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1102-1115.	1.0	30
2847	Evaluation of Sediment Load Reduction by Natural Riparian Vegetation in the Goodwin Creek Watershed. <i>Transactions of the ASABE</i> , 2019, 62, 1325-1342.	1.1	7
2848	Calibration and Validation of the EPIC Model for Maize Production in the Eastern Cape, South Africa. <i>Agronomy</i> , 2019, 9, 494.	1.3	23
2849	Forecasting Hotel Accommodation Demand Based on LSTM Model Incorporating Internet Search Index. <i>Sustainability</i> , 2019, 11, 4708.	1.6	31
2850	Impacts of Climate Change on the Hydro-Climate of Peninsular Malaysia. <i>Water (Switzerland)</i> , 2019, 11, 1798.	1.2	11
2851	Impacts of climate change and human activities on the flow regime of the dammed Lancang River in Southwest China. <i>Journal of Hydrology</i> , 2019, 570, 96-105.	2.3	111
2852	Assessment of Risks to Public Water Supply From Low Flows and Harmful Water Quality in a Changing Climate. <i>Water Resources Research</i> , 2019, 55, 10386-10404.	1.7	25
2853	River Water–Quality Concentration and Flux Estimation Can be Improved by Accounting for Serial Correlation Through an Autoregressive Model. <i>Water Resources Research</i> , 2019, 55, 9705-9723.	1.7	38
2854	Land-Based Wastewater Treatment System Modeling Using HYDRUS CW2D to Simulate the Fate, Transport, and Transformation of Soil Contaminants. <i>Journal of Sustainable Water in the Built Environment</i> , 2019, 5, .	0.9	6
2855	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.	1.3	4
2856	Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in a Rural Watershed Located in Louisiana, USA. <i>Water (Switzerland)</i> , 2019, 11, 1714.	1.2	10
2857	How land use/land cover changes can affect water, flooding and sedimentation in a tropical watershed: a case study using distributed modeling in the Upper Citarum watershed, Indonesia. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	22
2858	+50 Years of Terrestrial Hydroclimatic Variability in Africa’s Transboundary Waters. <i>Scientific Reports</i> , 2019, 9, 12327.	1.6	20
2859	A decision support system for indirect potable reuse based on integrated modeling and futurecasting. <i>Journal of Water Reuse and Desalination</i> , 2019, 9, 263-281.	1.2	2
2860	Hydrogeological characterization and assessment of anthropic impacts in the Lower Piura Sub-basin Aquifer in Peru. <i>Hydrogeology Journal</i> , 2019, 27, 2755-2773.	0.9	1
2861	Development of an integrated flood hazard assessment model for a complex river system: a case study of the Mun River Basin, Thailand. <i>Modeling Earth Systems and Environment</i> , 2019, 5, 1265-1281.	1.9	17

#	ARTICLE	IF	CITATIONS
2862	Evaluate the Impacts of Land Use/Land Cover Dynamics on Stream Flow of Gelda Watershed, Upper Blue Nile Basin, Ethiopia. SSRN Electronic Journal, 0, , .	0.4	1
2863	Predictive models for wastewater flow forecasting based on time series analysis and artificial neural network. Water Science and Technology, 2019, 80, 243-253.	1.2	45
2864	Enhancing streamflow forecasting using the augmenting ensemble procedure coupled machine learning models: case study of Aswan High Dam. Hydrological Sciences Journal, 2019, 64, 1629-1646.	1.2	42
2865	Atmospheric circulation amplifies shift of winter streamflow in southern Ontario. Journal of Hydrology, 2019, 578, 124051.	2.3	8
2866	Understanding the Impact of Land Use Land Cover Changes in the Climatic Variability of Wainganga Basin, Central India. , 2019, , .		2
2867	Modeling effectiveness of broiler litter application method for reducing phosphorus and nitrogen losses. Hydrology Research, 2019, 50, 1047-1061.	1.1	3
2868	Observed Upper Ocean Seasonal and Intraseasonal Variability in the Andaman Sea. Journal of Geophysical Research: Oceans, 2019, 124, 6760-6786.	1.0	14
2869	A rating-curve method for determining debit for dry season in micro-scale watersheds. IOP Conference Series: Earth and Environmental Science, 2019, 260, 012029.	0.2	0
2870	Physics-Based Assessment of Climate Change Impact on Long-Term Regional Bridge Scour Risk Using Hydrologic Modeling: Application to Lehigh River Watershed. Journal of Bridge Engineering, 2019, 24, .	1.4	33
2871	Estimation of irrigation return flow on monthly time resolution using SWAT model under limited data availability. Hydrological Sciences Journal, 2019, 64, 1588-1604.	1.2	6
2872	Response of water quality to land use and sewage outfalls in different seasons. Science of the Total Environment, 2019, 696, 134014.	3.9	39
2873	Impact of Climate Change on Sediment and Nitrate Accumulation on Lake Ashtabula in North Dakota. , 2019, , .		0
2874	Impact of Urbanization on Temporal Distribution Pattern of Storm Runoff Coefficient. Environmental Monitoring and Assessment, 2019, 191, 595.	1.3	8
2875	Assessment of AquaCrop model in simulating maize canopy cover, soil-water, evapotranspiration, yield, and water productivity for different planting dates and densities under irrigated and rainfed conditions. Agricultural Water Management, 2019, 224, 105753.	2.4	37
2876	The impact of climate and land-use changes on the hydrological processes of Owabi catchment from SWAT analysis. Journal of Hydrology: Regional Studies, 2019, 25, 100620.	1.0	42
2877	Minor pressure losses for different connections of PP-R and PEX/Al/PEX installation pipes. E3S Web of Conferences, 2019, 100, 00045.	0.2	1
2878	Tipping Bucket Prototype for Automatic Quantification of Surface Runoff Rate in Plots. Revista Brasileira De Ciencia Do Solo, 0, 43, .	0.5	2
2879	IMPACT OF LAND USE CHANGE ON THE WATER BALANCE IN A REPRESENTATIVE WATERSHED IN THE SEMIARID OF THE STATE OF PERNAMBUCO USING THE SWAT MODEL. Engenharia Agricola, 2019, 39, 110-117.	0.2	4

#	ARTICLE	IF	CITATIONS
2880	Scenarios from the Eta Model on quality and hydrological quantity in the Atlantic Forest, Southern Brazil. <i>Revista Brasileira De Recursos Hidricos</i> , 2019, 24, .	0.5	0
2881	Effects of biocrusts and rainfall characteristics on runoff generation in the Mu Us Desert, northwest China. <i>Hydrology Research</i> , 2019, 50, 1410-1423.	1.1	14
2882	Modeling the impact of agricultural crops on the spatial and seasonal variability of water balance components in the Lake Tana basin, Ethiopia. <i>Hydrology Research</i> , 2019, 50, 1376-1396.	1.1	18
2883	Applying a Watershed and Reservoir Model in an Off-Site Reservoir to Establish an Effective Watershed Management Plan. <i>Processes</i> , 2019, 7, 484.	1.3	2
2884	An Adaptive Basin Management Rule to Improve Water Allocation Resilience under Climate Variability and Change—A Case Study in the Laja Lake Basin in Southern Chile. <i>Water (Switzerland)</i> , 2019, 11, 1733.	1.2	6
2885	Impact of Land Use Land Cover (LULC) Change on Surface Runoff in an Increasingly Urbanized Tropical Watershed. <i>Water Resources Management</i> , 2019, 33, 4087-4103.	1.9	64
2886	IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. <i>Water (Switzerland)</i> , 2019, 11, 1681.	1.2	29
2887	Using SWAT to Simulate Streamflow in Trinity River Basin, Texas, USA. , 2019, , .		3
2888	Regional flood frequency modeling: a comparative study among several data-driven models. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	8
2889	Particulate nutrient loss from drylands to grasslands/forestlands in a large-scale highly erodible watershed. <i>Ecological Indicators</i> , 2019, 107, 105673.	2.6	15
2890	Automatic calibration and selection of optimal performance criterion of a water quality model for a river controlled by total maximum daily load (TMDL). <i>Water Science and Technology</i> , 2019, 79, 2260-2270.	1.2	6
2891	Balanced nutrient requirements for maize in the Northern Nigerian Savanna: Parameterization and validation of QUEFTS model. <i>Field Crops Research</i> , 2019, 241, 107585.	2.3	27
2892	GIS-based integrated multi-criteria modelling framework for watershed prioritisation in India—A demonstration in Marol watershed. <i>Journal of Hydrology</i> , 2019, 578, 124131.	2.3	10
2893	Exploring management strategies to improve maize yield and nitrogen use efficiency in northeast China using the DNDC and DSSAT models. <i>Computers and Electronics in Agriculture</i> , 2019, 166, 104988.	3.7	45
2894	Evaluation of Water and Energy Nexus in Wami Ruvu River Basin, Tanzania. <i>Sustainability</i> , 2019, 11, 3109.	1.6	1
2895	Rainfall-Runoff Simulation in Cache River Basin, Illinois, Using HEC-HMS. , 2019, , .		10
2896	Assessment of land use and climate change effects on land subsidence using a hydrological model and radar technique. <i>Journal of Hydrology</i> , 2019, 578, 124070.	2.3	31
2897	Performance Evaluation of Three Satellites-Based Precipitation Data Sets Over Iran. <i>Journal of the Indian Society of Remote Sensing</i> , 2019, 47, 2073-2084.	1.2	10

#	ARTICLE	IF	CITATIONS
2898	Climate change-induced drought evolution over the past 50 years in the southern Chinese Loess Plateau. <i>Environmental Modelling and Software</i> , 2019, 122, 104519.	1.9	42
2899	Comparison and evaluation of gridded precipitation datasets for streamflow simulation in data scarce watersheds of Ethiopia. <i>Journal of Hydrology</i> , 2019, 579, 124168.	2.3	64
2900	Can We Calibrate a Daily Time-Step Hydrological Model Using Monthly Time-Step Discharge Data?. <i>Water (Switzerland)</i> , 2019, 11, 1750.	1.2	15
2901	Modelling Forward Osmosis Treatment of Automobile Wastewaters. <i>Membranes</i> , 2019, 9, 106.	1.4	7
2902	Evaluating the impact of land uses on stream integrity using machine learning algorithms. <i>Science of the Total Environment</i> , 2019, 696, 133858.	3.9	22
2903	Quantifying Hydrological Impacts of Climate Change Uncertainties on a Watershed in Northern Virginia. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	2
2904	Model simulation of heavy metals in river systems: Case study the Negro river basin. <i>Revista Facultad De IngenierÃa</i> , 2019, , 19-35.	0.5	1
2905	New framework for optimizing best management practices at multiple scales. <i>Journal of Hydrology</i> , 2019, 578, 124133.	2.3	14
2906	Climate-induced hydrological impact mitigated by a high-density reservoir network in the Poyang Lake Basin. <i>Journal of Hydrology</i> , 2019, 579, 124148.	2.3	25
2907	Dynamic Time Warping for Quantitative Analysis of Tracer Study Time-Series Water Quality Data. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, 04019052.	1.3	5
2908	Assessing climate change impacts on water resources in the Benue River Basin, Northern Cameroon. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	18
2909	A framework to develop a watershed pollution load model for semiarid and semihumid areas. <i>Journal of Hydrology</i> , 2019, 579, 124179.	2.3	12
2910	Comparison of Satellite Soil Moisture Products in Mongolia and Their Relation to Grassland Condition. <i>Land</i> , 2019, 8, 142.	1.2	5
2911	Evaluating flood regulation ecosystem services under climate, vegetation and reservoir influences. <i>Ecological Indicators</i> , 2019, 107, 105642.	2.6	31
2912	Vertical zonality of the water cycle and the impact of land-use change on runoff in the Qingshui River Basin of Wutai Mountain, China. <i>Hydrological Sciences Journal</i> , 2019, 64, 2080-2092.	1.2	5
2913	A random forest model for inflow prediction at wastewater treatment plants. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 1781-1792.	1.9	70
2914	A season-specific, multi-site calibration strategy to study the hydrological cycle and the impact of extreme-flow events along an urban-to-agricultural gradient. <i>Ecological Informatics</i> , 2019, 54, 100993.	2.3	15
2915	Assessing the mitigation effect of deep tunnels on urban flooding: a case study in Guangzhou, China. <i>Urban Water Journal</i> , 2019, 16, 312-321.	1.0	4

#	ARTICLE	IF	CITATIONS
2916	Artificial Neural Network Technique for Statistical Downscaling of Global Climate Model. Mapan - Journal of Metrology Society of India, 2019, 34, 121-127.	1.0	6
2917	An approach to revising the climate forecast system reanalysis rainfall data in a sparsely-gauged mountain basin. Atmospheric Research, 2019, 220, 194-205.	1.8	12
2918	Impact of intra-annual runoff uniformity and global warming on the thermal regime of a large reservoir. Science of the Total Environment, 2019, 658, 1085-1097.	3.9	27
2919	Fish assemblageâ€environment relationships suggest differential trophic responses to heavy metal contamination. Freshwater Biology, 2019, 64, 632-642.	1.2	12
2920	Quantitative model-data comparison of mid-Holocene lake-level change in the central Rocky Mountains. Climate Dynamics, 2019, 53, 1077-1094.	1.7	10
2921	Optimizing the riparian zone width near a river for controlling lateral migration of irrigation water and solutes. Journal of Hydrology, 2019, 570, 637-646.	2.3	9
2922	Evaluation of the GSMaP_Gauge products using rain gauge observations and SWAT model in the Upper Hanjiang River Basin. Atmospheric Research, 2019, 219, 153-165.	1.8	38
2923	Microbial kinetics and thermodynamic (MKT) processes for soil organic matter decomposition and dynamic oxidation-reduction potential: Model descriptions and applications to soil N2O emissions. Environmental Pollution, 2019, 247, 812-823.	3.7	29
2924	Diagnosing Credibility of a Large-Scale Conceptual Hydrological Model in Simulating Streamflow. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	16
2925	Modeling Streamflow Response to Persistent Drought in a Coastal Tropical Mountainous Watershed, Sierra Nevada De Santa Marta, Colombia. Water (Switzerland), 2019, 11, 94.	1.2	14
2926	Green infrastructure practices simulation of the impacts of land use on surface runoff: Case study in Ecorse River watershed, Michigan. Journal of Environmental Management, 2019, 233, 603-611.	3.8	30
2927	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. Catena, 2019, 176, 227-244.	2.2	4
2928	Enhancing SWAT with remotely sensed LAI for improved modelling of ecohydrological process in subtropics. Journal of Hydrology, 2019, 570, 802-815.	2.3	55
2929	Evaluating and modelling splash detachment capacity based on laboratory experiments. Catena, 2019, 176, 189-196.	2.2	13
2930	Time Stable Representative Position determination as affected by the considered part of an irrigation cycle. Computers and Electronics in Agriculture, 2019, 157, 281-287.	3.7	2
2931	Mapping landscape-level hydrological connectivity of headwater wetlands to downstream waters: A catchment modeling approach - Part 2. Science of the Total Environment, 2019, 653, 1557-1570.	3.9	31
2932	Returns on investment in watershed conservation: Application of a best practices analytical framework to the Rio CamboriÃ Water Producer program, Santa Catarina, Brazil. Science of the Total Environment, 2019, 657, 1368-1381.	3.9	50
2933	Tile Drainage as a Hydrologic Pathway for Phosphorus Export from an Agricultural Subwatershed. Journal of Environmental Quality, 2019, 48, 64-72.	1.0	18

#	ARTICLE	IF	CITATIONS
2934	Comparison of the alternative models SOURCE and SWAT for predicting catchment streamflow, sediment and nutrient loads under the effect of land use changes. <i>Science of the Total Environment</i> , 2019, 662, 254-265.	3.9	37
2935	Parameterization and uncertainty analysis of stream flow in the Barak River basin – a case study. <i>ISH Journal of Hydraulic Engineering</i> , 2019, , 1-11.	1.1	2
2936	Performance evaluation of AquaCrop in simulating soil water storage, yield, and water productivity of rainfed soybeans (<i>Glycine max L. merr</i>) in Ile-Ife, Nigeria. <i>Agricultural Water Management</i> , 2019, 213, 1130-1146.	2.4	30
2937	Modeling of the stormwater runoff quantity and quality in Amman-Zarqua Basin, Jordan. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2019, 4, 1.	0.6	1
2938	Quantifying the Effect of Land Use Change and Climate Variability on Green Water Resources in the Xihe River Basin, Northeast China. <i>Sustainability</i> , 2019, 11, 338.	1.6	15
2939	Artificial intelligence for identifying hydrologically homogeneous regions: A state-of-the-art regional flood frequency analysis. <i>Hydrological Processes</i> , 2019, 33, 1101-1116.	1.1	18
2940	Reliability-based optimum design of hydraulic water retaining structure constructed on heterogeneous porous media: utilizing stochastic ensemble surrogate model-based linked simulation optimization model. <i>Life Cycle Reliability and Safety Engineering</i> , 2019, 8, 65-84.	0.6	3
2941	Evaluating the added value of the new Swiss climate scenarios for hydrology: An example from the Thur catchment. <i>Climate Services</i> , 2019, 13, 1-13.	1.0	11
2942	Dividends in flow prediction improvement using high-resolution soil database. <i>Journal of Hydrology: Regional Studies</i> , 2019, 21, 159-175.	1.0	8
2943	Evaluation of evolutionary algorithms for the optimization of storm water drainage network for an urbanized area. <i>Acta Geophysica</i> , 2019, 67, 149-165.	1.0	12
2944	A Modeling Approach to Diagnose the Impacts of Global Changes on Discharge and Suspended Sediment Concentration within the Red River Basin. <i>Water (Switzerland)</i> , 2019, 11, 958.	1.2	16
2945	On the Use of NLDAS2 Weather Data for Hydrologic Modeling in the Upper Mississippi River Basin. <i>Water (Switzerland)</i> , 2019, 11, 960.	1.2	11
2946	Comparison of Acoustic to Optical Backscatter Continuous Measurements of Suspended Sediment Concentrations and Their Characterization in an Agriculturally Impacted River. <i>Water (Switzerland)</i> , 2019, 11, 981.	1.2	7
2947	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.	1.2	12
2948	Hydrodynamic Modeling Coupled with Long-term Field Data Provide Evidence for Suppression of Phytoplankton by Invasive Clams and Freshwater Exports in the San Francisco Estuary. <i>Environmental Management</i> , 2019, 63, 703-717.	1.2	13
2949	Optimized Numerical Model Based Assessment of Wave Power Potential of Marmara Sea. <i>Journal of Ocean University of China</i> , 2019, 18, 293-304.	0.6	5
2950	Hydrologic impacts and trade-offs associated with forest-based bioenergy development practices in a snow-dominated watershed, Wisconsin, USA. <i>Journal of Hydrology</i> , 2019, 574, 421-429.	2.3	11
2951	Uncertainty of CERES-Maize Calibration under Different Irrigation Strategies Using PEST Optimization Algorithm. <i>Agronomy</i> , 2019, 9, 241.	1.3	11

#	ARTICLE	IF	CITATIONS
2952	Comparative Study of Two State-of-the-Art Semi-Distributed Hydrological Models. <i>Water (Switzerland)</i> , 2019, 11, 871.	1.2	15
2953	Assessment of Hydrologic Alteration Metrics for Detecting Urbanization Impacts. <i>Water (Switzerland)</i> , 2019, 11, 1017.	1.2	13
2954	A Study on Climate-Driven Flash Flood Risks in the Boise River Watershed, Idaho. <i>Water (Switzerland)</i> , 2019, 11, 1039.	1.2	6
2955	Exploration of the Snow Ablation Process in the Semiarid Region in China by Combining Site-Based Measurements and the Utah Energy Balance Model—A Case Study of the Manas River Basin. <i>Water (Switzerland)</i> , 2019, 11, 1058.	1.2	5
2956	Simulating Soil Water Content, Evapotranspiration, and Yield of Variably Irrigated Grain Sorghum Using AquaCrop. <i>Journal of the American Water Resources Association</i> , 2019, 55, 976-993.	1.0	15
2957	A modified SWAT module for estimating groundwater table at Lethbridge and Barons, Alberta, Canada. <i>Journal of Hydrology</i> , 2019, 575, 420-431.	2.3	29
2958	Development and evaluation of a hydrologic data-assimilation scheme for short-range flow and inflow forecasts in a data-sparse high-latitude region using a distributed model and ensemble Kalman filtering. <i>Advances in Water Resources</i> , 2019, 130, 198-220.	1.7	11
2959	Comparing Remotely-Sensed Surface Energy Balance Evapotranspiration Estimates in Heterogeneous and Data-Limited Regions: A Case Study of Tanzania's Kilombero Valley. <i>Remote Sensing</i> , 2019, 11, 1289.	1.8	23
2960	Changeability of simulated watershed hydrographs from different vector scales and cell sizes. <i>Catena</i> , 2019, 182, 104097.	2.2	4
2961	Climate Change and Nutrient Loading in the Western Lake Erie Basin: Warming Can Counteract a Wetter Future. <i>Environmental Science & Technology</i> , 2019, 53, 7543-7550.	4.6	42
2962	USLE K-Factor Method Selection for a Tropical Catchment. <i>Sustainability</i> , 2019, 11, 1840.	1.6	13
2963	Climate change impact on the hydrological budget of a large Mediterranean island. <i>Hydrological Sciences Journal</i> , 2019, 64, 1190-1203.	1.2	18
2964	Evidence-Based Integrated Analysis of Environmental Hazards in Southern Bolivia. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2107.	1.2	3
2965	Assessment of Flood Extremes Using Downscaled CMIP5 High-Resolution Ensemble Projections of Near-Term Climate for the Upper Thu Bon Catchment in Vietnam. <i>Water (Switzerland)</i> , 2019, 11, 634.	1.2	4
2966	Prediction of enteric methane production, yield and intensity of beef cattle using an intercontinental database. <i>Agriculture, Ecosystems and Environment</i> , 2019, 283, 106575.	2.5	57
2967	Evaluation of the performance of existing mathematical models predicting enteric methane emissions from ruminants: Animal categories and dietary mitigation strategies. <i>Animal Feed Science and Technology</i> , 2019, 255, 114207.	1.1	21
2968	Streamflow regionalization using a similarity approach in ungauged basins: Application of the geo-environmental signatures in the Karkheh River Basin, Iran. <i>Catena</i> , 2019, 182, 104128.	2.2	64
2969	Evaluating Sponge City volume capture ratio at the catchment scale using SWMM. <i>Journal of Environmental Management</i> , 2019, 246, 745-757.	3.8	67

#	ARTICLE	IF	CITATIONS
2970	Role of satellite and reanalysis precipitation products in streamflow and sediment modeling over a typical alpine and gorge region in Southwest China. <i>Science of the Total Environment</i> , 2019, 685, 934-950.	3.9	36
2971	Clustered ANFIS weighing models for sweet lime (<i>Citrus limetta</i>) using computer vision system. <i>Journal of Food Process Engineering</i> , 2019, 42, e13160.	1.5	9
2972	Water balance responses to land-use/land-cover changes in the Pra River Basin of Ghana, 1986â€“2025. <i>Catena</i> , 2019, 182, 104129.	2.2	49
2973	Assessing Water and Nutrient Long-Term Dynamics and Loads in the EnxoÃ© Temporary River Basin (Southeast Portugal). <i>Water (Switzerland)</i> , 2019, 11, 354.	1.2	9
2974	Possible Increases in Flood Frequency Due to the Loss of Eastern Hemlock in the Northeastern United States: Observational Insights and Predicted Impacts. <i>Water Resources Research</i> , 2019, 55, 5342-5359.	1.7	23
2975	Evaluation and application of a SWAT model to assess the climate change impact on the hydrology of the Himalayan River Basin. <i>Catena</i> , 2019, 181, 104082.	2.2	177
2976	Total water storage variability from GRACE mission and hydrological models for a 50,000 km ² temperate watershed: the Garonne River basin (France). <i>Journal of Hydrology: Regional Studies</i> , 2019, 24, 100609.	1.0	17
2977	Hydrologic model parameterization using dynamic Landsat-based vegetative estimates within a semiarid grassland. <i>Journal of Hydrology</i> , 2019, 575, 1073-1086.	2.3	9
2978	Flood inundation modeling and mapping by integrating surface and subsurface hydrology with river hydrodynamics. <i>Journal of Hydrology</i> , 2019, 575, 1155-1177.	2.3	32
2979	Deep neural networks for modeling fouling growth and flux decline during NF/RO membrane filtration. <i>Journal of Membrane Science</i> , 2019, 587, 117164.	4.1	49
2980	Quantitative Assessment of the Environmental Impacts of Dredging and Dumping Activities at Sea. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1703.	1.3	7
2981	Differences among Evapotranspiration Products Affect Water Resources and Ecosystem Management in an Australian Catchment. <i>Remote Sensing</i> , 2019, 11, 958.	1.8	13
2982	Evaluation of the Effect of Channel Geometry on Streamflow and Water Quality Modeling and Modification of Channel Geometry Module in SWAT: A Case Study of the Andong Dam Watershed. <i>Water (Switzerland)</i> , 2019, 11, 718.	1.2	8
2983	RZ-TRADEOFF: A New Model to Estimate Riparian Water and Air Quality Functions. <i>Water (Switzerland)</i> , 2019, 11, 769.	1.2	7
2984	Modeling Riparian Restoration Impacts on the Hydrologic Cycle at the Babacomari Ranch, SE Arizona, USA. <i>Water (Switzerland)</i> , 2019, 11, 381.	1.2	13
2985	Forecasting salinity time series using RF and ELM approaches coupled with decomposition techniques. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 1117-1135.	1.9	28
2986	Comparison of Evapotranspiration Simulation Performance by APEX Model in Dryland and Irrigated Cropping Systems. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1009-1023.	1.0	2
2987	System-Analytical Simulation of Hydrochemical Runoff of Mountain Rivers: Case Study of Dissolved Iron. <i>Water Resources</i> , 2019, 46, 199-208.	0.3	1

#	ARTICLE	IF	CITATIONS
2988	A Combined Method for Estimating Continuous Runoff by Parameter Transfer and Drainage Area Ratio Method in Ungauged Catchments. <i>Water (Switzerland)</i> , 2019, 11, 1104.	1.2	15
2989	Evaluation of random forest and regression tree methods for estimation of mass first flush ratio in urban catchments. <i>Journal of Hydrology</i> , 2019, 575, 1099-1110.	2.3	48
2990	A case study for the assessment of the suitability of gridded reanalysis weather data for hydrological simulation in Beas river basin of North Western Himalaya. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	16
2991	Impacts of climate change on stream flow and water availability in Anger sub-basin, Nile Basin of Ethiopia. <i>Sustainable Water Resources Management</i> , 2019, 5, 1755-1764.	1.0	20
2992	Phosphorus reduction in the New York City water supply system: A water-quality success story confirmed with data and modeling. <i>Ecological Engineering</i> , 2019, 135, 75-88.	1.6	17
2993	Modeling the effects of land cover change on sediment concentrations in a gold-mined Amazonian basin. <i>Regional Environmental Change</i> , 2019, 19, 1801-1813.	1.4	8
2994	Improved Water and Economic Sustainability with Low-Input Compact Bed Plasticulture and Precision Irrigation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, .	0.6	6
2995	Monthly prediction of streamflow using data-driven models. <i>Journal of Earth System Science</i> , 2019, 128, 1.	0.6	22
2996	Hydrological post-processing based on approximate Bayesian computation (ABC). <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 1361-1373.	1.9	4
2997	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.	1.3	13
2998	Model Uncertainty Analysis Methods for Semi-Arid Watersheds with Different Characteristics: A Comparative SWAT Case Study. <i>Water (Switzerland)</i> , 2019, 11, 1177.	1.2	7
2999	Automatic calibration of a large-scale sediment model using suspended sediment concentration, water quality, and remote sensing data. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 24, .	0.5	3
3000	The Dominant Climate Change Event for Salinity Intrusion in the GBM Delta. <i>Climate</i> , 2019, 7, 69.	1.2	27
3001	Evaluation of best management practices for sediment and nutrient loss control using SWAT model. <i>Soil and Tillage Research</i> , 2019, 192, 42-58.	2.6	84
3002	A multi-temporal analysis of streamflow using multiple CMIP5 GCMs in the Upper Ayerawaddy Basin, Myanmar. <i>Climatic Change</i> , 2019, 155, 59-79.	1.7	13
3003	Application of SWAT Model with a Modified Groundwater Module to the Semi-Arid Hailiutu River Catchment, Northwest China. <i>Sustainability</i> , 2019, 11, 2031.	1.6	17
3004	The Effect of Reduced Flow on Downstream Water Systems Due to the Kumgangsán Dam under Dry Conditions. <i>Water (Switzerland)</i> , 2019, 11, 739.	1.2	11
3005	Analyzing and comparing complex environmental time series using a cumulative sums approach. <i>MethodsX</i> , 2019, 6, 779-787.	0.7	25

#	ARTICLE	IF	CITATIONS
3006	Simulation of the projected climate change impacts on the river flow regimes under CMIP5 RCP scenarios in the westerlies dominated belt, northern Pakistan. <i>Atmospheric Research</i> , 2019, 227, 233-248.	1.8	51
3007	Explaining the hydrological behaviour of facultative phreatophytes using a multi-variable and multi-objective modelling approach. <i>Journal of Hydrology</i> , 2019, 575, 395-407.	2.3	11
3008	Evaluation of flood prediction capability of the distributed Gridâ€Xinanjiang model driven by weather research and forecasting precipitation. <i>Journal of Flood Risk Management</i> , 2019, 12, .	1.6	24
3009	Modelling Nitrate Reduction Strategies from Diffuse Sources in the Po River Basin. <i>Water (Switzerland)</i> , 2019, 11, 1030.	1.2	15
3010	A Review of SWAT Studies in Southeast Asia: Applications, Challenges and Future Directions. <i>Water (Switzerland)</i> , 2019, 11, 914.	1.2	78
3011	Changes in drought propagation under the regulation of reservoirs and water diversion. <i>Theoretical and Applied Climatology</i> , 2019, 138, 701-711.	1.3	20
3012	Multi-model approach to quantify groundwater-level prediction uncertainty using an ensemble of global climate models and multiple abstraction scenarios. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2279-2303.	1.9	32
3013	Implications of water management representations for watershed hydrologic modeling in the Yakima River basin. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 35-49.	1.9	32
3014	Assessment of Wetland Restoration and Climate Change Impacts on Water Balance Components of the Heeia Coastal Wetland in Hawaii. <i>Hydrology</i> , 2019, 6, 37.	1.3	6
3015	Modeling phosphorus reduction strategies from the international St. Clair-Detroit River system watershed. <i>Journal of Great Lakes Research</i> , 2019, 45, 742-751.	0.8	15
3016	Data-driven modeling of phosphorus (P) dynamics in low-P stormwater wetlands. <i>Environmental Modelling and Software</i> , 2019, 118, 226-240.	1.9	14
3017	An automated multi-model evapotranspiration mapping framework using remotely sensed and reanalysis data. <i>Remote Sensing of Environment</i> , 2019, 229, 69-92.	4.6	61
3018	Modeling Escherichia coli fate and transport in the Kabul River Basin using SWAT. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1279-1297.	1.7	16
3019	Modelling microbial kinetics and thermodynamic processes for quantifying soil CO2 emission. <i>Atmospheric Environment</i> , 2019, 209, 125-135.	1.9	16
3020	Calibration of SWAT and Two Data-Driven Models for a Data-Scarce Mountainous Headwater in Semi-Arid Konya Closed Basin. <i>Water (Switzerland)</i> , 2019, 11, 147.	1.2	40
3021	Effects of Human Activities on Hydrological Components in the Yiluo River Basin in Middle Yellow River. <i>Water (Switzerland)</i> , 2019, 11, 689.	1.2	20
3022	Quantifying the Performances of the Semi-Distributed Hydrologic Model in Parallel Computingâ€A Case Study. <i>Water (Switzerland)</i> , 2019, 11, 823.	1.2	7
3023	Simulating Reservoir Operation Using a Recurrent Neural Network Algorithm. <i>Water (Switzerland)</i> , 2019, 11, 865.	1.2	45

#	ARTICLE	IF	CITATIONS
3024	Influences of Catchment and River Channel Characteristics on the Magnitude and Dynamics of Storage and Re-Suspension of Fine Sediments in River Beds. <i>Water (Switzerland)</i> , 2019, 11, 878.	1.2	12
3025	Simulated Runoff and Sediment Yield Responses to Land-Use Change Using the SWAT Model in Northeast China. <i>Water (Switzerland)</i> , 2019, 11, 915.	1.2	27
3026	Investigation of Low- and High-Flow Characteristics of Karst Catchments under Climate Change. <i>Water (Switzerland)</i> , 2019, 11, 925.	1.2	15
3027	Evaluating the Effectiveness of Spatially Reconfiguring Erosion Hot Spots to Reduce Stream Sediment Load in an Upland Agricultural Catchment of South Korea. <i>Water (Switzerland)</i> , 2019, 11, 957.	1.2	3
3028	Evaluation of Distribution Properties of Non-Point Source Pollution in a Subtropical Monsoon Watershed by a Hydrological Model with a Modified Runoff Module. <i>Water (Switzerland)</i> , 2019, 11, 993.	1.2	10
3029	Modelling Runoff and Sediment Loads in a Developing Coastal Watershed of the US-Mexico Border. <i>Water (Switzerland)</i> , 2019, 11, 1024.	1.2	12
3030	Evaluation of SWAT Model performance on glaciated and non-glaciated subbasins of Nam Co Lake, Southern Tibetan Plateau, China. <i>Journal of Mountain Science</i> , 2019, 16, 1075-1097.	0.8	14
3031	Modelling nutrient fluxes into the Mediterranean Sea. <i>Journal of Hydrology: Regional Studies</i> , 2019, 22, 100592.	1.0	31
3032	Development of an Event-Based Water Quality Model for Sparsely Gauged Catchments. <i>Sustainability</i> , 2019, 11, 1773.	1.6	3
3033	Crop Coefficients and Transpiration of a Super Intensive Arbequina Olive Orchard using the Dual Kc Approach and the Kcb Computation with the Fraction of Ground Cover and Height. <i>Water (Switzerland)</i> , 2019, 11, 383.	1.2	26
3034	Detecting inundation thresholds for dryland wetland vulnerability. <i>Advances in Water Resources</i> , 2019, 128, 168-182.	1.7	19
3035	Modeling the effects of climate change on hydrology and sediment load in a headwater basin in the Brazilian Cerrado biome. <i>Ecological Engineering</i> , 2019, 133, 20-31.	1.6	49
3036	Long-term effect of cover crop on rainwater balance components and use efficiency in the no-tilled and rainfed corn and soybean rotation system. <i>Agricultural Water Management</i> , 2019, 219, 27-39.	2.4	18
3037	Impacts on watershed-scale runoff and sediment yield resulting from synergetic changes in climate and vegetation. <i>Catena</i> , 2019, 179, 129-138.	2.2	46
3038	A two-stage sensitivity analysis for parameter identification and calibration of a physically-based distributed model in a river basin. <i>Hydrological Sciences Journal</i> , 2019, 64, 701-719.	1.2	18
3039	Flash Flood Simulation for Ungauged Catchments Based on the Distributed Hydrological Model. <i>Water (Switzerland)</i> , 2019, 11, 76.	1.2	9
3040	Effects of land-use data resolution on hydrologic modelling, a case study in the upper reach of the Heihe River, Northwest China. <i>Ecological Modelling</i> , 2019, 404, 61-68.	1.2	18
3041	Effectiveness of introducing crop coefficient and leaf area index to enhance evapotranspiration simulations in hydrologic models. <i>Hydrological Processes</i> , 2019, 33, 2206-2226.	1.1	10

#	ARTICLE	IF	CITATIONS
3042	Impact of catchment classification on streamflow regionalization in ungauged catchments. SN Applied Sciences, 2019, 1, 1.	1.5	13
3043	Tropical cyclone rainfall in the Mekong River Basin for 1983â€“2016. Atmospheric Research, 2019, 226, 66-75.	1.8	26
3044	Quantification of Stream Drying Phenomena Using Grid-Based Hydrological Modeling via Long-Term Data Mining throughout South Korea including Ungauged Areas. Water (Switzerland), 2019, 11, 477.	1.2	9
3045	Investigating Influence of Hydrological Regime on Organic Matters Characteristic in a Korean Watershed. Water (Switzerland), 2019, 11, 512.	1.2	9
3046	Assessment of Surface Water Resources in the Big Sunflower River Watershed Using Coupled SWATâ€“MODFLOW Model. Water (Switzerland), 2019, 11, 528.	1.2	33
3047	Multi-Objective Calibration of a Distributed Hydrological Model in a Highly Glacierized Watershed in Central Asia. Water (Switzerland), 2019, 11, 554.	1.2	10
3048	Future hydro-meteorological drought of the Johor River Basin, Malaysia, based on CORDEX-SEA projections. Hydrological Sciences Journal, 2019, 64, 921-933.	1.2	30
3049	Development of a New Integrated Framework for Improved Rainfall-Runoff Modeling under Climate Variability and Human Activities. Water Resources Management, 2019, 33, 2501-2515.	1.9	11
3050	Multi-year surface radiative properties and vegetation parameters for hydrologic modeling in regions of complex terrainâ€“Methodology and evaluation over the Integrated Precipitation and Hydrology Experiment 2014 domain. Journal of Hydrology: Regional Studies, 2019, 22, 100596.	1.0	5
3051	Effect of Calibration and Validation Decisions on Streamflow Modeling for a Heterogeneous and Low Runoffâ€“Producing River Basin in India. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	20
3052	Identifying erosion hotspots in Lake Tana Basin from a multisite Soil and Water Assessment Tool validation: Opportunity for land managers. Land Degradation and Development, 2019, 30, 1449-1467.	1.8	47
3053	Crop conversion impacts on runoff and sediment loads in the Upper Sunflower River watershed. Agricultural Water Management, 2019, 217, 399-412.	2.4	9
3054	Evaluation of Land Surface Subprocesses and Their Impacts on Model Performance With Global Flux Data. Journal of Advances in Modeling Earth Systems, 2019, 11, 1329-1348.	1.3	10
3055	Predictive Evapotranspiration Equations in Rain Gardens. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, .	0.6	19
3056	Evaluating the influence of turbulence models used in computational fluid dynamics for the prediction of airflows inside poultry houses. Biosystems Engineering, 2019, 183, 1-12.	1.9	24
3057	Modeling the Impact of Climate Change on Water Availability in the Zarrine River Basin and Inflow to the Boukan Dam, Iran. Climate, 2019, 7, 51.	1.2	37
3058	Effectiveness Analysis of Systematic Combined Sewer Overflow Control Schemes in the Sponge City Pilot Area of Beijing. International Journal of Environmental Research and Public Health, 2019, 16, 1503.	1.2	13
3059	Initial abstraction ratio and Curve Number estimation using rainfall and runoff data from a tropical watershed. Revista Brasileira De Recursos Hidricos, 0, 24, .	0.5	11

#	ARTICLE	IF	CITATIONS
3060	Hybrid artificial intelligence-time series models for monthly streamflow modeling. <i>Applied Soft Computing Journal</i> , 2019, 80, 873-887.	4.1	65
3061	Efficiency and sustainability of land-resource use on a small island. <i>Environmental Research Letters</i> , 2019, 14, 054004.	2.2	13
3062	Spatial Variabilities of Runoff Erosion and Different Underlying Surfaces in the Xihe River Basin. <i>Water (Switzerland)</i> , 2019, 11, 352.	1.2	10
3063	Development of generic crop models for simulation of multi-species plant communities in mown grasslands. <i>Ecological Modelling</i> , 2019, 401, 111-128.	1.2	23
3064	Estimation of discharge with free overfall in rectangular channel using artificial intelligence models. <i>Flow Measurement and Instrumentation</i> , 2019, 67, 118-130.	1.0	17
3065	Calibration and Validation of Watershed Models and Advances in Uncertainty Analysis in TMDL Studies. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	55
3066	Large-Scale Hydrological Modelling of the Upper Paraná River Basin. <i>Water (Switzerland)</i> , 2019, 11, 882.	1.2	25
3067	Quantifying Positive and Negative Human-Modified Droughts in the Anthropocene: Illustration with Two Iranian Catchments. <i>Water (Switzerland)</i> , 2019, 11, 884.	1.2	7
3068	Estuarine salinity recovery from an extreme precipitation event: Hurricane Harvey in Galveston Bay. <i>Science of the Total Environment</i> , 2019, 670, 1049-1059.	3.9	44
3069	Seasonality in river export of nitrogen: A modelling approach for the Yangtze River. <i>Science of the Total Environment</i> , 2019, 671, 1282-1292.	3.9	52
3070	Influent Forecasting for Wastewater Treatment Plants in North America. <i>Sustainability</i> , 2019, 11, 1764.	1.6	41
3071	Simulation of spatially-distributed copper pollution in a large river basin using the ECOMAG-HM model. <i>Hydrological Sciences Journal</i> , 2019, 64, 739-756.	1.2	12
3072	Assessment of a Smartphone Application for Real-Time Irrigation Scheduling in Mediterranean Environments. <i>Water (Switzerland)</i> , 2019, 11, 252.	1.2	30
3073	Comparing Statistical and Semi-Distributed Rainfall-Runoff Models for a Large Subtropical Watershed: A Case Study of Jiulong River Catchment, China. <i>Atmosphere</i> , 2019, 10, 62.	1.0	1
3074	Land Use/Cover Change Effects on River Basin Hydrological Processes Based on a Modified Soil and Water Assessment Tool: A Case Study of the Heihe River Basin in Northwest China's Arid Region. <i>Sustainability</i> , 2019, 11, 1072.	1.6	9
3075	Benchmark decadal forecast skill for terrestrial water storage estimated by an elasticity framework. <i>Nature Communications</i> , 2019, 10, 1237.	5.8	13
3076	Modelling Water Quality in Subsurface Drained Cropland Using the Root Zone Water Quality Model (RZWQM). <i>Advances in Agricultural Systems Modeling</i> , 2019, , 237-269.	0.3	0
3077	Parameter sensitivity analysis of SWAT model for streamflow simulation with multisource precipitation datasets. <i>Hydrology Research</i> , 2019, 50, 861-877.	1.1	24

#	ARTICLE	IF	CITATIONS
3078	Development and application of the soil moisture routing (SMR) model to identify subfield-scale hydrologic classes in dryland cropping systems using the Budyko framework. <i>Journal of Hydrology</i> , 2019, 573, 153-167.	2.3	4
3079	Forecasting near-future impacts of land use and climate change on the Zilbier river hydrological regime, northwestern Iran. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	15
3080	Risk assessment and sensitivity analysis of flash floods in ungauged basins using coupled hydrologic and hydrodynamic models. <i>Journal of Hydrology</i> , 2019, 572, 108-120.	2.3	93
3081	Using a Hydrologic Model to Assess the Performance of Regional Climate Models in a Semi-Arid Watershed in Brazil. <i>Water (Switzerland)</i> , 2019, 11, 170.	1.2	21
3082	Improvement of a simplified process-based model for estimating transpiration under water-limited conditions. <i>Hydrological Processes</i> , 2019, 33, 1670-1685.	1.1	18
3083	Comparison of abstraction scenarios simulated by SWAT and SWAT-MODFLOW. <i>Hydrological Sciences Journal</i> , 2019, 64, 434-454.	1.2	57
3084	Modeling Connectivity of Non-floodplain Wetlands: Insights, Approaches, and Recommendations. <i>Journal of the American Water Resources Association</i> , 2019, 55, 559-577.	1.0	26
3085	A tool for the selection and implementation of eco-remediation mitigation measures. <i>Ecological Engineering</i> , 2019, 130, 53-66.	1.6	4
3086	Assessment of site-specific agricultural Best Management Practices in the Upper East River watershed, Wisconsin, using a field-scale SWAT model. <i>Journal of Great Lakes Research</i> , 2019, 45, 619-641.	0.8	32
3087	Multi-site calibration and validation of SWAT with satellite-based evapotranspiration in a data-sparse catchment in southwestern Nigeria. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1113-1144.	1.9	77
3088	Introduction to Model Engineering for Simulation. , 2019, , 1-23.		6
3089	Modeling the impacts of agricultural management strategies on crop yields and sediment yields using APEX in Guizhou Plateau, southwest China. <i>Agricultural Water Management</i> , 2019, 216, 325-338.	2.4	17
3090	Curve Number Estimation of Ungauged Catchments considering Characteristics of Rainfall and Catchment. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 1881-1890.	0.9	3
3091	Improving sustainability of urban drainage systems for climate change adaptation using best management practices: a case study of Tehran, Iran. <i>Hydrological Sciences Journal</i> , 2019, 64, 381-404.	1.2	28
3092	Hydrological modelling uncertainty analysis for different flow quantiles: a case study in two hydro-geographically different watersheds. <i>Hydrological Sciences Journal</i> , 2019, 64, 473-489.	1.2	21
3093	On the correlation between precipitation and potential evapotranspiration climate change signals for hydrological impact analyses. <i>Hydrological Sciences Journal</i> , 2019, 64, 420-433.	1.2	2
3094	Integration of SWAT and HSPF for Simulation of Sediment Sources in Legacy Sediment-Impacted Agricultural Watersheds. <i>Journal of the American Water Resources Association</i> , 2019, 55, 497-510.	1.0	12
3095	High accuracy of precipitation reanalyses resulted in good river discharge simulations in a semi-arid basin. <i>Ecological Engineering</i> , 2019, 131, 107-119.	1.6	44

#	ARTICLE	IF	CITATIONS
3096	Simulating the influence of integrated crop-livestock systems on water yield at watershed scale. <i>Journal of Environmental Management</i> , 2019, 239, 385-394.	3.8	11
3097	Improving hydrological simulation in the Upper Mississippi River Basin through enhanced freeze-thaw cycle representation. <i>Journal of Hydrology</i> , 2019, 571, 605-618.	2.3	28
3098	Nitrate transport in a karst aquifer: Numerical model development and source evaluation. <i>Journal of Hydrology</i> , 2019, 573, 432-448.	2.3	28
3099	The impacts of commercial plantation forests on groundwater recharge: A case study from George (Western Cape, South Africa). <i>Physics and Chemistry of the Earth</i> , 2019, 112, 187-199.	1.2	2
3100	Diagnostic Evaluation of Hydrologic Models Employing Flow Duration Curve. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05019009.	0.8	5
3101	Evaporation modelling by heuristic regression approaches using only temperature data. <i>Hydrological Sciences Journal</i> , 2019, 64, 653-672.	1.2	41
3102	Integration of SWAT and QUAL2K for water quality modeling in a data scarce basin of Cau River basin in Vietnam. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 210-223.	1.0	40
3103	A Set of Satellite-Based Near Real-Time Meteorological Drought Monitoring Data over China. <i>Remote Sensing</i> , 2019, 11, 453.	1.8	10
3104	Urbanization and Industrial Transformation for Improved Water Management. <i>Ecohydrology</i> , 2019, , 61-89.	0.2	3
3105	Modelling root system development for anchorage of forest trees up to the mature stage, including acclimation to soil constraints: the case of <i>Pinus pinaster</i> . <i>Plant and Soil</i> , 2019, 439, 405-430.	1.8	15
3106	Uncertainty in simulation of land-use change impacts on catchment runoff with multi-timescales based on the comparison of the HSPF and SWAT models. <i>Journal of Hydrology</i> , 2019, 573, 486-500.	2.3	74
3107	Field Studies and 3D Modelling of Morphodynamics in a Meandering River Reach Dominated by Tides and Suspended Load. <i>Fluids</i> , 2019, 4, 15.	0.8	11
3108	Hydrological Responses to Climate and Land Use Changes in a Watershed of the Loess Plateau, China. <i>Sustainability</i> , 2019, 11, 1443.	1.6	31
3109	Impacts of urban water consumption under climate change: An adaptation measure of rainwater harvesting system. <i>Journal of Hydrology</i> , 2019, 572, 160-168.	2.3	12
3110	Streamflow Forecasting Using Singular Value Decomposition and Support Vector Machine for the Upper Rio Grande River Basin. <i>Journal of the American Water Resources Association</i> , 2019, 55, 680-699.	1.0	9
3111	Modeling the influence of forest cover on streamflows by different approaches. <i>Catena</i> , 2019, 178, 49-58.	2.2	23
3112	Development of multivariate adaptive regression spline integrated with differential evolution model for streamflow simulation. <i>Journal of Hydrology</i> , 2019, 573, 1-12.	2.3	120
3113	A comprehensive sensitivity and uncertainty analysis for discharge and nitrate-nitrogen loads involving multiple discrete model inputs under future changing conditions. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1211-1244.	1.9	24

#	ARTICLE	IF	CITATIONS
3114	Probabilistic Characterization of Rock Mass from Limited Laboratory Tests and Field Data: Associated Reliability Analysis and Its Interpretation. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 2985-3001.	2.6	22
3115	Investigating maize subirrigation strategies for three northwest Ohio soils. <i>Journal of Soils and Water Conservation</i> , 2019, 74, 111-125.	0.8	4
3116	On the accuracy of crop production and water requirement calculations: Process-based crop modeling at daily, semi-weekly, and weekly time steps for integrated assessments. <i>Journal of Environmental Management</i> , 2019, 238, 460-472.	3.8	9
3117	Water security in high mountain cities of the Andes under a growing population and climate change: A case study of La Paz and El Alto, Bolivia. <i>Water Security</i> , 2019, 6, 100025.	1.2	17
3118	Modeling Spatial and Temporal Variation in Natural Background Specific Conductivity. <i>Environmental Science & Technology</i> , 2019, 53, 4316-4325.	4.6	14
3119	Estimating Deep Drainage Using Deep Soil Moisture Data under Young Irrigated Cropland in a Desert Oasis Ecotone, Northwest China. <i>Vadose Zone Journal</i> , 2019, 18, 1-10.	1.3	14
3120	Climate Change Impacts on Drought-Flood Abrupt Alternation and Water Quality in the Hetao Area, China. <i>Water (Switzerland)</i> , 2019, 11, 652.	1.2	25
3121	The potential of novel data mining models for global solar radiation prediction. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7147-7164.	1.8	81
3122	Expanding Rubber Plantations in Southern China: Evidence for Hydrological Impacts. <i>Water (Switzerland)</i> , 2019, 11, 651.	1.2	12
3123	Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. <i>Energies</i> , 2019, 12, 1365.	1.6	16
3124	CMADS-Driven Simulation and Analysis of Reservoir Impacts on the Streamflow with a Simple Statistical Approach. <i>Water (Switzerland)</i> , 2019, 11, 178.	1.2	11
3125	Development of a process-based simulation model of camelina seed and oil production: A case study in Northern Italy. <i>Industrial Crops and Products</i> , 2019, 134, 234-243.	2.5	9
3126	Projected heat stress challenges and abatement opportunities for U.S. milk production. <i>PLoS ONE</i> , 2019, 14, e0214665.	1.1	39
3127	Assessment of sediment and organic carbon exports into the Arctic ocean: The case of the Yenisei River basin. <i>Water Research</i> , 2019, 158, 118-135.	5.3	46
3128	Estimation of soil subsurface hydraulic conductivity based on inverse modelling and soil morphology. <i>Journal of Hydrology</i> , 2019, 574, 373-382.	2.3	22
3129	Identification of critical watershed using hydrological model and drought indices: a case study of upper Girna, Maharashtra, India. <i>ISH Journal of Hydraulic Engineering</i> , 2019, , 1-12.	1.1	4
3130	Improving grey water footprint assessment: Accounting for uncertainty. <i>Ecological Indicators</i> , 2019, 102, 822-833.	2.6	37
3131	The comprehensive differential split-sample test: A stress-test for hydrological model robustness under climate variability. <i>Journal of Hydrology</i> , 2019, 573, 501-515.	2.3	40

#	ARTICLE	IF	CITATIONS
3132	Hydrologic responses to projected climate change in ecologically diverse watersheds of the Gulf Coast, United States. <i>International Journal of Climatology</i> , 2019, 39, 2227-2243.	1.5	11
3133	Flood damage assessment on rice crop in the Stung Sen River Basin of Cambodia. <i>Paddy and Water Environment</i> , 2019, 17, 255-263.	1.0	15
3134	Simulation of cotton growth and soil water content under film-mulched drip irrigation using modified CSM-CROPGRO-cotton model. <i>Agricultural Water Management</i> , 2019, 218, 124-138.	2.4	52
3135	Enhanced field-scale characterization for watershed erosion assessments. <i>Environmental Modelling and Software</i> , 2019, 117, 134-148.	1.9	7
3136	Distributed Hydrological Modeling Framework for Quantitative and Spatial Bias Correction for Rainfall, Snowfall, and Mixed-Phase Precipitation Using Vertical Profile of Temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4985-5009.	1.2	9
3137	Identification of Critical Source Areas (CSAs) and Evaluation of Best Management Practices (BMPs) in Controlling Eutrophication in the Dez River Basin. <i>Environments - MDPI</i> , 2019, 6, 20.	1.5	25
3138	Water Quality Modeling of Mahabad Dam Watershed Reservoir System under Climate Change Conditions, Using SWAT and System Dynamics. <i>Water (Switzerland)</i> , 2019, 11, 394.	1.2	63
3139	Identification of Nutrients Critical Source Areas with SWAT Model under Limited Data Condition. <i>Water Resources</i> , 2019, 46, 128-137.	0.3	13
3140	Application of HEC-HMS Model for Flow Simulation in the Lake Tana Basin: The Case of Gilgel Abay Catchment, Upper Blue Nile Basin, Ethiopia. <i>Hydrology</i> , 2019, 6, 21.	1.3	88
3141	Verification Metrics for Hydrological Ensemble Forecasts. , 2019, , 893-922.		8
3142	The effects of climate change on groundwater recharge for different soil types of the west shore of Lake Urmia Iran. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	7
3143	Valuing water quality change using a coupled economic-hydrological model. <i>Ecological Economics</i> , 2019, 161, 32-40.	2.9	18
3144	Evaluating the hydrological utility of latest IMERG products over the Upper Huaihe River Basin, China. <i>Atmospheric Research</i> , 2019, 225, 17-29.	1.8	62
3145	Uncertainty in hydrological analysis of climate change: multi-parameter vs. multi-GCM ensemble predictions. <i>Scientific Reports</i> , 2019, 9, 4974.	1.6	152
3146	Biochar Amendment Affects Soil Water and CO ₂ Regime during Capsicum Annuum Plant Growth. <i>Agronomy</i> , 2019, 9, 58.	1.3	12
3147	The accuracy of ecological flow metrics derived using a physics-based distributed rainfall-runoff model in the Great Plains, USA. <i>Ecohydrology</i> , 2019, 12, e2090.	1.1	5
3148	Assessing future water-sediment interaction and critical area prioritization at sub-watershed level for sustainable management. <i>Paddy and Water Environment</i> , 2019, 17, 373-382.	1.0	22
3149	A physically based model for mesoscale SuDS an alternative to large-scale urban drainage simulations. <i>Journal of Environmental Management</i> , 2019, 240, 527-536.	3.8	6

#	ARTICLE	IF	CITATIONS
3150	Modelling the simultaneous effects of organic carbon and ammonium on two-step nitrification within a downward flow biofilm reactor. <i>Chemical Engineering Research and Design</i> , 2019, 125, 251-259.	2.7	10
3151	Evaluating the Responses of Streamflow under Future Climate Change Scenarios in a Western Indian Himalaya Watershed. <i>Environmental Processes</i> , 2019, 6, 155-174.	1.7	25
3152	Valuation of ecosystem services in alternative bioenergy landscape scenarios. <i>GCB Bioenergy</i> , 2019, 11, 748-762.	2.5	37
3153	A simplified hindcast method for the estimation of extreme storm surge events in semi-enclosed basins. <i>Applied Ocean Research</i> , 2019, 85, 45-52.	1.8	28
3154	Suspended sediment load prediction using non-dominated sorting genetic algorithm II. <i>International Soil and Water Conservation Research</i> , 2019, 7, 119-129.	3.0	15
3155	Estimation of Water Budget Components of the Sakarya River Basin by Using the WEAP-PGM Model. <i>Water (Switzerland)</i> , 2019, 11, 271.	1.2	20
3156	Modeling ammonia volatilization following urea application to winter cereal fields in the United Kingdom by a revised biogeochemical model. <i>Science of the Total Environment</i> , 2019, 660, 1403-1418.	3.9	35
3157	Climate Change Impact on Flood Frequency and Source Area in Northern Iran under CMIP5 Scenarios. <i>Water (Switzerland)</i> , 2019, 11, 273.	1.2	61
3158	The Effects of Land Use and Climate Change on the Water Yield of a Watershed in Colombia. <i>Water (Switzerland)</i> , 2019, 11, 285.	1.2	10
3159	HSPF-based watershed-scale water quality modeling and uncertainty analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8971-8991.	2.7	7
3160	Comparison of two receptor models PCA-MLR and PMF for source identification and apportionment of pollution carried by runoff from catchment and sub-watershed areas with mixed land cover in South Korea. <i>Science of the Total Environment</i> , 2019, 663, 764-775.	3.9	112
3161	A comparative study of conceptual rainfall-runoff models GR4J, AWBM and Sacramento at catchments in the upper Godavari river basin, India. <i>Journal of Earth System Science</i> , 2019, 128, 1.	0.6	35
3162	High-resolution flood hazard mapping based on nonstationary frequency analysis: case study of Ho Chi Minh City, Vietnam. <i>Hydrological Sciences Journal</i> , 2019, 64, 318-335.	1.2	20
3163	Enhancing the capability of hydrological models to simulate the regional agro-hydrological processes in watersheds with shallow groundwater: Based on the SWAT framework. <i>Journal of Hydrology</i> , 2019, 572, 1-16.	2.3	24
3164	Comparing Watershed Scale P Losses from Manure Spreading in Temperate Climates across Mechanistic Soil P Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 04019009.	0.8	4
3165	Is equatorial Africa getting wetter or drier? Insights from an evaluation of long-term, satellite-based rainfall estimates for western Uganda. <i>International Journal of Climatology</i> , 2019, 39, 3334-3347.	1.5	21
3166	Validation of agronomic UAV and field measurements for tomato varieties. <i>Computers and Electronics in Agriculture</i> , 2019, 158, 278-283.	3.7	44
3167	Nitrate Pathways, Processes, and Timing in an Agricultural Karst System: Development and Application of a Numerical Model. <i>Water Resources Research</i> , 2019, 55, 2079-2103.	1.7	54

#	ARTICLE	IF	CITATIONS
3168	A Spatial Analysis to Define Data Requirements for Hydrological and Water Quality Models in Data-Limited Regions. <i>Water (Switzerland)</i> , 2019, 11, 267.	1.2	10
3169	Parameter Optimization of KINEROS2 Using Particle Swarm Optimization Algorithm Within R Environment for Rainfall-Runoff Simulation. , 2019, , 117-146.		3
3170	Climate change impact on regional floods in the Carpathian region. <i>Journal of Hydrology: Regional Studies</i> , 2019, 22, 100590.	1.0	48
3171	Evaluation of the effectiveness of green infrastructure on hydrology and water quality in a combined sewer overflow community. <i>Science of the Total Environment</i> , 2019, 665, 69-79.	3.9	48
3172	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.	1.3	15
3173	Beyond Classical Observations in Hydrogeology: The Advantages of Including Exchange Flux, Temperature, Tracer Concentration, Residence Time, and Soil Moisture Observations in Groundwater Model Calibration. <i>Reviews of Geophysics</i> , 2019, 57, 146-182.	9.0	75
3174	Modeling of GRACE-Derived Groundwater Information in the Colorado River Basin. <i>Hydrology</i> , 2019, 6, 19.	1.3	43
3175	Isohyetal Maps of Daily Maximum Rainfall for Different Return Periods for the Colombian Caribbean Region. <i>Water (Switzerland)</i> , 2019, 11, 358.	1.2	18
3176	Classification and weighing of sweet lime (<i>Citrus limetta</i>) for packaging using computer vision system. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 1451-1468.	1.6	12
3177	Spatial and temporal distribution of blue water in the Limpopo River Basin, Southern Africa: A case study. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 252-265.	1.0	13
3178	Wetland loss impact on long term flood risks in a closed watershed. <i>Environmental Science and Policy</i> , 2019, 94, 112-122.	2.4	25
3179	On the role of spatial resolution on snow estimates using a process-based snow model across a range of climatology and elevation. <i>Hydrological Processes</i> , 2019, 33, 1260-1275.	1.1	6
3180	Modeling the Effects of Anthropogenic Land Cover Changes to the Main Hydrometeorological Factors in a Regional Watershed, Central Greece. <i>Climate</i> , 2019, 7, 129.	1.2	17
3181	Analysis of the Behavior of Daily Maximum Rainfall within the Department of Atlántico, Colombia. <i>Water (Switzerland)</i> , 2019, 11, 2453.	1.2	1
3182	Agricultural Best Management Practice Sensitivity to Changing Air Temperature and Precipitation. <i>Transactions of the ASABE</i> , 2019, 62, 1021-1033.	1.1	5
3183	Advances in Quantifying Streamflow Variability Across Continental Scales: 1. Identifying Natural and Anthropogenic Controlling Factors in the USA Using a Spatially Explicit Modeling Method. <i>Water Resources Research</i> , 2019, 55, 10893-10917.	1.7	7
3184	Assessing the Expected Impact of Climate Change on Nitrate Load in a Small Atlantic Agro-Forested Catchment. , 0, , .		1
3185	Assessing Future Impacts of Climate Change on Water Supply System Performance: Application to the Pozzillo Reservoir in Sicily, Italy. <i>Water (Switzerland)</i> , 2019, 11, 2531.	1.2	15

#	ARTICLE	IF	CITATIONS
3186	Assessing the Impact of Storm Drains at Road Embankments on Diffuse Particulate Phosphorus Emissions in Agricultural Catchments. <i>Water (Switzerland)</i> , 2019, 11, 2161.	1.2	4
3187	A Formulation of the Thrust Coefficient for Representing Finite-Sized Farms of Tidal Energy Converters. <i>Energies</i> , 2019, 12, 3861.	1.6	4
3188	Spatial Variation Pattern Analysis of Hydrologic Processes and Water Quality in Three Gorges Reservoir Area. <i>Water (Switzerland)</i> , 2019, 11, 2608.	1.2	12
3189	Long-Term Variation of Runoff Coefficient during Dry and Wet Seasons Due to Climate Change. <i>Water (Switzerland)</i> , 2019, 11, 2411.	1.2	5
3190	Regionalization of a Rainfall-Runoff Model: Limitations and Potentials. <i>Water (Switzerland)</i> , 2019, 11, 2257.	1.2	18
3191	Modeling Hydrological Response to Climate Change in a Data-Scarce Glacierized High Mountain Astore Basin Using a Fully Distributed TOPKAPI Model. <i>Climate</i> , 2019, 7, 127.	1.2	5
3192	Lessons from Assessing Uncertainty in Agricultural Water Supply Estimation for Sustainable Rice Production. <i>Agronomy</i> , 2019, 9, 662.	1.3	9
3193	Using WaTEM/SEDEM and HEC-HMS models for the simulation of episodic hydrological and erosion events in a small agricultural catchment. <i>Soil and Water Research</i> , 2020, 15, 18-29.	0.7	4
3194	A Modified IHACRES Rainfall-Runoff Model for Predicting Hydrologic Response of a River Basin System with a Relevant Groundwater Component. <i>Proceedings (mdpi)</i> , 2019, 7, 24.	0.2	2
3195	Application and Evaluation of the China Meteorological Assimilation Driving Datasets for the SWAT Model (CMADS) in Poorly Gauged Regions in Western China. <i>Water (Switzerland)</i> , 2019, 11, 2171.	1.2	18
3196	Applicability and consequences of the integration of alternative models for CO ₂ transfer velocity into a process-based lake model. <i>Biogeosciences</i> , 2019, 16, 3297-3317.	1.3	5
3197	Technical note: Inherent benchmark or not? Comparing Nash-Sutcliffe and Kling-Gupta efficiency scores. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4323-4331.	1.9	582
3198	Scalable Flux Metrics at the Channel-Floodplain Interface as Indicators of Lateral Surface Connectivity During Flood Events. <i>Water Resources Research</i> , 2019, 55, 9788-9807.	1.7	6
3199	Hydrodynamic simulation of the effects of stable in-channel large wood on the flood hydrographs of a low mountain range creek, Ore Mountains, Germany. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4349-4365.	1.9	7
3200	Modeling of runoff water and runoff pesticide concentrations in upland bare soil using improved SPEC model. <i>Journal of Pesticide Sciences</i> , 2019, 44, 148-155.	0.8	2
3201	Measurement of Data Consumer Satisfaction with Data Quality for Improvement of Data Utilization. , 2019, , .		0
3202	Growth, Critical N Concentration and Crop N Demand in Butterhead and Crisphead Lettuce Grown under Mediterranean Conditions. <i>Agronomy</i> , 2019, 9, 681.	1.3	11
3203	Investigation of New Tsallis-Based Equation to Predict Shear Stress Distribution in Circular and Trapezoidal Channels. <i>Entropy</i> , 2019, 21, 1046.	1.1	9

#	ARTICLE	IF	CITATIONS
3204	Effect of watershed subdivision and estimation of climatic variables on hydrological simulation with the swat model in semi-arid mediterranean basins. Papeles De GeografÃa, 2019, , 114-133.	0.1	0
3205	Prediction of Surface Runoff and Erosion by Hydrological SWAT Model in Sumpur Watershed, West Sumatra. IOP Conference Series: Earth and Environmental Science, 2019, 347, 012112.	0.2	2
3206	A Comparison of Methods for Calculating Monthly Flows on Small Catchments. IOP Conference Series: Earth and Environmental Science, 2019, 362, 012102.	0.2	0
3207	Soil Water Analysis Tools (SWAT) hydrology modelling as a basis for spatial planning: a case study in Cimandiri Watershed, West Java Province. IOP Conference Series: Earth and Environmental Science, 2019, 380, 012017.	0.2	2
3208	Research on the Water Diversion Ratio Characteristics of the Plain River Network--A Case Study of the Channel in Zhangjiagang. IOP Conference Series: Earth and Environmental Science, 2019, 384, 012190.	0.2	0
3209	Determining the stock status of snapper (Lutjanussp.) using surplus production model: a case study in Banyuasin coastal waters, South Sumatra, Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 404, 012009.	0.2	2
3210	Deriving the Reservoir Conditions for Better Water Resource Management Using Satellite-Based Earth Observations in the Lower Mekong River Basin. Remote Sensing, 2019, 11, 2872.	1.8	14
3211	Evaluation of Satellite and Reanalysis Precipitation Products Using GIS for All Basins in Turkey. Advances in Meteorology, 2019, 2019, 1-11.	0.6	15
3212	Application of Semi-Empirical Ventilation Models in A Mediterranean Greenhouse with Opposing Thermal and Wind Effects. Use of Non-Constant Cd (Pressure Drop Coefficient Through the Vents) and Cw (Wind Effect Coefficient). Agronomy, 2019, 9, 736.	1.3	6
3213	Quantifying hydrologic alteration in an area lacking current reference conditionsâ€”The Mississippi alluvial plain of the southâ€¢entral United States. River Research and Applications, 2019, 35, 553.	0.7	2
3214	The Runoff Evolution and the Differences Analysis of the Causes of Runoff Change in Different Regions: A Case of the Weihe River Basin, Northern China. Sustainability, 2019, 11, 5295.	1.6	5
3215	Application of Satellite Rainfall Products for Flood Inundation Modelling in Kelantan River Basin, Malaysia. Hydrology, 2019, 6, 95.	1.3	17
3216	Impact of Climate and Land Use Change on Streamflow and Sediment Yield in a Snowâ€¢ominated Semiarid Mountainous Watershed. Journal of the American Water Resources Association, 2019, 55, 1540-1563.	1.0	4
3217	Dynamics of Measured and Simulated Dissolved Phosphorus in Runoff from Winterâ€¢Applied Dairy Manure. Journal of Environmental Quality, 2019, 48, 899-906.	1.0	12
3218	Assessing the Impact of CFSR and Local Climate Datasets on Hydrological Modeling Performance in the Mountainous Black Sea Catchment. Water (Switzerland), 2019, 11, 2277.	1.2	10
3219	Effects of area threshold values and stream burn-in process on runoff and sediment yield using QSWAT model. ISH Journal of Hydraulic Engineering, 2022, 28, 40-48.	1.1	6
3220	Impact assessment of climate change on environmental flow component and water temperatureâ€¢Kikuchi River. Journal of Ecohydraulics, 2019, 4, 88-105.	1.6	8
3221	Impact of Climate Change on Water Balance Components and Droughts in the Guajoyo River Basin (El) Tj ETQq1 1 0,784314,rgBT /Over	1.2	26

#	ARTICLE	IF	CITATIONS
3222	Hybrid climate datasets from a climate data evaluation system and their impacts on hydrologic simulations for the Athabasca River basin in Canada. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 5151-5173.	1.9	14
3223	Improvement of the K-Factor of USLE and Soil Erosion Estimation in Shihmen Reservoir Watershed. <i>Sustainability</i> , 2019, 11, 355.	1.6	24
3224	Understanding Reservoir Operating Rules in the Transboundary Nile River Basin Using Macroscale Hydrologic Modeling with Satellite Measurements. <i>Journal of Hydrometeorology</i> , 2019, 20, 2253-2269.	0.7	35
3225	Climate Change Impact Assessment on Freshwater Inflow into the Small Aral Sea. <i>Water (Switzerland)</i> , 2019, 11, 2377.	1.2	18
3226	Modeling Hydrological Responses to Land Use Dynamics, Choke, Ethiopia. <i>Water Conservation Science and Engineering</i> , 2019, 4, 201-212.	0.9	12
3227	Existing Accessible Modeling Tools Offer Limited Support to Evaluation of Impact Investment in Rangeland Ecosystem Services. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	1
3228	Modeling Water and Nitrogen Balance of Different Cropping Systems in the North China Plain. <i>Agronomy</i> , 2019, 9, 696.	1.3	18
3229	Assessing the impacts of hydrologic and land use alterations on water temperature in the Farmington River basin in Connecticut. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4491-4508.	1.9	18
3230	Evaluating and Predicting the Effects of Land Use Changes on Water Quality Using SWAT and CAâ€“Markov Models. <i>Water Resources Management</i> , 2019, 33, 4923-4938.	1.9	28
3231	Assessment of climate change impact and difference on the river runoff in four basins in China under 1.5 and 2.0â€“C global warming. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4219-4231.	1.9	9
3232	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. <i>Journal of Hydrology: Regional Studies</i> , 2019, 26, 100640.	1.0	53
3233	Variations in the Distribution of Chl-a and Simulation Using a Multiple Regression Model. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4553.	1.2	5
3234	How Temperature Sensor Change Affects Warming Trends and Modeling: An Evaluation Across the State of Colorado. <i>Water Resources Research</i> , 2019, 55, 9748-9764.	1.7	17
3235	River Discharge Simulation in the High Andes of Southern Ecuador Using High-Resolution Radar Observations and Meteorological Station Data. <i>Remote Sensing</i> , 2019, 11, 2804.	1.8	10
3236	Modeling and Mitigating Phosphorus Losses from a Tileâ€“Drained and Manured Field Using RZWQM2â€“. <i>Journal of Environmental Quality</i> , 2019, 48, 995-1005.	1.0	13
3237	The Temporal Variability of Rainfall and Streamflow into Lake Nakuru, Kenya, Assessed Using SWAT and Hydrometeorological Indices. <i>Hydrology</i> , 2019, 6, 88.	1.3	14
3238	Spatial Downscaling of GRACE TWSA Data to Identify Spatiotemporal Groundwater Level Trends in the Upper Floridan Aquifer, Georgia, USA. <i>Remote Sensing</i> , 2019, 11, 2756.	1.8	34
3239	Effects of Residue Cover on Infiltration Process of the Black Soil Under Rainfall Simulations. <i>Water (Switzerland)</i> , 2019, 11, 2593.	1.2	3

#	ARTICLE	IF	CITATIONS
3240	A Modified <i>la-S</i> Relationship Improves Runoff Prediction of the USDA-NRCS Curve Number Model. <i>Transactions of the ASABE</i> , 2019, 62, 771-778.	1.1	3
3241	Impact of the Grand Ethiopian Renaissance Dam (GERD) and climate change on water availability in Sudan. , 2019, , 137-149.		1
3242	In vivo pressure gradient heterogeneity increases flow contribution of small diameter vessels in grapevine. <i>Nature Communications</i> , 2019, 10, 5645.	5.8	41
3243	Assessment of prediction performances of stochastic and conceptual hydrological models: monthly stream flow prediction in northwestern Algeria. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	6
3244	Towards an automatic early warning system of flood hazards based on precipitation forecast: the case of the MiÅ±o RiverÅ(NW Spain). <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 2583-2595.	1.5	19
3245	Investigating Spatial and Temporal Variation of Hydrological Processes in Western China Driven by CMADS. <i>Water (Switzerland)</i> , 2019, 11, 435.	1.2	10
3246	Experimental and Numerical Study on the Effect of the Temperature-Control Curtain in Thermal Stratified Reservoirs. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5354.	1.3	8
3247	Thermal, Moisture, and Solute Transport Responses Effects on Unsaturated Soil Hydraulic Parameters Estimation. <i>Water Resources Research</i> , 2019, 55, 11225-11249.	1.7	6
3248	<i>Towards improving the DNDC model for simulating soil hydrology and tile drainage</i>. , 2019, , .		0
3249	Determination of Uplift Capacity of Suction Caisson Using Gaussian Process Regression, Minimax Probability Machine Regression and Extreme Learning Machine. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 651-657.	1.0	13
3250	Climate Change Impact Assessment on Blue and Green Water by Coupling of Representative CMIP5 Climate Models with Physical Based Hydrological Model. <i>Water Resources Management</i> , 2019, 33, 141-158.	1.9	48
3251	Influence of land cover data sources on estimation of direct runoff according to SCS-CN and modified SME methods. <i>Catena</i> , 2019, 172, 232-242.	2.2	37
3252	Evaluation of different large-scale predictor-based statistical downscaling models in simulating zone-wise monsoon precipitation over India. <i>International Journal of Climatology</i> , 2019, 39, 465-482.	1.5	13
3253	Identifying optimal water and nitrogen inputs for high efficiency and low environment impacts of a greenhouse summer cucumber with a model method. <i>Agricultural Water Management</i> , 2019, 212, 23-34.	2.4	28
3254	Relationship between background invertebrate drift concentration and flow over natural flow recession and prediction with a drift transport model. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 871-885.	0.7	8
3255	Simulation of regional irrigation requirement with SWAT in different agro-climatic zones driven by observed climate and two reanalysis datasets. <i>Science of the Total Environment</i> , 2019, 649, 846-865.	3.9	39
3256	Rainfall and groundwater use in rural Kenya. <i>Science of the Total Environment</i> , 2019, 649, 722-730.	3.9	63
3257	Evaluation of AccuPAR LP 80 in Estimating Leaf Area Index of Soybeans Canopy in Ile-Ife, Nigeria. <i>Agricultural Research</i> , 2019, 8, 297-308.	0.9	3

#	ARTICLE	IF	CITATIONS
3258	An accurate evaluation of water availability in sub-arid Mediterranean watersheds through SWAT: Cega-Eresma-Adaja. <i>Agricultural Water Management</i> , 2019, 212, 211-225.	2.4	45
3259	Hydrological response of Chamelia watershed in Mahakali Basin to climate change. <i>Science of the Total Environment</i> , 2019, 650, 365-383.	3.9	60
3260	Estimating the Sediment Flux and Budget for a Data Limited Rift Valley Lake in Ethiopia. <i>Hydrology</i> , 2019, 6, 1.	1.3	43
3261	Forecast of Daily Reference Evapotranspiration Using a Modified Daily Thornthwaite Equation and Temperature Forecasts. <i>Irrigation and Drainage</i> , 2019, 68, 297-317.	0.8	14
3262	Evaluating the influence of climate change on the fate and transport of fecal coliform bacteria using the modified SWAT model. <i>Science of the Total Environment</i> , 2019, 658, 753-762.	3.9	39
3263	Impact of model structure on the accuracy of hydrological modeling of a Canadian Prairie watershed. <i>Journal of Hydrology: Regional Studies</i> , 2019, 21, 40-56.	1.0	29
3264	Toward a combined Bayesian frameworks to quantify parameter uncertainty in a large mountainous catchment with high spatial variability. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 23.	1.3	14
3265	Modeling growth, development and yield of Sugarbeet using DSSAT. <i>Agricultural Systems</i> , 2019, 169, 58-70.	3.2	18
3266	Equilibrium sediment exchange in the earth's critical zone: evidence from sediment fingerprinting with stable isotopes and watershed modeling. <i>Journal of Soils and Sediments</i> , 2019, 19, 3332-3356.	1.5	17
3267	The employment of polynomial chaos expansion approach for modeling dissolved oxygen concentration in river. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	16
3268	Environmental factors influencing snowfall and snowfall prediction in the Tianshan Mountains, Northwest China. <i>Journal of Arid Land</i> , 2019, 11, 15-28.	0.9	17
3269	Modeling of river discharge in the Firozabad watershed using soil and water assessment tool model. <i>International Journal of Energy and Water Resources</i> , 2019, 3, 13-21.	1.3	0
3270	Optimized sowing time windows mitigate climate risks for oats production under cool semi-arid growing conditions. <i>Agricultural and Forest Meteorology</i> , 2019, 266-267, 184-197.	1.9	24
3271	SWAT model uncertainties and cumulative probability for decreased phosphorus loading by agricultural Best Management Practices. <i>Catena</i> , 2019, 175, 154-166.	2.2	17
3272	A review of catchment-scale water quality and erosion models and a synthesis of future prospects. <i>Environmental Modelling and Software</i> , 2019, 114, 75-97.	1.9	142
3273	Relative contribution of climate variability and human activities on the water loss of the Chari/Logone River discharge into Lake Chad: A conceptual and statistical approach. <i>Journal of Hydrology</i> , 2019, 569, 519-531.	2.3	38
3274	Impact of antecedent soil moisture on runoff from a semiarid catchment. <i>Journal of Hydrology</i> , 2019, 569, 627-636.	2.3	39
3275	Hydrological evaluation of open-access precipitation and air temperature datasets using SWAT in a poorly gauged basin in Ethiopia. <i>Journal of Hydrology</i> , 2019, 569, 612-626.	2.3	95

#	ARTICLE	IF	CITATIONS
3276	Identifying multiple stressors that influence eutrophication in a Finnish agricultural river. <i>Science of the Total Environment</i> , 2019, 658, 1278-1292.	3.9	27
3277	Evaluation of Satellite and Gauge-Based Precipitation Products through Hydrologic Simulation in Tigris River Basin under Data-Scarce Environment. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05018033.	0.8	10
3278	Evaluation of SWAT Impoundment Modeling Methods in Water and Sediment Simulations. <i>Journal of the American Water Resources Association</i> , 2019, 55, 209-227.	1.0	23
3279	Macro-scale grid-based and subbasin-based hydrologic modeling: joint simulation and cross-calibration. <i>Journal of Hydroinformatics</i> , 2019, 21, 77-91.	1.1	10
3280	Spatial and Temporal Variability in Hydrological Responses of the Upper Blue Nile basin, Ethiopia. <i>Water (Switzerland)</i> , 2019, 11, 21.	1.2	17
3281	A modelling approach to assess the impact of land mining on marine biodiversity: Assessment in coastal catchments experiencing catastrophic events (SW Brazil). <i>Science of the Total Environment</i> , 2019, 659, 828-840.	3.9	82
3282	Assessment of Water Quality Improvement Schemes for a Complex River Network: A Case Study of Wenling. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1800008.	0.7	4
3283	Assessing the contribution of different uncertainty sources in streamflow projections. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1289-1303.	1.3	22
3284	Evaluation of AquaCrop model simulations of cotton growth under deficit irrigation with an emphasis on root growth and water extraction patterns. <i>Agricultural Water Management</i> , 2019, 213, 419-432.	2.4	28
3285	Characterization of resilient mounts for marine diesel engines: Prediction of static response via nonlinear analysis and response surface methodology. <i>Ocean Engineering</i> , 2019, 171, 14-24.	1.9	6
3286	Mass estimation of mango fruits (<i>Mangifera indica</i> L., cv. "Nam Dokmai"™) by linking image processing and artificial neural network. <i>Engineering in Agriculture, Environment and Food</i> , 2019, 12, 103-110.	0.2	27
3287	Modeling the impacts of climate change on the thermal and oxygen dynamics of Lake Volta. <i>Journal of Great Lakes Research</i> , 2019, 45, 73-86.	0.8	15
3288	Virtual water quality monitoring at inactive monitoring sites using Monte Carlo optimized artificial neural networks: A case study of Danube River (Serbia). <i>Science of the Total Environment</i> , 2019, 654, 1000-1009.	3.9	25
3289	Prediction of maximum permeate flux (%) of disc membrane using response surface methodology (RSM). <i>Canadian Journal of Civil Engineering</i> , 2019, 46, 299-307.	0.7	7
3290	ANN-based statistical downscaling of climatic parameters using decision tree predictor screening method. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1729-1746.	1.3	58
3291	Developing air exchange rate models by evaluating vehicle in-cabin air pollutant exposures in a highway and tunnel setting: case study of Tehran, Iran. <i>Environmental Science and Pollution Research</i> , 2019, 26, 501-513.	2.7	20
3292	Modelling the impact of land use management on water resources in a tropical inland valley catchment of central Uganda, East Africa. <i>Science of the Total Environment</i> , 2019, 653, 1052-1066.	3.9	18
3293	Spatial distribution of soil moisture estimates using a multiple linear regression model and Korean geostationary satellite (COMS) data. <i>Agricultural Water Management</i> , 2019, 213, 580-593.	2.4	26

#	ARTICLE	IF	CITATIONS
3294	Examining the applicability of different sampling techniques in the development of decomposition-based streamflow forecasting models. <i>Journal of Hydrology</i> , 2019, 568, 534-550.	2.3	91
3295	Effects of Slope Magnitude and Length on SWAT Baseflow Estimation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, 04018037.	0.6	1
3296	The potential of hybrid evolutionary fuzzy intelligence model for suspended sediment concentration prediction. <i>Catena</i> , 2019, 174, 11-23.	2.2	82
3297	Electrocatalysts with Increased Activity for Coelectrolysis of Steam and Carbon Dioxide in Solid Oxide Electrolyzer Cells. <i>ACS Catalysis</i> , 2019, 9, 967-976.	5.5	21
3298	Testing analytical tidal propagation models of the one-dimensional hydrodynamic equations in Morocco's estuaries. <i>International Journal of River Basin Management</i> , 2019, 17, 353-366.	1.5	8
3299	Climatic and hydrologic controls on net primary production in a semiarid loess watershed. <i>Journal of Hydrology</i> , 2019, 568, 803-815.	2.3	47
3300	Reliability-Based Approach to Investigating Long-Term Clogging in Green Stormwater Infrastructure. <i>Journal of Sustainable Water in the Built Environment</i> , 2019, 5, .	0.9	16
3301	Reduced nitrate leaching in a perennial grain crop compared to maize in the Upper Midwest, USA. <i>Agriculture, Ecosystems and Environment</i> , 2019, 272, 63-73.	2.5	104
3302	Improvement and testing of SWAT for multi-source irrigation systems with paddy rice. <i>Journal of Hydrology</i> , 2019, 568, 1031-1041.	2.3	22
3303	Importance of geological information for assessing drain flow in a Danish till landscape. <i>Hydrological Processes</i> , 2019, 33, 450-462.	1.1	10
3304	Towards baseflow index characterisation at national scale in New Zealand. <i>Journal of Hydrology</i> , 2019, 568, 646-657.	2.3	47
3305	Assessing the impact of human interventions on floods and low flows in the Wei River Basin in China using the LISFLOOD model. <i>Science of the Total Environment</i> , 2019, 653, 1077-1094.	3.9	16
3306	Untangling the water-food-energy-environment nexus for global change adaptation in a complex Himalayan water resource system. <i>Science of the Total Environment</i> , 2019, 655, 35-47.	3.9	93
3307	Effects of stream nitrate data frequency on watershed model performance and prediction uncertainty. <i>Journal of Hydrology</i> , 2019, 569, 22-36.	2.3	18
3308	Predictive Modeling and Categorizing Likelihoods of Quarantine Pest Introduction of Imported Propagative Commodities from Different Countries. <i>Risk Analysis</i> , 2019, 39, 1382-1396.	1.5	5
3309	Modeling the Impacts of Manure on Phosphorus Loss in Surface Runoff and Subsurface Drainage. <i>Journal of Environmental Quality</i> , 2019, 48, 39-46.	1.0	12
3310	What would have been the impacts of wetlands on low flow support and high flow attenuation under steady state land cover conditions?. <i>Journal of Environmental Management</i> , 2019, 234, 448-457.	3.8	27
3311	Storylines of combined future land use and climate scenarios and their hydrological impacts in an Alpine catchment (Brixental/Austria). <i>Science of the Total Environment</i> , 2019, 657, 746-763.	3.9	19

#	ARTICLE	IF	CITATIONS
3312	Effect of check dams on riparian vegetation cover: A multiscale approach based on field measurements and satellite images for Leaf Area Index assessment. <i>Science of the Total Environment</i> , 2019, 657, 827-838.	3.9	21
3313	Attributing the hydrological impact of different land use types and their long-term dynamics through combining parsimonious hydrological modelling, alteration analysis and PLSR analysis. <i>Science of the Total Environment</i> , 2019, 660, 1155-1167.	3.9	73
3314	Cropping System Diversity Effects on Nutrient Discharge, Soil Erosion, and Agronomic Performance. <i>Environmental Science & Technology</i> , 2019, 53, 1344-1352.	4.6	59
3315	Efficacy of Rainfall-Runoff Models in Loose Coupling Spatial Decision Support Systems Modelbase. <i>Water Resources Management</i> , 2019, 33, 889-904.	1.9	8
3316	Future predictions of precipitation and temperature in Iraq using the statistical downscaling model. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	35
3317	Streamflow Impacts of Management and Environmental Change in the Upper Wabash River Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05018034.	0.8	6
3318	The adequacy of stochastically generated climate time series for water resources systems risk and performance assessment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 253-269.	1.9	15
3319	Multi-objective groundwater management strategy under uncertainties for sustainable control of saltwater intrusion: Solution for an island country in the South Pacific. <i>Journal of Environmental Management</i> , 2019, 234, 115-130.	3.8	42
3320	Projected changes in climate and hydrological regimes of the Western Siberian lowlands. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	6
3321	Effects of land use change and climate variability on streamflow in the Woken River basin in Northeast China. <i>River Research and Applications</i> , 2019, 35, 121-132.	0.7	15
3322	The Prediction of Heavy Metal Permeate Flux in Complexation-Microfiltration Process: Polynomial Neural Network Approach. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	8
3323	Comparing hydrological frameworks for simulating crop biomass, water and nitrogen dynamics in a tile drained soybean-corn system: Cascade vs computational approach. <i>Journal of Hydrology X</i> , 2019, 2, 100015.	0.8	18
3324	Modeling reference evapotranspiration in island environments: Assessing the practical implications. <i>Journal of Hydrology</i> , 2019, 570, 265-280.	2.3	44
3325	Water resources and nitrate discharges in relation to agricultural land uses in an intensively irrigated watershed. <i>Science of the Total Environment</i> , 2019, 659, 1293-1306.	3.9	24
3326	Modelling the effects of climatic and hydrological regime changes on the sediment dynamics of the Fraser River Basin, British Columbia, Canada. <i>Hydrological Processes</i> , 2019, 33, 244-260.	1.1	2
3327	Optimum design of hydraulic water retaining structures incorporating uncertainty in estimating heterogeneous hydraulic conductivity utilizing stochastic ensemble surrogate models within a multi-objective multi-realisation optimisation model. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 296-315.	1.5	5
3328	Two-phase extreme learning machines integrated with the complete ensemble empirical mode decomposition with adaptive noise algorithm for multi-scale runoff prediction problems. <i>Journal of Hydrology</i> , 2019, 570, 167-184.	2.3	90
3329	Calibration of capacitance sensor for Andosol under field and laboratory conditions in the temperate monsoon climate. <i>Soil and Tillage Research</i> , 2019, 189, 52-63.	2.6	11

#	ARTICLE	IF	CITATIONS
3330	Compartmental models for seasonal hyperendemic bacterial meningitis in the African meningitis belt. <i>Epidemiology and Infection</i> , 2019, 147, e14.	1.0	7
3331	Comprehensive performance evaluation of LID practices for the sponge city construction: A case study in Guangxi, China. <i>Journal of Environmental Management</i> , 2019, 231, 10-20.	3.8	170
3332	Evaluation of climate change impacts and adaptation strategies on rainfed rice production in Songkhram River Basin, Thailand. <i>Science of the Total Environment</i> , 2019, 652, 189-201.	3.9	83
3333	Evaluation of SWAT performance in modeling nutrients of Awash River basin, Ethiopia. <i>Modeling Earth Systems and Environment</i> , 2019, 5, 275-289.	1.9	6
3334	Uncertainty of hydrologic processes caused by bias-corrected CMIP5 climate change projections with alternative historical data sources. <i>Journal of Hydrology</i> , 2019, 568, 551-561.	2.3	28
3335	A TOPSIS-Based Multicriteria Approach to the Calibration of a Basin-Scale SWAT Hydrological Model. <i>Water Resources Management</i> , 2019, 33, 439-452.	1.9	9
3336	Impacts of rising temperature, carbon dioxide concentration and sea level on wheat production in North Nile delta. <i>Science of the Total Environment</i> , 2019, 651, 3161-3173.	3.9	56
3337	A conceptual agricultural water productivity model considering under field capacity soil water redistribution applicable for arid and semi-arid areas with deep groundwater. <i>Agricultural Water Management</i> , 2019, 213, 309-323.	2.4	11
3338	Accounting for Spatiotemporal Variations of Curve Number Using Variable Initial Abstraction and Antecedent Moisture. <i>Water Resources Management</i> , 2019, 33, 641-656.	1.9	5
3339	Assessing multidecadal runoff (1970â€“2010) using regional hydrological modelling under data and water scarcity conditions in Peruvian Pacific catchments. <i>Hydrological Processes</i> , 2019, 33, 20-35.	1.1	27
3340	Sensitivity analysis of the parameterâ€“efficient distributed (PED) model for discharge and sediment concentration estimation in degraded humid landscapes. <i>Land Degradation and Development</i> , 2019, 30, 151-165.	1.8	5
3341	Transferability of regionalization methods under changing climate. <i>Journal of Hydrology</i> , 2019, 568, 67-81.	2.3	26
3342	Nutrient losses to surface waters in Hai He basin: A case study of Guanting reservoir and Baiyangdian lake. <i>Agricultural Water Management</i> , 2019, 213, 62-75.	2.4	43
3343	Analytical and mathematical assessment of emerging pollutants fate in a river system. <i>Journal of Hazardous Materials</i> , 2019, 364, 48-58.	6.5	25
3344	Soil moisture and discharge modeling in a representative watershed in northeastern Brazil using SWAT. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 238-251.	1.0	23
3345	Quantifying the contribution of tile drainage to basin-scale water yield using analytical and numerical models. <i>Science of the Total Environment</i> , 2019, 657, 297-309.	3.9	38
3346	A Stochastic Dataâ€“Driven Ensemble Forecasting Framework for Water Resources: A Case Study Using Ensemble Members Derived From a Database of Deterministic Waveletâ€“Based Models. <i>Water Resources Research</i> , 2019, 55, 175-202.	1.7	57
3347	Estimating the reliability of a rainwater catchment system using the output data of general circulation models for the future period (case study: Birjand City, Iran). <i>Theoretical and Applied Climatology</i> , 2019, 137, 1975-1986.	1.3	4

#	ARTICLE	IF	CITATIONS
3348	Reliability Analysis of Pile Foundation Using ELM and MARS. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 3447-3457.	0.8	32
3349	Multi-level pedotransfer modification functions of the USLE-K factor for annual soil erodibility estimation of mixed landscapes. <i>Modeling Earth Systems and Environment</i> , 2019, 5, 767-779.	1.9	11
3350	Assessment of rainfall bias correction techniques for improved hydrological simulation. <i>International Journal of Climatology</i> , 2019, 39, 2386-2399.	1.5	52
3351	Flood hazard mapping under a climate change scenario in a Ribb catchment of Blue Nile River basin, Ethiopia. <i>Applied Geomatics</i> , 2019, 11, 147-160.	1.2	17
3352	Two calibration methods for modeling streamflow and suspended sediment with the swat model. <i>Ecological Engineering</i> , 2019, 127, 103-113.	1.6	45
3353	Flood modelling using synthesised citizen science urban streamflow observations. <i>Journal of Flood Risk Management</i> , 2019, 12, .	1.6	14
3354	A model-aided satellite-altimetry-based flood forecasting system for the Mekong River. <i>Environmental Modelling and Software</i> , 2019, 112, 112-127.	1.9	28
3355	Modelling the fate and transport of <i>Cryptosporidium</i> , a zoonotic and waterborne pathogen, in the Daning River watershed of the Three Gorges Reservoir Region, China. <i>Journal of Environmental Management</i> , 2019, 232, 462-474.	3.8	14
3356	Assessment of the impact of climate change on hydropower potential in the Nanliujiang River basin of China. <i>Energy</i> , 2019, 167, 950-959.	4.5	25
3357	Effect of baseline snowpack assumptions in the HySIM model in predicting future hydrological behaviour of a Himalayan catchment. <i>Hydrology Research</i> , 2019, 50, 691-708.	1.1	4
3358	An ecohydraulics virtual watershed: Integrating physical and biological variables to quantify aquatic habitat quality. <i>Ecohydrology</i> , 2019, 12, e2062.	1.1	10
3359	Effects of projected urbanization and climate change on flow and nutrient loads of a Mediterranean catchment in South Australia. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 279-288.	1.0	15
3360	Surface Water Quantity for Drinking Water during Low Flows - Sensitivity Assessment Solely from Climate Data. <i>Water Resources Management</i> , 2019, 33, 369-385.	1.9	2
3361	Restoring in-stream habitat in urban catchments: Modify flow or the channel?. <i>Ecohydrology</i> , 2019, 12, e2050.	1.1	11
3362	Modelling the water balance on farming practices at plot scale: Case study of Tougou watershed in Northern Burkina Faso. <i>Catena</i> , 2019, 173, 59-70.	2.2	24
3363	Prediction of short and medium term PM ₁₀ concentration using artificial neural networks. <i>Management of Environmental Quality</i> , 2019, 30, 414-436.	2.2	14
3364	Growth, N uptake and N critical dilution curve in broccoli cultivars grown under Mediterranean conditions. <i>Scientia Horticulturae</i> , 2019, 244, 109-121.	1.7	20
3365	Impact and mitigation of global change on freshwater-related ecosystem services in Southern Europe. <i>Science of the Total Environment</i> , 2019, 651, 895-908.	3.9	34

#	ARTICLE	IF	CITATIONS
3366	How significant is sub-daily variability of rainfall for hydrological modelling of floods? A satellite based approach to sub-daily downscaling of gauged rainfall. <i>Meteorological Applications</i> , 2019, 26, 288-299.	0.9	7
3367	Evaluating Agricultural BMP Effectiveness in Improving Freshwater Provisioning Under Changing Climate. <i>Water Resources Management</i> , 2019, 33, 453-473.	1.9	8
3368	Land use change and ecosystem services in mountainous watersheds: Predicting the consequences of environmental policies with cellular automata and hydrological modeling. <i>Environmental Modelling and Software</i> , 2019, 122, 103982.	1.9	33
3369	Comparing the effects of dynamic versus static representations of land use change in hydrologic impact assessments. <i>Environmental Modelling and Software</i> , 2019, 122, 103987.	1.9	57
3370	Evaluating the impact of climate change on fluvial flood risk in a mixed-use watershed. <i>Environmental Modelling and Software</i> , 2019, 122, 104031.	1.9	39
3371	Application of statistical charts, multi-criteria decision making and polynomial neural networks in monitoring energy utilization of wave energy converters. <i>Environment, Development and Sustainability</i> , 2019, 21, 199-219.	2.7	6
3372	Rock slope damage level prediction by using multivariate adaptive regression splines (MARS). <i>Neural Computing and Applications</i> , 2019, 31, 2269-2278.	3.2	13
3373	Vulnerability analysis based on drought and vegetation dynamics. <i>Ecological Indicators</i> , 2019, 105, 329-336.	2.6	21
3374	Improving the catchment scale wetland modeling using remotely sensed data. <i>Environmental Modelling and Software</i> , 2019, 122, 104069.	1.9	19
3375	Simulating seasonal variability of phytoplankton in stream water using the modified SWAT model. <i>Environmental Modelling and Software</i> , 2019, 122, 104073.	1.9	11
3376	Developing a hydrological simulation tool to design bioretention in a watershed. <i>Environmental Modelling and Software</i> , 2019, 122, 104074.	1.9	8
3377	Assessment of potential impact of climate change on streamflow: a case study of the Brahmani River basin, India. <i>Journal of Water and Climate Change</i> , 2019, 10, 624-641.	1.2	19
3378	Evaluation of GreenCrop Tracker for the Estimation of Leaf Area Index in Wheat Using Digital Photography. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 615-621.	0.4	0
3379	Effects of the uncertainties of climate change on the performance of hydropower systems. <i>Journal of Water and Climate Change</i> , 2019, 10, 591-609.	1.2	22
3380	GEP and MLR approaches for the prediction of reference evapotranspiration. <i>Neural Computing and Applications</i> , 2019, 31, 5843-5855.	3.2	22
3381	Hydrologic responses to climate change using downscaled GCM data on a watershed scale. <i>Journal of Water and Climate Change</i> , 2019, 10, 63-77.	1.2	34
3382	Evaluation of neuro-fuzzy and Bayesian techniques in estimating suspended sediment loads. <i>Sustainable Water Resources Management</i> , 2019, 5, 639-654.	1.0	10
3383	Investigating the variability of GCMs' simulations using time series analysis. <i>Journal of Water and Climate Change</i> , 2019, 10, 449-463.	1.2	11

#	ARTICLE	IF	CITATIONS
3384	Identification of critical source areas under present and projected land use for effective management of diffuse pollutants in an urbanized watershed. <i>International Journal of River Basin Management</i> , 2019, 17, 171-184.	1.5	7
3385	Impact assessment of land use/land cover and climate change on streamflow regionalization in an ungauged catchment. <i>Journal of Water and Climate Change</i> , 2019, 10, 554-568.	1.2	12
3386	Assessment of watershed health, vulnerability and resilience for determining protection and restoration Priorities. <i>Environmental Modelling and Software</i> , 2019, 122, 103926.	1.9	30
3387	Assessment of the climate change risks for inflow into Sagami Dam reservoir using a hydrological model. <i>Journal of Water and Climate Change</i> , 2020, 11, 367-379.	1.2	7
3388	Enhancement of a numerical model system for reliably predicting morphological development in the Saalach River. <i>International Journal of River Basin Management</i> , 2020, 18, 335-347.	1.5	4
3389	Performance assessment of water reuse strategies using integrated framework of urban water metabolism and water-energy-pollution nexus. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4582-4597.	2.7	45
3390	Reconstruction of water balance components using tree-ring proxy records. <i>Water and Environment Journal</i> , 2020, 34, 381-390.	1.0	0
3391	Surface Runoff and Drought Assessment Using Global Water Resources Datasets - from Oum Er Rbia Basin to the Moroccan Country Scale. <i>Water Resources Management</i> , 2020, 34, 2117-2133.	1.9	14
3392	Impacts of land use land cover change on runoff and sediment yield of Upper Tapi River Sub-Basin, India. <i>International Journal of River Basin Management</i> , 2020, 18, 177-189.	1.5	57
3393	Using an integrated hydrological model to estimate the impacts of droughts in a semiarid transboundary river basin: the case of study of the Tijuana River Basin. <i>International Journal of River Basin Management</i> , 2020, 18, 445-460.	1.5	3
3394	Epilimnion and metalimnion thermal water temperature variables in Moroccan's Lakes using a one-dimensional fresh-water lake model. <i>International Journal of River Basin Management</i> , 2020, 18, 321-333.	1.5	5
3395	Assessment of climate change impact on flow regimes over the Gomti River basin under IPCC AR5 climate change scenarios. <i>Journal of Water and Climate Change</i> , 2020, 11, 303-326.	1.2	27
3396	Predicting, explaining and exploring with computer simulations in fluvial geomorphology. <i>Earth-Science Reviews</i> , 2020, 209, 102654.	4.0	3
3397	The influence of optimized allocation of agricultural water and soil resources on irrigation and drainage in the Jingdian Irrigation District, China. <i>Irrigation Science</i> , 2020, 38, 37-47.	1.3	13
3398	Integrated numerical model for irrigated area water resources management. <i>Journal of Water and Climate Change</i> , 2020, 11, 980-991.	1.2	10
3399	A modified physical-based water-retention model for continuous soil moisture estimation during infiltration: experiments on saline and non-saline soils. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1344-1357.	1.3	6
3400	Application of GRACE to the estimation of groundwater storage change in a data-poor region: A case study of Ngadda catchment in the Lake Chad Basin. <i>Hydrological Processes</i> , 2020, 34, 941-955.	1.1	19
3401	Climate change impacts under representative concentration pathway scenarios on streamflow and droughts of basins in the Brazilian Cerrado biome. <i>International Journal of Climatology</i> , 2020, 40, 2511-2526.	1.5	37

#	ARTICLE	IF	CITATIONS
3402	Estimating potential evapotranspiration based on self-optimizing nearest neighbor algorithms: a case study in arid/semi-arid environments, Northwest of China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 37176-37187.	2.7	1
3403	The added value of spatially distributed meteorological data for simulating hydrological processes in a small Mediterranean catchment. <i>Acta Geophysica</i> , 2020, 68, 133-153.	1.0	4
3404	A Non-stationary Standardized Streamflow Index for hydrological drought using climate and human-induced indices as covariates. <i>Science of the Total Environment</i> , 2020, 699, 134278.	3.9	46
3405	Regional water-energy cycle response to land use/cover change in the agro-pastoral ecotone, Northwest China. <i>Journal of Hydrology</i> , 2020, 580, 124246.	2.3	28
3406	Recession flow prediction in gauged and ungauged basins by just considering past discharge information. <i>Hydrological Sciences Journal</i> , 2020, 65, 21-32.	1.2	15
3407	Prediction of dissolved oxygen in urban rivers at the Three Gorges Reservoir, China: extreme learning machines (ELM) versus artificial neural network (ANN). <i>Water Quality Research Journal of Canada</i> , 2020, 55, 106-118.	1.2	53
3408	Integrated modeling to assess flow changes due to future dam development and operation in Stung Sen River of Tonle Sap Lake Basin, Cambodia. <i>Journal of Water and Climate Change</i> , 2020, 11, 1123-1133.	1.2	4
3409	Effects of fertilizer timing and variable rate N on nitrate-N losses from a tile drained corn-soybean rotation simulated using DRAINMOD-NII. <i>Precision Agriculture</i> , 2020, 21, 311-323.	3.1	5
3410	Questioning of empirically derived and locally calibrated potential evapotranspiration equations for a lumped water balance model. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 1141-1156.	1.0	6
3411	Effectiveness and feasibility of different management practices to reduce soil erosion in an agricultural watershed. <i>Land Use Policy</i> , 2020, 90, 104306.	2.5	62
3412	Assessing the adequacy of SWAT model to simulate postfire effects on the watershed hydrological regime and water quality. <i>Land Degradation and Development</i> , 2020, 31, 619-631.	1.8	27
3413	Evaluating the effects of forest fire on water balance using fire susceptibility maps. <i>Ecological Indicators</i> , 2020, 110, 105856.	2.6	44
3414	Assessment of hydrological regionalization methodologies for the upper Jaguari River basin. <i>Journal of South American Earth Sciences</i> , 2020, 97, 102402.	0.6	11
3415	Surface, satellite or simulation? Mapping intra-urban microclimate variability in a desert city. <i>International Journal of Climatology</i> , 2020, 40, 3099-3117.	1.5	15
3416	Intensified hydroclimatic regime in Korean basins under 1.5 and 2°C global warming. <i>International Journal of Climatology</i> , 2020, 40, 1965-1978.	1.5	15
3417	Evaluating satellite-based and reanalysis precipitation datasets with gauge-observed data and hydrological modeling in the Xihe River Basin, China. <i>Atmospheric Research</i> , 2020, 234, 104746.	1.8	57
3418	Climate change impact assessment on hydrological fluxes based on ensemble GCM outputs: a case study in eastern Indian River Basin. <i>Journal of Water and Climate Change</i> , 2020, 11, 1676-1694.	1.2	26
3419	Effective detection and quantification of chemical adulterants in model fat-filled milk powders using NIRS and hierarchical modelling strategies. <i>Food Chemistry</i> , 2020, 309, 125785.	4.2	17

#	ARTICLE	IF	CITATIONS
3420	A comprehensive comparison of four input variable selection methods for artificial neural network flow forecasting models. <i>Journal of Hydrology</i> , 2020, 583, 124299.	2.3	45
3421	Comparison of design peak flow estimation methods for ungauged basins in Iran. <i>Hydrological Sciences Journal</i> , 2020, 65, 127-137.	1.2	17
3422	Automatic calibration of a whole-of-basin water accounting model using a comprehensive learning particle swarm optimiser. <i>Journal of Hydrology</i> , 2020, 581, 124281.	2.3	9
3423	Improved estimators of correlation and R^2 for skewed hydrologic data. <i>Hydrological Sciences Journal</i> , 2020, 65, 87-101.	1.2	13
3424	Quantifying the contributions of climate variation, land use change, and engineering measures for dramatic reduction in streamflow and sediment in a typical loess watershed, China. <i>Ecological Engineering</i> , 2020, 142, 105611.	1.6	50
3425	Responses of crop growth and water productivity to climate change and agricultural water-saving in arid region. <i>Science of the Total Environment</i> , 2020, 703, 134621.	3.9	30
3426	Climate change vulnerability assessment and adaptation strategies through best management practices. <i>Journal of Hydrology</i> , 2020, 580, 124311.	2.3	23
3427	Modeling forest management effects on water and sediment yield from nested, paired watersheds in the interior Pacific Northwest, USA using WEPP. <i>Science of the Total Environment</i> , 2020, 701, 134877.	3.9	24
3428	A spatial landscape scale approach for estimating erosion, water quantity, and quality in response to South Dakota grassland conversion. <i>Natural Resource Modelling</i> , 2020, 33, .	0.8	11
3429	NDVI-based estimates of evapotranspiration of winter wheat indicate positive effects of N fertilizer application on agronomic water-use efficiency. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 1-12.	1.7	7
3430	Flood hydrograph prediction in a semiarid mountain catchment: The role of catchment subdivision. <i>Journal of Flood Risk Management</i> , 2020, 13, e12568.	1.6	5
3431	Applying the stocking index to the determination of the curve number parameter in the forest catchment area. <i>Natural Resource Modelling</i> , 2020, 33, .	0.8	1
3432	Spatio-temporal patterns of the interaction between groundwater and surface water in plains. <i>Hydrological Processes</i> , 2020, 34, 1371-1392.	1.1	34
3433	Estimation of baseflow nitrate loads by a recursive tracing source algorithm in a rainy agricultural watershed. <i>Hydrological Processes</i> , 2020, 34, 441-454.	1.1	8
3434	Comprehensive assessment of 12 soft computing approaches for modelling reference evapotranspiration in humid locations. <i>Meteorological Applications</i> , 2020, 27, e1841.	0.9	19
3435	Spatio-temporal variability in stream power distribution in the Upper Kosi River basin, Central Himalaya: Controls and geomorphic implications. <i>Geomorphology</i> , 2020, 350, 106888.	1.1	18
3436	Hydrological impacts of climate change on rice cultivated riparian wetlands in the Upper Meghna River Basin (Bangladesh and India). <i>Hydrological Sciences Journal</i> , 2020, 65, 33-56.	1.2	18
3437	Evaluation of land use change and its impact on water yield in Songkhram River basin, Thailand. <i>International Journal of River Basin Management</i> , 2020, 18, 23-31.	1.5	15

#	ARTICLE	IF	CITATIONS
3438	Assessing and Modeling Soil Detachment Capacity by Overland Flow in Forest and Woodland of Northern Iran. <i>Forests</i> , 2020, 11, 65.	0.9	30
3439	Multi-Scale Hydrologic Sensitivity to Climatic and Anthropogenic Changes in Northern Morocco. <i>Geosciences (Switzerland)</i> , 2020, 10, 13.	1.0	18
3440	Threshold of sub-watersheds for SWAT to simulate hillslope sediment generation and its spatial variations. <i>Ecological Indicators</i> , 2020, 111, 106040.	2.6	15
3441	Development of reservoir operation functions in SWAT+ for national environmental assessments. <i>Journal of Hydrology</i> , 2020, 583, 124556.	2.3	51
3442	Quantifying streamflow regulation services of wetlands with an emphasis on quickflow and baseflow responses in the Upper Nenjiang River Basin, Northeast China. <i>Journal of Hydrology</i> , 2020, 583, 124565.	2.3	14
3443	Evaluating the performance of two SEB models for estimating ET based on satellite images in arid regions. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	7
3444	A hybrid neural network-based technique to improve the flow forecasting of physical and data-driven models: Methodology and case studies in Andean watersheds. <i>Journal of Hydrology: Regional Studies</i> , 2020, 27, 100652.	1.0	24
3445	Network-Level Risk-Based Framework for Optimal Bridge Adaptation Management Considering Scour and Climate Change. <i>Journal of Infrastructure Systems</i> , 2020, 26, .	1.0	38
3446	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.	1.2	15
3447	Effects of dynamic land use/land cover change on water resources and sediment yield in the Anzali wetland catchment, Gilan, Iran. <i>Science of the Total Environment</i> , 2020, 712, 136449.	3.9	128
3448	Modeling riverine dissolved and particulate organic carbon fluxes from two small watersheds in the northeastern United States. <i>Environmental Modelling and Software</i> , 2020, 124, 104601.	1.9	17
3449	Intercontinental predictions of river hydraulic geometry from catchment physical characteristics. <i>Journal of Hydrology</i> , 2020, 582, 124292.	2.3	19
3450	Understanding Catchmentâ€”Scale Forest Root Water Uptake Strategies Across the Continental United States Through Inverse Ecohydrological Modeling. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085937.	1.5	24
3451	Estimating Potential Climate Change Effects on the Upper Neuse Watershed Water Balance Using the SWAT Model. <i>Journal of the American Water Resources Association</i> , 2020, 56, 53-67.	1.0	17
3452	Multi-environmental impacts of biofuel production in the U.S. Corn Belt: A coupled hydro-biogeochemical modeling approach. <i>Journal of Cleaner Production</i> , 2020, 251, 119561.	4.6	20
3453	An empirical model for estimating soil wetting pattern dimensions during film hole irrigation. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1765-1779.	1.3	8
3454	Evaluation of global land use/land cover products for hydrologic simulation in the Upper Yom River Basin, Thailand. <i>Science of the Total Environment</i> , 2020, 708, 135148.	3.9	19
3455	Integrated assessment of climate change impacts on multiple ecosystem services in Western Switzerland. <i>Science of the Total Environment</i> , 2020, 708, 135212.	3.9	25

#	ARTICLE	IF	CITATIONS
3456	Natural and anthropogenic influences on the recent droughts in Yellow River Basin, China. <i>Science of the Total Environment</i> , 2020, 704, 135428.	3.9	98
3457	Altitudinal Distribution of Meltwater and Its Effects on Glacio-Hydrology in Glacierized Catchments, Central Asia. <i>Journal of the American Water Resources Association</i> , 2020, 56, 30-52.	1.0	9
3458	Enhanced bioretention cell modeling with DRAINMOD-Urban: Moving from water balances to hydrograph production. <i>Journal of Hydrology</i> , 2020, 582, 124491.	2.3	13
3459	A Rainfall-Runoff Model With LSTM-Based Sequence-to-Sequence Learning. <i>Water Resources Research</i> , 2020, 56, e2019WR025326.	1.7	323
3460	Suitability of the SWAT Model for Simulating Water Discharge and Sediment Load in a Karst Watershed of the Semiarid Mediterranean Basin. <i>Water Resources Management</i> , 2020, 34, 785-802.	1.9	36
3461	Suitability of global precipitation estimates for hydrologic prediction in the main watersheds of Upper Awash basin. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	12
3462	Determination of 10-HDA in royal jelly by ATR-FTMIR and NIR spectral combining with data fusion strategy. <i>Optik</i> , 2020, 203, 164052.	1.4	9
3463	A modified hydrological model for assessing effect of pH on fate and transport of <i>Escherichia coli</i> in the Athabasca River basin. <i>Journal of Hydrology</i> , 2020, 582, 124513.	2.3	19
3464	Designing river water quality policy interventions with scarce data: the case of the Middle Tagus Basin, Spain. <i>Hydrological Sciences Journal</i> , 2020, 65, 749-762.	1.2	13
3465	A deep learning approach for daily tourist flow forecasting with consumer search data. <i>Asia Pacific Journal of Tourism Research</i> , 2020, 25, 323-339.	1.8	44
3466	Quantitative Analysis of Hydrological Responses to Climate Variability and Land-Use Change in the Hilly-Gully Region of the Loess Plateau, China. <i>Water (Switzerland)</i> , 2020, 12, 82.	1.2	19
3467	Bringing statistical learning machines together for hydro-climatological predictions - Case study for Sacramento San Joaquin River Basin, California. <i>Journal of Hydrology: Regional Studies</i> , 2020, 27, 100651.	1.0	16
3468	Macro-HyProS: A new macro-scale hydrologic processes simulator for depression-dominated cold climate regions. <i>Journal of Hydrology</i> , 2020, 580, 124366.	2.3	9
3469	Large decrease in streamflow and sediment load of Qinghai-Tibetan Plateau driven by future climate change: A case study in Lhasa River Basin. <i>Catena</i> , 2020, 187, 104340.	2.2	110
3470	Identification of hydrological models for operational flood forecasting in St. John's, Newfoundland, Canada. <i>Journal of Hydrology: Regional Studies</i> , 2020, 27, 100646.	1.0	42
3471	Regional Analysis of Flow Duration Curves through Support Vector Regression. <i>Water Resources Management</i> , 2020, 34, 283-294.	1.9	18
3472	Assessing climate changes impacts on tropical karst catchment: Implications on groundwater resource sustainability and management strategies. <i>Journal of Hydrology</i> , 2020, 582, 124426.	2.3	24
3473	Integrated environmental modeling for efficient aquifer vulnerability assessment using machine learning. <i>Environmental Modelling and Software</i> , 2020, 124, 104602.	1.9	17

#	ARTICLE	IF	CITATIONS
3474	Simulating Hydropower Discharge using Multiple Decision Tree Methods and a Dynamical Model Merging Technique. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	35
3475	A two-stage time series model for monthly hydrological projections under climate change in the Lim River basin (southeast Europe). <i>Hydrological Sciences Journal</i> , 2020, 65, 387-400.	1.2	3
3476	Regional hydrology heterogeneity and the response to climate and land surface changes in arid alpine basin, northwest China. <i>Catena</i> , 2020, 187, 104345.	2.2	39
3477	Quantifying the impacts of the Three Gorges Reservoir on water temperature in the middle reach of the Yangtze River. <i>Journal of Hydrology</i> , 2020, 582, 124476.	2.3	48
3478	Biokinetics of fed-batch production of poly (3-hydroxybutyrate) using microbial co-culture. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1077-1095.	1.7	7
3479	Overland Flow along Stone Covered Slope Land Simulated with Semi-Analytical and Numerical Models. <i>Water Resources Management</i> , 2020, 34, 51-69.	1.9	1
3480	Individual and combined impacts of future land-use and climate conditions on extreme hydrological events in a representative basin of the Yangtze River Delta, China. <i>Atmospheric Research</i> , 2020, 236, 104805.	1.8	48
3481	Assessing the effects of manure application rate and timing on nitrous oxide emissions from managed grasslands under contrasting climate in Canada. <i>Science of the Total Environment</i> , 2020, 716, 135374.	3.9	22
3482	Logical genetic programming (LGP) application to water resources management. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 34.	1.3	9
3483	Comparative study of statistical methods to identify a predictor for discharge at Orsova in the Lower Danube Basin. <i>Hydrological Sciences Journal</i> , 2020, 65, 371-386.	1.2	9
3484	River suspended sediment load prediction based on river discharge information: application of newly developed data mining models. <i>Hydrological Sciences Journal</i> , 2020, 65, 624-637.	1.2	72
3485	Depression threshold control proxy to improve HEC-HMS modeling of depression-dominated watersheds. <i>Hydrological Sciences Journal</i> , 2020, 65, 200-211.	1.2	8
3486	Approximation of Metro Water District Basin Using Parallel Computing of Emulator Based Spatial Optimization (PCESO). <i>Water Resources Management</i> , 2020, 34, 121-137.	1.9	5
3487	Conceptual hydrological model calibration using multi-objective optimization techniques over the transboundary Komadugu-Yobe basin, Lake Chad Area, West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2020, 27, 100655.	1.0	21
3488	Relationships between grape composition of Tempranillo variety and available soil water and water stress under different weather conditions. <i>Scientia Horticulturae</i> , 2020, 262, 109063.	1.7	23
3489	Comparison of the gene expression programming, artificial neural network (ANN), and equivalent Muskingum inflow models in the flood routing of multiple branched rivers. <i>Theoretical and Applied Climatology</i> , 2020, 139, 1349-1362.	1.3	14
3490	Automatic calibration and improvements on an instream chlorophyll a simulation in the HSPF model. <i>Ecological Modelling</i> , 2020, 415, 108835.	1.2	12
3491	Automatic Flower Number Evaluation in Grapevine Inflorescences Using RGB Images. <i>American Journal of Enology and Viticulture</i> , 2020, 71, 10-16.	0.9	10

#	ARTICLE	IF	CITATIONS
3492	Wind-driven flow dynamics off the Northwestern Arabian Gulf Coast. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 233, 106511.	0.9	7
3493	Effect of nitrogen source, placement and timing on the environmental performance of economically optimum nitrogen rates in maize. <i>Field Crops Research</i> , 2020, 246, 107686.	2.3	26
3494	Climate and land use change effects on soil erosion in two small agricultural catchment systems Fugnitz â€œ Austria, Can Revull â€œ Spain. <i>Science of the Total Environment</i> , 2020, 704, 135389.	3.9	61
3495	An integrated modeling approach for identifying cost-effective strategies in controlling water pollution of urban watersheds. <i>Journal of Hydrology</i> , 2020, 581, 124373.	2.3	20
3496	Prediction of soil wind erodibility using a hybrid Genetic algorithm â€œ Artificial neural network method. <i>Catena</i> , 2020, 187, 104315.	2.2	22
3497	Application of hydrological model for assessment of water security using multi-model ensemble of CORDEX-South Asia experiments in a semi-arid river basin of India. <i>Ecological Engineering</i> , 2020, 143, 105641.	1.6	19
3498	Understanding the effects of pasture type and stocking rate on the hydrology of the Southern Great Plains. <i>Science of the Total Environment</i> , 2020, 708, 134873.	3.9	5
3499	Estimation of satellite-derived lake water surface temperatures in the western Mediterranean: Integrating multi-source, multi-resolution imagery and a long-term field dataset using a time series approach. <i>Science of the Total Environment</i> , 2020, 707, 135567.	3.9	14
3500	Estimating Evapotranspiration Using Coupled Remote Sensing and Three SEB Models in an Arid Region. <i>Environmental Processes</i> , 2020, 7, 109-133.	1.7	14
3501	Exploration on hydrological model calibration by considering the hydro-meteorological variability. <i>Hydrology Research</i> , 2020, 51, 30-46.	1.1	2
3502	Assessing snow simulation performance of typical combination schemes within Noah-MP in northern Xinjiang, China. <i>Journal of Hydrology</i> , 2020, 581, 124380.	2.3	12
3503	Modeling Zucchini squash irrigation requirements in the Syrian Akkar region using the FAO56 dual-Kc approach. <i>Agricultural Water Management</i> , 2020, 229, 105927.	2.4	5
3504	Predicting the climate change impacts on water-carbon coupling cycles for a loess hilly-gully watershed. <i>Journal of Hydrology</i> , 2020, 581, 124388.	2.3	38
3505	Effects of surface runoff and infiltration partition methods on hydrological modeling: A comparison of four schemes in two watersheds in the Northeastern US. <i>Journal of Hydrology</i> , 2020, 581, 124415.	2.3	21
3506	Effect of Changes in Watershed Runoff Characteristics on Salinity Intrusion in Estuary Using EFDC. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 87-98.	0.9	4
3507	Forage chicory model: Development and evaluation. <i>Field Crops Research</i> , 2020, 246, 107633.	2.3	7
3508	Dependence of regionalization methods on the complexity of hydrological models in multiple climatic regions. <i>Journal of Hydrology</i> , 2020, 582, 124357.	2.3	53
3509	Development and application of a GIS-based artificial neural network system for water quality prediction: a case study at the Lake Champlain area. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 1835-1845.	0.6	7

#	ARTICLE	IF	CITATIONS
3510	Impacts of combined land-use and climate change on streamflow in two nested catchments in the Southeastern United States. <i>Ecological Engineering</i> , 2020, 143, 105665.	1.6	35
3511	Estimations of rooting depths and sources of plant-available water (PAW) in flatland petrocalcic soils under different land uses. <i>Geoderma</i> , 2020, 361, 114019.	2.3	5
3512	Assessment of MC&MCMC uncertainty analysis frameworks on SWAT model by focusing on future runoff prediction in a mountainous watershed via CMIP5 models. <i>Journal of Water and Climate Change</i> , 2020, 11, 1811-1828.	1.2	5
3513	Using Particle Tracking to Understand Flow Paths, Age Distributions, and the Paradoxical Origins of the Inverse Storage Effect in an Experimental Catchment. <i>Water Resources Research</i> , 2020, 56, e2019WR025140.	1.7	24
3514	Erosion Quantification in Runoff Agriculture Plots by Multitemporal High-Resolution UAS Digital Photogrammetry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 6326-6336.	2.3	8
3515	Effects On Streamflow Caused By Reforestation And Deforestation In A Brazilian Southeast Basin: Evaluation By Multicriteria Analysis And Swat Model. , 2020, , .		0
3516	Analysis of Groundwater Level Variations Caused by the Changes in Groundwater Withdrawals Using Long Short-Term Memory Network. <i>Hydrology</i> , 2020, 7, 64.	1.3	20
3517	A Comparative Evaluation of the Performance of CHIRPS and CFSR Data for Different Climate Zones Using the SWAT Model. <i>Remote Sensing</i> , 2020, 12, 3088.	1.8	17
3518	Introducing an Improved GRACE Global Point-Mass Solutionâ€”A Case Study in Antarctica. <i>Remote Sensing</i> , 2020, 12, 3197.	1.8	13
3519	Flood Hazard Assessment in Data-Scarce Watersheds Using Model Coupling, Event Sampling, and Survey Data. <i>Water (Switzerland)</i> , 2020, 12, 2768.	1.2	12
3520	A Simple Time-Varying Sensitivity Analysis (TVSA) for Assessment of Temporal Variability of Hydrological Processes. <i>Water (Switzerland)</i> , 2020, 12, 2463.	1.2	3
3521	How evaluation of global hydrological models can help to improve credibility of river discharge projections under climate change. <i>Climatic Change</i> , 2020, 163, 1353-1377.	1.7	25
3522	Simulation of monthly streamflow using the SWAT model of the Ib River watershed, India. <i>HydroResearch</i> , 2020, 3, 95-105.	1.7	24
3523	Calibration and validation of the AquaCrop model for full and deficit irrigated cowpea (Vigna Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.2	10
3524	A Channel Network Model for Sediment Dynamics Over Watershed Management Time Scales. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001852.	1.3	6
3525	Impacts of climate change and reservoir operation on streamflow and flood characteristics in the Lancang-Mekong River Basin. <i>Journal of Hydrology</i> , 2020, 590, 125472.	2.3	71
3526	Integrating hybrid runoff generation mechanism into variable infiltration capacity model to facilitate hydrological simulations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 2139-2157.	1.9	8
3527	Combining SWAT Model and Regionalization Approach to Estimate Soil Erosion under Limited Data Availability Conditions. <i>Eurasian Soil Science</i> , 2020, 53, 1280-1292.	0.5	11

#	ARTICLE	IF	CITATIONS
3528	Simulation and Seasonal Characteristics of the Intra-Annual Heat Exchange Process in a Shallow Ice-Covered Lake. <i>Sustainability</i> , 2020, 12, 7832.	1.6	6
3529	Assessing Climate Change Effects on Water Balance in a Monsoon Watershed. <i>Water (Switzerland)</i> , 2020, 12, 2564.	1.2	12
3530	Data-Driven Models for Canopy Temperature-Based Irrigation Scheduling. <i>Transactions of the ASABE</i> , 2020, 63, 1579-1592.	1.1	14
3531	Evaluation of the impacts of climate change on streamflow through hydrological simulation and under downscaling scenarios: case study in a watershed in southeastern Brazil. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 707.	1.3	8
3532	Modelling the impact of runoff generation on agricultural and urban phosphorus loading of the subtropical Poyang Lake (China). <i>Journal of Hydrology</i> , 2020, 590, 125490.	2.3	9
3533	Improved Estimations of Nitrate and Sediment Concentrations Based on SWAT Simulations and Annual Updated Land Cover Products from a Deep Learning Classification Algorithm. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 576.	1.4	4
3534	Evaluating two GIS-based semi-distributed hydrological models in the Bhagirathi-Alkhnanda River catchment in India. <i>Water Policy</i> , 2020, 22, 991-1014.	0.7	14
3535	Integrating satellite data with a Nitrogen Nutrition Curve for precision top-dress fertilization of durum wheat. <i>European Journal of Agronomy</i> , 2020, 120, 126148.	1.9	28
3536	Sea level prediction using climatic variables: a comparative study of SVM and hybrid wavelet SVM approaches. <i>Acta Geophysica</i> , 2020, 68, 1779-1790.	1.0	16
3537	Precipitation trends over the southern Andean Altiplano from 1981 to 2018. <i>Journal of Hydrology</i> , 2020, 590, 125485.	2.3	14
3538	Resistance coefficient for large-scale roughness with seepage through porous bed. <i>Journal of Hydrology</i> , 2020, 590, 125498.	2.3	2
3539	Quantitative assessment of nonlinear macro-models for global behavior and design of planar RC walls. <i>Engineering Structures</i> , 2020, 224, 111190.	2.6	10
3540	Impact of climate change on streamflow regime of a large Indian river basin using a novel monthly hybrid bias correction technique and a conceptual modeling framework. <i>Journal of Hydrology</i> , 2020, 590, 125448.	2.3	16
3541	Simulating Reservoir Induced Lhasa Streamflow Variability Using ArcSWAT. <i>Water (Switzerland)</i> , 2020, 12, 1370.	1.2	4
3542	Modelling runoff reduction through implementation of green and grey roofs in urban catchments using PCSWMM. <i>Urban Water Journal</i> , 2020, 17, 813-826.	1.0	15
3543	Simulating the Water Environmental Capacity of a Seasonal River Using a Combined Watershed-Water Quality Model. <i>Earth and Space Science</i> , 2020, 7, e2019EA001008.	1.1	7
3544	Comparison of a data-based model and a soil erosion model coupled with multiple linear regression for the prediction of reservoir sedimentation in a semi-arid environment. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2020, 5, 1.	0.6	13
3545	Impact of temporal rainfall resolution on daily streamflow simulations in a large-sized river basin. <i>Hydrological Sciences Journal</i> , 2020, 65, 2630-2645.	1.2	6

#	ARTICLE	IF	CITATIONS
3546	What Can We Learn from Comparing Glacio-Hydrological Models?. Atmosphere, 2020, 11, 981.	1.0	4
3547	Highly Resolved Rainfall-Runoff Simulation of Retrofitted Green Stormwater Infrastructure at the Micro-Watershed Scale. Land, 2020, 9, 339.	1.2	19
3548	Assessing the impacts of historical and future land use and climate change on the streamflow and sediment yield of a tropical mountainous river basin in South India. Environmental Monitoring and Assessment, 2020, 192, 679.	1.3	27
3549	Impact of climate change on hydrology components using CORDEX South Asia climate model in Wunna, Bharathpuzha, and Mahanadi, India. Environmental Monitoring and Assessment, 2020, 192, 678.	1.3	18
3550	Quantifying the impacts of land use/land cover change on the water balance in the afforested River Basin, Pakistan. Environmental Earth Sciences, 2020, 79, 1.	1.3	41
3551	Assessment of impacts of land use/land cover changes upstream of a dam in a semi-arid watershed using QSWAT. Modeling Earth Systems and Environment, 2021, 7, 2391-2406.	1.9	13
3552	Evaluation of adaptation options for reducing soil erosion due to climate change in the Swat River Basin of Pakistan. Ecological Engineering, 2020, 158, 106017.	1.6	16
3553	Impact of rapid urbanization on the threshold effect in the relationship between impervious surfaces and water quality in shanghai, China. Environmental Pollution, 2020, 267, 115569.	3.7	23
3554	A multi-model approach for analysing water balance and water-related ecosystem services in the Ouriyori catchment (Benin). Hydrological Sciences Journal, 2020, 65, 2453-2465.	1.2	2
3555	Assessing the impacts of land cover and climate on runoff and sediment yield of a river basin. Hydrological Sciences Journal, 2020, 65, 2097-2115.	1.2	32
3556	Improving Information Extraction From Simulated Discharge Using Sensitivity-Weighted Performance Criteria. Water Resources Research, 2020, 56, e2019WR025605.	1.7	2
3557	Impact of Climate and Land Use/Land Cover Change on the Water Resources of a Tropical Inland Valley Catchment in Uganda, East Africa. Climate, 2020, 8, 83.	1.2	19
3558	Predicting the spatiotemporal characteristics of flash droughts with downscaled CMIP5 models in the Jinghe River basin of China. Environmental Science and Pollution Research, 2020, 27, 40370-40382.	2.7	10
3559	Potential of rainfall data hybridization in a data-scarce region. Scientific African, 2020, 8, e00449.	0.7	2
3560	Locally tuned hybridized particle swarm optimization for the calibration of the nonlinear Muskingum flood routing model. Journal of Water and Climate Change, 2020, 11, 343-358.	1.2	18
3561	A Process-Based, Fully Distributed Soil Erosion and Sediment Transport Model for WRF-Hydro. Water (Switzerland), 2020, 12, 1840.	1.2	10
3562	A coupled RTD and mixed-order kinetic model to predict high rate algal pond wastewater treatment under different operational conditions: Performance assessment and sizing application. Biochemical Engineering Journal, 2020, 162, 107709.	1.8	4
3563	Comparative evaluation of different statistical tools for the prediction of uniaxial compressive strength of rocks. International Journal of Mining Science and Technology, 2020, 30, 785-797.	4.6	62

#	ARTICLE	IF	CITATIONS
3564	Improving the precipitation forecasts of the North-American multi model ensemble (NMME) over Sistan basin. <i>Journal of Hydrology</i> , 2020, 590, 125263.	2.3	18
3565	Temporal and spatial transferabilities of hydrological models under different climates and underlying surface conditions. <i>Journal of Hydrology</i> , 2020, 591, 125276.	2.3	23
3566	Evaluating satellite-based evapotranspiration estimates for hydrological applications in data-scarce regions: A case in Ethiopia. <i>Science of the Total Environment</i> , 2020, 743, 140702.	3.9	41
3567	Identification of critical areas and evaluation of best management practices using SWAT for sustainable watershed management. <i>Science of the Total Environment</i> , 2020, 744, 140737.	3.9	57
3568	Soil water balance models for determining crop water and irrigation requirements and irrigation scheduling focusing on the FAO56 method and the dual Kc approach. <i>Agricultural Water Management</i> , 2020, 241, 106357.	2.4	100
3569	Freeze-Thaw cycle representation alters response of watershed hydrology to future climate change. <i>Catena</i> , 2020, 195, 104767.	2.2	52
3570	Nitrification inhibitor reduces the inhibitory effect of N-(n-butyl) thiophosphoric triamide (NBPT) on the hydrolysis of urea. <i>Soil Science Society of America Journal</i> , 2020, 84, 1782-1794.	1.2	7
3571	Impact of precipitation data density and duration on simulated flow dynamics and implications for ecohydrological modelling of semi-arid catchments of Southern Africa. <i>Journal of Hydrology</i> , 2020, 590, 125280.	2.3	12
3572	The response of three Mediterranean karst springs to drought and the impact of climate change. <i>Journal of Hydrology</i> , 2020, 591, 125296.	2.3	31
3573	Improved hydrologic modeling for depression-dominated areas. <i>Journal of Hydrology</i> , 2020, 590, 125269.	2.3	11
3574	Land use change scenarios and their effects on hydropower energy in the Amazon. <i>Science of the Total Environment</i> , 2020, 744, 140981.	3.9	24
3575	Impacts of land-use and climate changes on surface runoff in a tropical forest watershed (Brazil). <i>Hydrological Sciences Journal</i> , 2020, 65, 1956-1973.	1.2	16
3576	A new analytical method for derivation of infiltration parameters. <i>Irrigation Science</i> , 2020, 38, 449-460.	1.3	10
3577	Sediment transport modeling by the SWAT model using two scenarios in the watershed of Beni Haroun dam in Algeria. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	8
3578	Optimization of the Hydrological Tank Model by Downhill Simplex Method. <i>International Journal of Civil Engineering</i> , 2020, 18, 1433-1450.	0.9	3
3579	Evaluation of Future Climate and Potential Impact on Streamflow in the Upper Nan River Basin of Northern Thailand. <i>Advances in Meteorology</i> , 2020, 2020, 1-15.	0.6	23
3580	Evaluating the Performance of Secondary Precipitation Products through Statistical and Hydrological Modeling in a Mountainous Tropical Basin of India. <i>Advances in Meteorology</i> , 2020, 2020, 1-23.	0.6	12
3581	Rill Erosion and Soil Quality in Forest and Deforested Ecosystems with Different Morphological Characteristics. <i>Resources</i> , 2020, 9, 129.	1.6	11

#	ARTICLE	IF	CITATIONS
3582	Stream flow modeling using SWAT model and the model performance evaluation in Toba sub-watershed, Ethiopia. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 2653-2665.	1.9	21
3583	Application of a newly developed large-scale conceptual hydrological model in simulating streamflow for credibility testing in data scarce condition. <i>Natural Resource Modelling</i> , 2020, 33, e12283.	0.8	9
3584	Effects of model calibration on hydrological and water resources management simulations under climate change in a semi-arid watershed. <i>Climatic Change</i> , 2020, 163, 1247-1266.	1.7	5
3585	Impacts of climate change on the flow of the transboundary Koshi River, with implications for local irrigation. <i>International Journal of Water Resources Development</i> , 2021, 37, 929-954.	1.2	26
3586	Multi-Scenario Integration Comparison of CMADS and TMPA Datasets for Hydro-Climatic Simulation over Ganjiang River Basin, China. <i>Water (Switzerland)</i> , 2020, 12, 3243.	1.2	7
3587	Potential for small hydropower development in the Lower Pra River Basin, Ghana. <i>Journal of Hydrology: Regional Studies</i> , 2020, 32, 100757.	1.0	11
3588	Willow phenological modelling at different altitudes in central Italy. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 737.	1.3	3
3589	Evaluation of TRMM 3B42V7 and CHIRPS Satellite Precipitation Products as an Input for Hydrological Model over Eastern Nile Basin. <i>Earth Systems and Environment</i> , 2020, 4, 685-698.	3.0	39
3590	Analyzing the Performance and Application of CERES-Wheat and APSIM in the Guanzhong Plain, China. <i>Transactions of the ASABE</i> , 2020, 63, 1879-1893.	1.1	7
3591	Performance evaluation of global hydrological models in six large Pan-Arctic watersheds. <i>Climatic Change</i> , 2020, 163, 1329-1351.	1.7	19
3592	Modeling climate change impact on the hydropower potential of the Bamboi catchment. <i>Modeling Earth Systems and Environment</i> , 2020, 7, 2709.	1.9	5
3593	Newly explored machine learning model for river flow time series forecasting at Mary River, Australia. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 761.	1.3	19
3594	Re-initiating depth-discharge monitoring in small-sized ungauged watersheds by combining remote sensing and hydrological modelling: a case study in Madagascar. <i>Hydrological Sciences Journal</i> , 2020, 65, 2709-2728.	1.2	14
3595	Impact of Coastal Wetland Restoration Plan on the Water Balance Components of Heeia Watershed, Hawaii. <i>Hydrology</i> , 2020, 7, 86.	1.3	2
3596	Analysis of the Uncertainty in Estimates of Manning's Roughness Coefficient and Bed Slope Using GLUE and DREAM. <i>Water (Switzerland)</i> , 2020, 12, 3270.	1.2	1
3597	Inter-Comparison of Gauge-Based Gridded Data, Reanalysis and Satellite Precipitation Product with an Emphasis on Hydrological Modeling. <i>Atmosphere</i> , 2020, 11, 1252.	1.0	27
3598	Ensemble Model Development for the Prediction of a Disaster Index in Water Treatment Systems. <i>Water (Switzerland)</i> , 2020, 12, 3195.	1.2	9
3599	Integrating the InVEST and SDSM Model for Estimating Water Provision Services in Response to Future Climate Change in Monsoon Basins of South China. <i>Water (Switzerland)</i> , 2020, 12, 3199.	1.2	7

#	ARTICLE	IF	CITATIONS
3600	Prediction of Water Level and Water Quality Using a CNN-LSTM Combined Deep Learning Approach. <i>Water (Switzerland)</i> , 2020, 12, 3399.	1.2	109
3601	Modeling hydrological response to land use/cover change: case study of Chirah Watershed (Soan) Tj ETQq1 1 0.784314 rgBT ₂ /Overlo	0.6	2
3602	The Assessment of Climate Change and Land-Use Influences on the Runoff of a Typical Coastal Basin in Northern China. <i>Sustainability</i> , 2020, 12, 10050.	1.6	10
3603	Simulation of Heavy Metal Pollution of Watercourses in the Basin of the Nizhnekamskoe Reservoir. <i>Water Resources</i> , 2020, 47, 794-809.	0.3	2
3604	Adapting the APEX Model to Simulate Detasseling in Inbred Corn for Hybrid Seed Production. <i>Transactions of the ASABE</i> , 2020, 63, 1169-1179.	1.1	0
3605	Mathematical Modeling of Watersheds as a Subsidy for Reservoir Water Balance Determination: The Case of ParanoÃ¡ Lake, Federal District, Brazil. <i>Hydrology</i> , 2020, 7, 85.	1.3	5
3606	Derivation of Interannual Climate Elasticity of Streamflow. <i>Water Resources Research</i> , 2020, 56, e2020WR027703.	1.7	6
3607	Application of the AquaCrop model in decision support for optimization of nitrogen fertilizer and water productivity of soybeans. <i>Information Processing in Agriculture</i> , 2021, 8, 419-436.	2.9	10
3608	Plot-Scale Agroforestry Modeling Explores Tree Pruning and Fertilizer Interactions for Maize Production in a Faidherbia Parkland. <i>Forests</i> , 2020, 11, 1175.	0.9	13
3609	Co-designed Land-use Scenarios and their Implications for Storm Runoff and Streamflow in New England. <i>Environmental Management</i> , 2020, 66, 785-800.	1.2	3
3610	Modeling impacts of future climate change on reservoir storages and irrigation water demands in a Mediterranean basin. <i>Science of the Total Environment</i> , 2020, 748, 141246.	3.9	39
3611	Sequential Imputation of Missing Spatio-Temporal Precipitation Data Using Random Forests. <i>Frontiers in Water</i> , 2020, 2, .	1.0	24
3612	Isoscape Analysis for Elucidating Relationships between Soil Redistribution and Soil Carbon Dynamics. , 2020, , .		0
3613	Uncertainty analysis of artificial intelligence modeling daily reference evapotranspiration in the northwest end of China. <i>Computers and Electronics in Agriculture</i> , 2020, 176, 105653.	3.7	44
3614	Water scarcity in the Yellow River Basin under future climate change and human activities. <i>Science of the Total Environment</i> , 2020, 749, 141446.	3.9	97
3615	Simulating Honey Bee Largeâ€Scale Colony Feeding Studies Using the BEEHAVE Modelâ€Part I: Model Validation. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2269-2285.	2.2	10
3616	Quantitative source identification and apportionment of heavy metals under two different land use types: comparison of two receptor models APCS-MLR and PMF. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42996-43010.	2.7	37
3617	Reconstruction of past rainfall erosivity and trend detection based on the REDES database and reanalysis rainfall. <i>Journal of Hydrology</i> , 2020, 590, 125372.	2.3	30

#	ARTICLE	IF	CITATIONS
3618	Hydrological modeling for the Piracicaba River basin to support water management and ecosystem services. <i>Journal of South American Earth Sciences</i> , 2020, 103, 102752.	0.6	6
3619	Evaluation of the soil and water assessment tool (SWAT) for simulating <i>E. coli</i> concentrations at the watershed-scale. <i>Science of the Total Environment</i> , 2020, 746, 140669.	3.9	15
3620	How global warming alters future maize yield and water use efficiency in China. <i>Technological Forecasting and Social Change</i> , 2020, 160, 120229.	6.2	13
3621	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. <i>PLoS ONE</i> , 2020, 15, e0230888.	1.1	19
3622	Assessment of impacts of change in land use and climatic variables on runoff in Tajan River Basin. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 2779-2793.	1.0	6
3623	Predicting enteric methane production from cattle in the tropics. <i>Animal</i> , 2020, 14, s438-s452.	1.3	16
3624	Discharge estimation for medium-sized river using multi-temporal remote sensing data: a case study in Brazil. <i>Hydrological Sciences Journal</i> , 2020, 65, 2402-2418.	1.2	2
3625	Using water footprint concepts for water security assessment of a basin under anthropogenic pressures. <i>Science of the Total Environment</i> , 2020, 748, 141356.	3.9	33
3626	Monthly suspended sediment load prediction using artificial intelligence: testing of a new random subspace method. <i>Hydrological Sciences Journal</i> , 2020, 65, 2116-2127.	1.2	29
3627	Impacts of urban drainage systems on stormwater hydrology: Rocky Branch Watershed, Columbia, South Carolina. <i>Journal of Flood Risk Management</i> , 2020, 13, e12643.	1.6	11
3628	Assessing the Performance of Different Time of Concentration Equations in Urban Ungauged Watersheds: Case Study of Cartagena de Indias, Colombia. <i>Hydrology</i> , 2020, 7, 47.	1.3	8
3629	A new integrated data mining model to map spatial variation in the susceptibility of land to act as a source of aeolian dust. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42022-42039.	2.7	26
3630	SWAT ungauged: Water quality modeling in the Upper Mississippi River Basin. <i>Journal of Hydrology</i> , 2020, 584, 124601.	2.3	36
3631	Determination of Sediment Rating Curve In Dry Season In Bedagai Watersheds. <i>Journal of Physics: Conference Series</i> , 2020, 1542, 012036.	0.3	0
3632	An Evaluation Matrix to Compare Computer Hydrological Models for Flood Predictions. <i>Hydrology</i> , 2020, 7, 42.	1.3	19
3633	Flooding Urban Landscapes: Analysis Using Combined Hydrodynamic and Hydrologic Modeling Approaches. <i>Water (Switzerland)</i> , 2020, 12, 1986.	1.2	16
3634	Improving SWAT Model Calibration Using Soil MERGE (SMERGE). <i>Water (Switzerland)</i> , 2020, 12, 2039.	1.2	5
3635	Investigating the Role of Hydrological Model Parameter Uncertainties in Future Streamflow Projections. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 05020035.	0.8	2

#	ARTICLE	IF	CITATIONS
3636	Water balance components estimation under scenarios of land cover change in the Vea catchment, West Africa. <i>Hydrological Sciences Journal</i> , 2020, 65, 2196-2209.	1.2	15
3637	Numerical Modeling of Microbial Fate and Transport in Natural Waters: Review and Implications for Normal and Extreme Storm Events. <i>Water (Switzerland)</i> , 2020, 12, 1876.	1.2	13
3638	Modeling Future Streamflow for Adaptive Water Allocation under Climate Change for the Tanjung Karang Rice Irrigation Scheme Malaysia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4885.	1.3	5
3639	Hydrologic Assessment of TRMM and GPM-Based Precipitation Products in Transboundary River Catchment (Chenab River, Pakistan). <i>Water (Switzerland)</i> , 2020, 12, 1902.	1.2	20
3640	Effects of Irrigation Discharge on Salinity of a Large Freshwater Lake: A Case Study in Chagan Lake, Northeast China. <i>Water (Switzerland)</i> , 2020, 12, 2112.	1.2	16
3641	Quantification of climate change and land cover/use transition impacts on runoff variations in the upper Hailar Basin, NE China. <i>Hydrology Research</i> , 2020, 51, 976-993.	1.1	2
3642	Simulation of the Potential Impacts of Projected Climate Change on Streamflow in the Vakhsh River Basin in Central Asia under CMIP5 RCP Scenarios. <i>Water (Switzerland)</i> , 2020, 12, 1426.	1.2	21
3643	Forecast of short-term daily reference evapotranspiration under limited meteorological variables using a hybrid bi-directional long short-term memory model (Bi-LSTM). <i>Agricultural Water Management</i> , 2020, 242, 106386.	2.4	84
3644	Performance assessment of Hybrid-Maize model for rainfed, limited and full irrigation conditions. <i>Agricultural Water Management</i> , 2020, 242, 106402.	2.4	10
3645	Improving a Biogeochemical Model to Simulate Surface Energy, Greenhouse Gas Fluxes, and Radiative Forcing for Different Land Use Types in Northeastern United States. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019CB006520.	1.9	6
3646	Skill assessment of global climate model wind speed from CMIP5 and CMIP6 and evaluation of projections for the Bay of Bengal. <i>Climate Dynamics</i> , 2020, 55, 2667-2687.	1.7	29
3647	Numerical modelling of the impacts of water abstraction for hydraulic fracturing on groundwater-surface water interaction: a case study from northwestern Alberta, Canada. <i>Hydrological Sciences Journal</i> , 2020, 65, 2142-2158.	1.2	3
3648	Modeling sediment yield of Rib watershed, Northwest Ethiopia. <i>ISH Journal of Hydraulic Engineering</i> , 2022, 28, 491-502.	1.1	9
3649	Development of alternative SWAT-based models for simulating water budget components and streamflow for a karstic-influenced watershed. <i>Catena</i> , 2020, 195, 104801.	2.2	27
3650	Modeling Processes-Based Biogeochemical Dynamics in Surface Fresh Waters of Large Watersheds With the IMAGE-DGNM Framework. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001796.	1.3	16
3651	Exploring the multiscale hydrologic regulation of multipond systems in a humid agricultural catchment. <i>Water Research</i> , 2020, 184, 115987.	5.3	18
3652	Adequacy of Linear Models for Estimating Stormwater Best Management Practice Treatment Performance. <i>Journal of Sustainable Water in the Built Environment</i> , 2020, 6, .	0.9	4
3653	The Interactive Impact of Land Cover and DEM Resolution on the Accuracy of Computed Streamflow Using the SWAT Model. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	15

#	ARTICLE	IF	CITATIONS
3654	Daily Water Level Prediction of Zrebar Lake (Iran): A Comparison between M5P, Random Forest, Random Tree and Reduced Error Pruning Trees Algorithms. ISPRS International Journal of Geo-Information, 2020, 9, 479.	1.4	42
3655	Species-specific macroinvertebrate responses to climate and land use scenarios in a Mediterranean catchment revealed by an integrated modelling approach. Ecological Indicators, 2020, 118, 106766.	2.6	5
3656	Evaluation of seasonal evapotranspiration of winter wheat in humid region of East China using large-weighted lysimeter and three models. Journal of Hydrology, 2020, 590, 125388.	2.3	14
3657	Remote-sensing precipitation and temperature evaluation using soil and water assessment tool with multiobjective calibration in the Shiyang River Basin, Northwest China. Journal of Hydrology, 2020, 590, 125416.	2.3	19
3658	Comparison of single-site, multi-site and multi-variable SWAT calibration strategies. Hydrological Sciences Journal, 2020, 65, 2376-2389.	1.2	25
3659	Assessing the impacts of land use/land cover and climate change on surface runoff of a humid tropical river basin in Western Ghats, India. International Journal of River Basin Management, 2023, 21, 141-152.	1.5	28
3660	Assessment of Groundwater Recharge in Agro-Urban Watersheds Using Integrated SWAT-MODFLOW Model. Sustainability, 2020, 12, 6593.	1.6	28
3661	Adjusting wastewater treatment effluent standards to protect the receiving waters: the case of low-flow rivers in central Spain. Environmental Earth Sciences, 2020, 79, 1.	1.3	2
3662	Analysis of ambo water supply source diversion weir sedimentation and assessing impact of land management practice through hydrological studies. Sustainable Water Resources Management, 2020, 6, 1.	1.0	5
3663	Modeling the spatio-temporal flow dynamics of groundwater-surface water interactions of the Lake Tana Basin, Upper Blue Nile, Ethiopia. Hydrology Research, 2020, 51, 1537-1559.	1.1	15
3664	Predicting hydrologic responses to climate changes in highly glacierized and mountainous region Upper Indus Basin. Royal Society Open Science, 2020, 7, 191957.	1.1	30
3665	The middle Huaihe River stability analysis and optimization of hydrological chaos forecasting model. Geomatics, Natural Hazards and Risk, 2020, 11, 1805-1826.	2.0	4
3666	A Methodological Framework for Identification of Baseline Scenario and Assessing the Impact of DEM Scenarios on SWAT Model Outputs. Water Resources Management, 2020, 34, 4795-4814.	1.9	8
3667	Integrating a hydrological model into regional water policies: Co-creation of climate change dynamic adaptive policy pathways for water resources in southern Portugal. Environmental Science and Policy, 2020, 114, 519-532.	2.4	22
3668	Approaching 80 years of snow water equivalent information by merging different data streams. Scientific Data, 2020, 7, 333.	2.4	14
3669	Comparación de modelación por Inteligencia Artificial y Regresión Multivariable del comportamiento a flexión del UHPFRC. DYNA (Colombia), 2020, 87, 258-267.	0.2	6
3670	Improving Hydrologic Simulations of a Small Watershed through Soil Data Integration. Water (Switzerland), 2020, 12, 2763.	1.2	2
3671	Simulating hydrological response of a monsoon dominated reservoir catchment and command with heterogeneous cropping pattern using VIC model. Journal of Earth System Science, 2020, 129, 1.	0.6	20

#	ARTICLE	IF	CITATIONS
3672	The effects of land use land cover change on hydrological flow in Giba catchment, Tigray, Ethiopia. Cogent Environmental Science, 2020, 6, .	1.6	13
3673	Modeling climate change impact on streamflow as affected by snowmelt in Nicolet River Watershed, Quebec. Computers and Electronics in Agriculture, 2020, 178, 105756.	3.7	9
3674	Correlation Analysis between Air Temperature and MODIS Land Surface Temperature and Prediction of Air Temperature Using TensorFlow Long Short-Term Memory for the Period of Occurrence of Cold and Heat Waves. Remote Sensing, 2020, 12, 3231.	1.8	13
3675	Development of reservoirs' optimum operation rules considering water quality issues and climatic change data analysis. Sustainable Cities and Society, 2020, 63, 102467.	5.1	7
3676	What about reservoirs? Questioning anthropogenic and climatic interferences on water availability. Hydrological Processes, 2020, 34, 5441-5455.	1.1	15
3677	Determination of water erosion in Kowsar catchment area and evaluation of Gabion structures in its control. Environmental Earth Sciences, 2020, 79, 1.	1.3	1
3678	Assessing Hydrological Vulnerability to Future Droughts in a Mediterranean Watershed: Combined Indices-Based and Distributed Modeling Approaches. Water (Switzerland), 2020, 12, 2333.	1.2	18
3679	Streamflow estimation in ungauged basins using watershed classification and regionalization techniques. Journal of Earth System Science, 2020, 129, 1.	0.6	17
3680	Effects of River Partial Penetration on the Occurrence of Riparian Freshwater Lenses: Theoretical Development. Water Resources Research, 2020, 56, e2020WR027786.	1.7	7
3681	Comparison of spatial interpolation methods for the estimation of precipitation patterns at different time scales to improve the accuracy of discharge simulations. Hydrology Research, 2020, 51, 583-601.	1.1	19
3682	Open-Surface River Extraction Based on Sentinel-2 MSI Imagery and DEM Data: Case Study of the Upper Yellow River. Remote Sensing, 2020, 12, 2737.	1.8	21
3683	MIDAS: A New Integrated Flood Early Warning System for the Mião River. Water (Switzerland), 2020, 12, 2319.	1.2	17
3684	Evaluation of Irrigation Water Resources Availability and Climate Change Impacts—A Case Study of Mwea Irrigation Scheme, Kenya. Water (Switzerland), 2020, 12, 2330.	1.2	16
3685	A Study on an Integrated Water Quantity and Water Quality Evaluation Method for the Implementation of Integrated Water Resource Management Policies in the Republic of Korea. Water (Switzerland), 2020, 12, 2346.	1.2	6
3686	A Holistic Modelling Approach for the Estimation of Return Levels of Peak Flows in Bavaria. Water (Switzerland), 2020, 12, 2349.	1.2	6
3687	Comparison Study of Multiple Precipitation Forcing Data on Hydrological Modeling and Projection in the Qujiang River Basin. Water (Switzerland), 2020, 12, 2626.	1.2	13
3688	Hydrological evaluation of global gridded precipitation datasets in a heterogeneous and data-scarce basin in Iran. Journal of Earth System Science, 2020, 129, 1.	0.6	4
3689	Modeling arid/semi-arid irrigated agricultural watersheds with SWAT: Applications, challenges, and solution strategies. Journal of Hydrology, 2020, 590, 125418.	2.3	53

#	ARTICLE	IF	CITATIONS
3690	Assessing land use and land cover change detection using remote sensing in the Lake Tana Basin, Northwest Ethiopia. <i>Cogent Environmental Science</i> , 2020, 6, .	1.6	85
3691	Experimentally Verified Alcohol Adsorption Isotherms in Nanoporous Materials from Literature Meta-Analysis. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 4970-4979.	1.0	20
3692	Evaluating Surface Runoff Responses to Land Use Changes in a Data Scarce Basin: a Case Study in Palas Basin, Turkey. <i>Water Resources</i> , 2020, 47, 828-834.	0.3	4
3693	Evaluation of Satellite Precipitation Products for Hydrological Modeling in the Brazilian Cerrado Biome. <i>Water (Switzerland)</i> , 2020, 12, 2571.	1.2	31
3694	An integrated approach of flash flood analysis in ungauged Mediterranean watersheds using post-flood surveys and unmanned aerial vehicles. <i>Hydrological Processes</i> , 2020, 34, 4920-4939.	1.1	49
3695	Relating Sediment Yield Estimations to the Wet Front Term Using Rainfall Simulator Field Experiments. <i>Water Resources Management</i> , 2020, 34, 4181-4196.	1.9	1
3696	Assessing Impacts of Conservation Measures on Watershed Hydrology Using MIKE SHE Model in the Face of Climate Change. <i>Water Resources Management</i> , 2020, 34, 4233-4252.	1.9	29
3697	Impacts of Climate Change and Human Activity on the Runoff Changes in the Guishui River Basin. <i>Land</i> , 2020, 9, 291.	1.2	10
3698	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.	1.2	6
3699	Integration of Adaptive Emulators and Sensitivity Analysis for Enhancement of Complex Hydrological Models. <i>Environmental Processes</i> , 2020, 7, 1235-1253.	1.7	13
3700	Improved Rainfall Prediction through Nonlinear Autoregressive Network with Exogenous Variables: A Case Study in Andes High Mountain Region. <i>Advances in Meteorology</i> , 2020, 2020, 1-17.	0.6	8
3701	Multi-parameter calibration of a UV/Vis spectrometer for online monitoring of sewer systems. <i>Water Science and Technology</i> , 2020, 82, 927-939.	1.2	10
3702	Estimating River Sediment Discharge in the Upper Mississippi River Using Landsat Imagery. <i>Remote Sensing</i> , 2020, 12, 2370.	1.8	5
3703	Development of a SWAT Hydropower Operation Routine and Its Application to Assessing Hydrological Alterations in the Mekong. <i>Water (Switzerland)</i> , 2020, 12, 2193.	1.2	11
3704	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.	1.2	10
3705	Socioeconomic Drought Under Growing Population and Changing Climate: A New Index Considering the Resilience of a Regional Water Resources System. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033005.	1.2	34
3706	Estimating Suspended Sediment Concentrations from River Discharge Data for Reconstructing Gaps of Information of Long-Term Variability Studies. <i>Water (Switzerland)</i> , 2020, 12, 2382.	1.2	15
3707	Estimation of sediment load for Himalayan Rivers: Case study of Kaligandaki in Nepal. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	12

#	ARTICLE	IF	CITATIONS
3708	Evaluation of Satellite Precipitation Products in Simulating Streamflow in a Humid Tropical Catchment of India Using a Semi-Distributed Hydrological Model. <i>Water (Switzerland)</i> , 2020, 12, 2400.	1.2	20
3709	Improving Reservoir Outflow Estimation for Ungauged Basins Using Satellite Observations and a Hydrological Model. <i>Water Resources Research</i> , 2020, 56, e2020WR027590.	1.7	34
3710	Application of the Soil and Water Assessment Tool (SWAT) at Field Scale: Categorizing Methods and Review of Applications. <i>Transactions of the ASABE</i> , 2020, 63, 513-522.	1.1	16
3711	Application of Water Quality Index and Water Quality Model QUAL2K for Evaluation of Pollutants in Dez River, Iran. <i>Water Resources</i> , 2020, 47, 892-903.	0.3	11
3712	Applications of Gene Expression Programming and Regression Techniques for Estimating Compressive Strength of Bagasse Ash based Concrete. <i>Crystals</i> , 2020, 10, 737.	1.0	109
3713	Evaluating the impact of climate change on stream flow: integrating GCM, hydraulic modelling and functional data analysis. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	3
3714	Integrating water use systems and soil and water conservation measures into a hydrological model of an Iranian Wadi system. <i>Journal of Arid Land</i> , 2020, 12, 545-560.	0.9	8
3715	An innovative approach to rainwater harvesting for irrigation based on El Niño Southern Oscillation forecasts. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 565-578.	0.8	6
3716	A Multi-Disciplinary Approach to Understand Hydrologic and Geochemical Processes at Koiliaris Critical Zone Observatory. <i>Water (Switzerland)</i> , 2020, 12, 2474.	1.2	4
3717	Improved Estimators of Model Performance Efficiency for Skewed Hydrologic Data. <i>Water Resources Research</i> , 2020, 56, e2020WR027101.	1.7	44
3718	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.	1.6	11
3719	A generalization of the EBA4SUB rainfall-runoff model considering surface and subsurface flow. <i>Hydrological Sciences Journal</i> , 2020, 65, 2390-2401.	1.2	13
3720	Rainfall Intensity-Duration-Frequency Relations under Changing Climate for Selected Stations in the Tigray Region, Ethiopia. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	7
3721	The Nile Water-Food-Energy Nexus under Uncertainty: Impacts of the Grand Ethiopian Renaissance Dam. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	26
3722	Calibrating the APEX Model for Simulations of Environmental and Agronomic Outcomes on Dairy Farms in the Northeast U.S.: A Step-by-Step Example. <i>Applied Engineering in Agriculture</i> , 2020, 36, 281-301.	0.3	4
3723	Modelling localized sources of sediment in mountain catchments for provenance studies. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3475-3487.	1.2	11
3724	A multi-scale approach for simulating tidal marsh evolution. <i>Ocean Dynamics</i> , 2020, 70, 1187-1209.	0.9	4
3725	Hydrological Response to Agricultural Land Use Heterogeneity Using Variable Infiltration Capacity Model. <i>Water Resources Management</i> , 2020, 34, 3779-3794.	1.9	72

#	ARTICLE	IF	CITATIONS
3726	Impact of Land Cover Change on Surface Runoff in the Walnut Gulch Experimental Watershed. , 2020, , .		0
3727	The Role of Mangroves in the Retention of Heavy Metal (Chromium): A Simulation Study in the Thi Vai River Catchment, Vietnam. International Journal of Environmental Research and Public Health, 2020, 17, 5823.	1.2	20
3728	Accuracy Analysis of IMERG Satellite Rainfall Data and Its Application in Long-term Runoff Simulation. Water (Switzerland), 2020, 12, 2177.	1.2	8
3729	Performance of preferential flow models in predicting infiltration through a remolded soil with artificial macropores. Vadose Zone Journal, 2020, 19, e20055.	1.3	4
3730	Conceptual Model of Arsenic Mobility in the Shallow Alluvial Aquifers Near Venice (Italy) Elucidated Through Machine Learning and Geochemical Modeling. Water Resources Research, 2020, 56, e2019WR026234.	1.7	11
3731	Improving the Applicability of the SWAT Model to Simulate Flow and Nitrate Dynamics in a Flat Data-Scarce Agricultural Region in the Mediterranean. Water (Switzerland), 2020, 12, 3479.	1.2	16
3732	Spatiotemporal variation in nitrogen loads and their impacts on river water quality in the upper Yangtze River basin. Journal of Hydrology, 2020, 590, 125487.	2.3	33
3733	Understanding the Role of Shallow Groundwater in Improving Field Water Productivity in Arid Areas. Water (Switzerland), 2020, 12, 3519.	1.2	4
3734	Smart Climate Hydropower Tool: A Machine-Learning Seasonal Forecasting Climate Service to Support Costâ€‘Benefit Analysis of Reservoir Management. Atmosphere, 2020, 11, 1305.	1.0	10
3735	Modeling the Soil Response to Rainstorms after Wildfire and Prescribed Fire in Mediterranean Forests. Climate, 2020, 8, 150.	1.2	25
3736	Simulation of Rainfall-Induced Floods in Small Catchments (the Polometâ€™ River, North-West Russia) Using Rain Gauge and Radar Data. Hydrology, 2020, 7, 92.	1.3	5
3737	Evaluation of Precipitation Products by Using Multiple Hydrological Models over the Upper Yellow River Basin, China. Remote Sensing, 2020, 12, 4023.	1.8	19
3738	Farm-Scale Biofuel Crop Adoption and Its Effects on In-Basin Water Balance. Sustainability, 2020, 12, 10596.	1.6	6
3739	Downscaling Regional Hydrological Forecast for Operational Use in Local Early Warning: HYPE Models in the Sirba River. Water (Switzerland), 2020, 12, 3504.	1.2	11
3740	Evaluation of AnnAGNPS Model for Runoff Simulation on Watersheds from Glaciated Landscape of USA Midwest and Northeast. Water (Switzerland), 2020, 12, 3525.	1.2	5
3741	Mass balance calibration and reservoir representations for large-scale hydrological impact studies using SWAT+. Climatic Change, 2020, 163, 1307-1327.	1.7	32
3742	A generic composite measure of similarity between geospatial variables. Ecological Informatics, 2020, 60, 101169.	2.3	1
3743	Comparison of Interpolation Techniques for Assessment of Spatial Variability of Soil Chemical Properties for Oil Palm Plantation Zonal Management. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012066.	0.2	2

#	ARTICLE	IF	CITATIONS
3744	Sensitivity analysis of the SWAT model to spatial distribution of precipitation in streamflow simulation in an Arctic watershed. IOP Conference Series: Earth and Environmental Science, 2020, 581, 012025.	0.2	0
3745	Assessment of Hydrology and Sediment Yield in the Mekong River Basin Using SWAT Model. Water (Switzerland), 2020, 12, 3503.	1.2	25
3746	Evaluation of the Impact of Climate Change on Runoff Generation in an Andean Glacier Watershed. Water (Switzerland), 2020, 12, 3547.	1.2	15
3747	Assessment of Rain Garden Effects for the Management of Urban Storm Runoff in Japan. Sustainability, 2020, 12, 9982.	1.6	29
3748	Current extent, temporal trends, and rates of gully erosion in the Gumara watershed, Northwestern Ethiopia. Global Ecology and Conservation, 2020, 24, e01255.	1.0	16
3749	Transformation of climate and its sway on hydro-climatology using representative concentration pathways (RCP) in Geba catchment of Ethiopia. Modeling Earth Systems and Environment, 2021, 7, 2439-2451.	1.9	8
3750	Impact of variability in decay coefficients on simulating monochloramine dissipation in storm sewers. Journal of Hydrology, 2020, 590, 125238.	2.3	1
3751	Flow regime alteration analysis under climate change in Tonle Sap Subbasin. IOP Conference Series: Earth and Environmental Science, 2020, 479, 012007.	0.2	1
3752	A simple model for predicting soil infiltration rate for vertical line source irrigation. IOP Conference Series: Earth and Environmental Science, 2020, 569, 012068.	0.2	0
3753	Hydrologic impacts and trade-offs associated with developing oil palm for bioenergy in Tabasco, Mexico. Journal of Hydrology: Regional Studies, 2020, 31, 100722.	1.0	5
3754	Water Use Conflict and Coordination between Agricultural and Wetlands—A Case Study of Yanqi Basin. Water (Switzerland), 2020, 12, 3225.	1.2	7
3755	Water balance of Maninjau watershed with SWAT hydrological model. IOP Conference Series: Earth and Environmental Science, 2020, 535, 012035.	0.2	1
3756	In Situ Observations and Lumped Parameter Model Reconstructions Reveal Intra-Annual to Multidecadal Variability in Groundwater Levels in Sub-Saharan Africa. Water Resources Research, 2020, 56, e2020WR028056.	1.7	20
3757	Improved runoff curve numbers for a large number of watersheds of the USA. Hydrological Sciences Journal, 2020, 65, 2658-2668.	1.2	13
3758	In-situ soil moisture data improve seasonal streamflow forecast accuracy in rainfall-dominated watersheds. Journal of Hydrology, 2020, 590, 125404.	2.3	14
3759	Assessment of Landsat-Based Evapotranspiration Using Weighing Lysimeters in the Texas High Plains. Agronomy, 2020, 10, 1688.	1.3	2
3760	Appraisal of Climate Change and Its Impact on Water Resources of Pakistan: A Case Study of Mangla Watershed. Atmosphere, 2020, 11, 1071.	1.0	19
3761	Electro-Hydraulic Transient Regimes in Isolated Pumps Working as Turbines with Self-Excited Induction Generators. Energies, 2020, 13, 4521.	1.6	9

#	ARTICLE	IF	CITATIONS
3762	Assessment of Direct Normal Irradiance Forecasts Based on IFS/ECMWF Data and Observations in the South of Portugal. <i>Forecasting</i> , 2020, 2, 130-150.	1.6	5
3763	Delineation of Soil Fertility Management Zones for Site-specific Nutrient Management in the Maize Belt Region of Nigeria. <i>Sustainability</i> , 2020, 12, 9010.	1.6	9
3764	Evaluation of Uncertainty Intervals for Daily, Statistically Derived Streamflow Estimates at Ungaged Basins across the Continental U.S.. <i>Water (Switzerland)</i> , 2020, 12, 1390.	1.2	2
3765	Evaluation of 32 Simple Equations against the Penman-Monteith Method to Estimate the Reference Evapotranspiration in the Hexi Corridor, Northwest China. <i>Water (Switzerland)</i> , 2020, 12, 2772.	1.2	19
3766	Current and Future Ecological Status Assessment: A New Holistic Approach for Watershed Management. <i>Water (Switzerland)</i> , 2020, 12, 2839.	1.2	5
3767	Evaluation of Different Objective Functions Used in the SUFI-2 Calibration Process of SWAT-CUP on Water Balance Analysis: A Case Study of the Pursat River Basin, Cambodia. <i>Water (Switzerland)</i> , 2020, 12, 2901.	1.2	39
3768	Influence of Unsteady Flow Induced by a Large-Scale Hydropower Station on the Water Level Fluctuation of Multi-Approach Channels: A Case Study of the Three Gorges Project, China. <i>Water (Switzerland)</i> , 2020, 12, 2922.	1.2	5
3769	Comparison of wavelet and empirical mode decomposition hybrid models in drought prediction. <i>Computers and Electronics in Agriculture</i> , 2020, 179, 105851.	3.7	55
3770	Succession mechanism of microbial community with high species diversity in nutrient-deficient environments with low-dose ionizing radiation. <i>Ecological Modelling</i> , 2020, 435, 109270.	1.2	5
3771	Hydrologic response to land use land cover change in the Upper Gidabo Watershed, Rift Valley Lakes Basin, Ethiopia. <i>HydroResearch</i> , 2020, 3, 85-94.	1.7	32
3772	A rational performance criterion for hydrological model. <i>Journal of Hydrology</i> , 2020, 590, 125488.	2.3	49
3773	Estimation of daily dissolved oxygen concentration for river water quality using conventional regression analysis, multivariate adaptive regression splines, and TreeNet techniques. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 752.	1.3	12
3774	Global-scale daily riverine DOC fluxes from lands to the oceans with a generic model. <i>Global and Planetary Change</i> , 2020, 194, 103294.	1.6	11
3775	The Importance of High Resolution Digital Elevation Models for Improved Hydrological Simulations of a Mediterranean Forested Catchment. <i>Remote Sensing</i> , 2020, 12, 3287.	1.8	31
3776	Sanitation Network Sulfide Modeling as a Tool for Asset Management. The Case of the City of Murcia (Spain). <i>Sustainability</i> , 2020, 12, 7643.	1.6	4
3777	Urban Runoff Simulation: How Do Land Use/Cover Change Patterning and Geospatial Data Quality Impact Model Outcome?. <i>Water (Switzerland)</i> , 2020, 12, 2715.	1.2	12
3778	Assessment of the Impact of Sand Mining on Bottom Morphology in the Mekong River in An Giang Province, Vietnam, Using a Hydro-Morphological Model with GPU Computing. <i>Water (Switzerland)</i> , 2020, 12, 2912.	1.2	17
3779	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.	1.2	6

#	ARTICLE	IF	CITATIONS
3780	Impact of projected climate change on seawater intrusion on a regional coastal aquifer. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	8
3781	Currents Status, Challenges, and Future Directions in Identifying Critical Source Areas for Non-Point Source Pollution in Canadian Conditions. <i>Agriculture (Switzerland)</i> , 2020, 10, 468.	1.4	24
3782	Long-Lead Predictions of Warm Season Droughts in South Korea Using North Atlantic SST. <i>Journal of Climate</i> , 2020, 33, 4659-4677.	1.2	8
3783	Using time domain reflectometry to estimate water content of three soil orders under savanna in Brazil. <i>Geoderma Regional</i> , 2020, 21, e00280.	0.9	6
3784	A convex distribution of vegetation along a stony soil slope due to subsurface flow in the semiarid Loess Plateau, northwest China. <i>Journal of Hydrology</i> , 2020, 586, 124861.	2.3	3
3785	Assessing Compound Flooding From Landfalling Tropical Cyclones on the North Carolina Coast. <i>Water Resources Research</i> , 2020, 56, e2019WR026788.	1.7	76
3786	Bivariate flood distribution analysis under parametric copula framework: a case study for Kelantan River basin in Malaysia. <i>Acta Geophysica</i> , 2020, 68, 821-859.	1.0	9
3787	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Hydrological model development using multi-site calibration approach (Part-A). <i>Journal of Hydrology: Regional Studies</i> , 2020, 29, 100690.	1.0	18
3788	Generalized model for plantation production of <i>Eucalyptus grandis</i> and hybrids for genotype-site-management applications. <i>Forest Ecology and Management</i> , 2020, 469, 118164.	1.4	14
3789	Conservation tillage effects in the Atlantic Coastal Plain: An APEX examination. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 400-415.	0.8	7
3790	Water flow and nitrate transfer simulations in rice cultivation under different irrigation and nitrogen fertilizer application managements by HYDRUS-2D model. <i>Irrigation Science</i> , 2020, 38, 353-363.	1.3	11
3791	Assessing the Impacts of Vegetation Greenness Change on Evapotranspiration and Water Yield in China. <i>Water Resources Research</i> , 2020, 56, e2019WR027019.	1.7	84
3792	Effects of Landscape Pattern Change on Water Yield and Nonpoint Source Pollution in the Hun-Taizi River Watershed, China. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3060.	1.2	14
3793	The impact of climate change on a Mediterranean shallow lake: insights based on catchment and lake modelling. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	30
3794	Analyzing the Variability of Remote Sensing and Hydrologic Model Evapotranspiration Products in a Watershed in Michigan. <i>Journal of the American Water Resources Association</i> , 2020, 56, 738-755.	1.0	1
3795	Determining Optimum Irrigation Termination Periods for Cotton Production in the Texas High Plains. <i>Transactions of the ASABE</i> , 2020, 63, 105-115.	1.1	19
3796	Sound Analysis to Predict the Growth of Turkeys. <i>Animals</i> , 2020, 10, 866.	1.0	8
3797	Improving regional groundwater storage estimates from GRACE and global hydrological models over Tasmania, Australia. <i>Hydrogeology Journal</i> , 2020, 28, 1809-1825.	0.9	28

#	ARTICLE	IF	CITATIONS
3798	Evaluation of two satellite-based products against ground-based observation for drought analysis in the southern part of Iran. <i>Natural Hazards</i> , 2020, 102, 1249-1267.	1.6	12
3799	Quantifying the impacts of the Conservation Effects Assessment Project watershed assessments: The first fifteen years. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 57A-74A.	0.8	20
3800	Spatiotemporal Dynamics of Nitrogen Transport in the Qiandao Lake Basin, a Large Hilly Monsoon Basin of Southeastern China. <i>Water (Switzerland)</i> , 2020, 12, 1075.	1.2	7
3801	Developing a hydro-chemical model of Ise Bay watersheds and the evaluation of climate change impacts on discharge and nitrate-nitrogen loads. <i>Limnology</i> , 2020, 21, 465-486.	0.8	2
3802	Analyzing Uncertainty Drivers of Climate Change Impact Studies in Tropical and Arid Climates. <i>Water Resources Management</i> , 2020, 34, 2097-2109.	1.9	19
3803	The influence of regional hydrometric data incorporation on the accuracy of gridded reconstruction of monthly runoff. <i>Hydrological Sciences Journal</i> , 2020, , 1-12.	1.2	8
3804	Towards a hybrid algorithm for the robust calibration of rainfall-runoff models. <i>Journal of Hydroinformatics</i> , 2020, 22, 876-899.	1.1	15
3805	Accounting for soil moisture in rainfall-runoff modelling of urban areas. <i>Journal of Hydrology</i> , 2020, 589, 125122.	2.3	24
3806	Performance Evaluation of the Multiple Quantile Regression Model for Estimating Spatial Soil Moisture after Filtering Soil Moisture Outliers. <i>Remote Sensing</i> , 2020, 12, 1678.	1.8	5
3807	Spatio-temporal critical source area patterns of runoff pollution from agricultural practices in the Colombian Andes. <i>Ecological Engineering</i> , 2020, 149, 105810.	1.6	9
3808	Assessment of future hydrologic alteration due to climate change in the Aracthos River basin (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.9	43
3809	Quantifying Contributions of Uncertainties in Physical Parameterization Schemes and Model Parameters to Overall Errors in Noah-MP Dynamic Vegetation Modeling. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001914.	1.3	11
3810	Contribution to the classification of small catchments according to the drainage area. <i>International Journal of River Basin Management</i> , 2022, 20, 111-122.	1.5	1
3811	Evaluation of various spatial rainfall datasets for streamflow simulation using SWAT model of Wunna basin, India. <i>International Journal of River Basin Management</i> , 2022, 20, 389-398.	1.5	10
3812	Hydromorphological analysis of Upper Tapi River Sub-basin, India, using QSWAT model. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 2111-2127.	1.9	15
3813	Recognizing both denitrification and nitrogen consumption improves performance of stream diel flux models. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 169-182.	1.0	4
3814	Simulation of water balance equation components using SWAT model in Samalqan Watershed (Iran). <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	23
3815	Impact of training data size on the LSTM performances for rainfall-runoff modeling. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 2153-2164.	1.9	35

#	ARTICLE	IF	CITATIONS
3816	Simulating oilseed fatty acid composition through a stochastic modelling approach. <i>Industrial Crops and Products</i> , 2020, 150, 112381.	2.5	4
3817	Activation soil moisture accounting (ASMA) for runoff estimation using soil conservation service curve number (SCS-CN) method. <i>Journal of Hydrology</i> , 2020, 589, 125114.	2.3	36
3818	Projected Streamflow in the Kurau River Basin of Western Malaysia under Future Climate Scenarios. <i>Scientific Reports</i> , 2020, 10, 8336.	1.6	16
3819	Hydrological Impacts of Climate Change in a Well-preserved Upland Watershed. <i>Water Resources Management</i> , 2020, 34, 2255-2267.	1.9	4
3820	Enhancing Precipitation Estimates Through the Fusion of Weather Radar, Satellite Retrievals, and Surface Parameters. <i>Remote Sensing</i> , 2020, 12, 1342.	1.8	43
3821	Climate Change Impact on Surface Water and Groundwater Recharge in Northern Thailand. <i>Water (Switzerland)</i> , 2020, 12, 1029.	1.2	29
3822	A Preliminary Assessment of the "Undercatching" and the Precipitation Pattern in an Alpine Basin. <i>Water (Switzerland)</i> , 2020, 12, 1061.	1.2	13
3823	Modeling Urban Flood Inundation and Recession Impacted by Manholes. <i>Water (Switzerland)</i> , 2020, 12, 1160.	1.2	24
3824	Impacts of Climate Change and Land Use/Cover Change on Streamflow in Beichuan River Basin in Qinghai Province, China. <i>Water (Switzerland)</i> , 2020, 12, 1198.	1.2	23
3825	<sc>Rainstorm-generated</sc> sediment yield model based on soil moisture proxies (<sc>SMP</sc>). <i>Hydrological Processes</i> , 2020, 34, 3448-3463.	1.1	5
3826	The potential of new ensemble machine learning models for effluent quality parameters prediction and related uncertainty. <i>Chemical Engineering Research and Design</i> , 2020, 140, 68-78.	2.7	100
3827	Impacts of climate change on reservoir water availability, quality and irrigation needs in a water scarce Mediterranean region (southern Portugal). <i>Science of the Total Environment</i> , 2020, 736, 139477.	3.9	79
3828	Properties prediction of environmentally friendly ultra-high-performance concrete using artificial neural networks. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 2319-2343.	1.0	49
3829	Modeling the initiation of sediment motion under a wide range of flow conditions using a Geno-Mamdani Fuzzy Inference System method. <i>International Journal of Sediment Research</i> , 2020, 35, 467-483.	1.8	4
3830	Effects of univariate and multivariate statistical downscaling methods on climatic and hydrologic indicators for Alberta, Canada. <i>Journal of Hydrology</i> , 2020, 588, 125065.	2.3	22
3831	Sub-basin prioritization for assessment of soil erosion susceptibility in Kangsabati, a plateau basin: A comparison between MCDM and SWAT models. <i>Science of the Total Environment</i> , 2020, 734, 139474.	3.9	81
3832	Effects of grid-size on effective parameters and model performance of SHETRAN for estimation of streamflow and sediment yield. <i>International Journal of River Basin Management</i> , 2020, , 1-17.	1.5	7
3833	Modelling grass carp egg transport using a 3-D hydrodynamic river model: the role of egg retention in dead zones on spawning success. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1379-1392.	0.7	12

#	ARTICLE	IF	CITATIONS
3834	Evaluating impacts of climate change on hydrology and total nitrogen loads using coupled APEX-paddy and SWAT models. <i>Paddy and Water Environment</i> , 2020, 18, 515-529.	1.0	17
3835	Delimitation of nutrient vulnerable zones - a comprehensive method to manage a persistent problem of agriculture. <i>Agricultural Systems</i> , 2020, 183, 102858.	3.2	3
3836	Sea-land breeze diurnal component and its interaction with a cold front on the coast of Sisal, Yucatan: A case study. <i>Atmospheric Research</i> , 2020, 244, 105051.	1.8	9
3837	Deep learning for predicting the occurrence of cardiopulmonary diseases in Nanjing, China. <i>Chemosphere</i> , 2020, 257, 127176.	4.2	13
3838	Optimization of SWAT-Paddy for modeling hydrology and diffuse pollution of large rice paddy fields. <i>Environmental Modelling and Software</i> , 2020, 130, 104736.	1.9	15
3839	Characterisation of the quality alterations in model fat-filled milk powders under inclement conditions and the prediction of the storage time using near infrared spectroscopy. <i>Food Chemistry</i> , 2020, 323, 126752.	4.2	6
3840	Hydrological evaluation of merged satellite precipitation datasets for streamflow simulation using SWAT: A case study of Potohar Plateau, Pakistan. <i>Journal of Hydrology</i> , 2020, 587, 125040.	2.3	41
3841	Assessing seasonal nitrogen export to large tropical lakes. <i>Science of the Total Environment</i> , 2020, 731, 139199.	3.9	22
3842	New approach of water quantity vulnerability assessment using satellite images and GIS-based model: An application to a case study in Vietnam. <i>Science of the Total Environment</i> , 2020, 737, 139784.	3.9	25
3843	Assessment of the Future Climate Change Projections on Streamflow Hydrology and Water Availability over Upper Xijiang River Basin, China. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3671.	1.3	16
3844	Evaluation of bias correction methods for APHRODITE data to improve hydrologic simulation in a large Himalayan basin. <i>Atmospheric Research</i> , 2020, 242, 104964.	1.8	51
3845	Models for characterising the aerodynamics of insect-proof screens from their geometric parameters. <i>Biosystems Engineering</i> , 2020, 192, 42-55.	1.9	8
3846	Assessment of climate change impacts on water balance and hydrological extremes in Bang Pakong-Prachin Buri river basin, Thailand. <i>Environmental Research</i> , 2020, 186, 109544.	3.7	24
3847	Signature-based multi-modelling and multi-objective calibration of hydrologic models: Application in flood forecasting for Canadian Prairies. <i>Journal of Hydrology</i> , 2020, 588, 125095.	2.3	29
3848	Sensitivity of Streamflow Metrics to Infiltration-Based Stormwater Management Networks. <i>Water Resources Research</i> , 2020, 56, e2019WR026555.	1.7	8
3849	Precipitation-drainage cycles lead to hot moments in soil carbon dioxide dynamics in a Neotropical wet forest. <i>Global Change Biology</i> , 2020, 26, 5303-5319.	4.2	11
3850	Comparison of runoff generation methods for land use impact assessment using the SWAT model in humid tropics. <i>Hydrological Research Letters</i> , 2020, 14, 81-88.	0.3	10
3851	Modelling the impact of past and future climate scenarios on streamflow in a highly mountainous watershed: A case study in the West Seti River Basin, Nepal. <i>Science of the Total Environment</i> , 2020, 740, 140156.	3.9	19

#	ARTICLE	IF	CITATIONS
3852	Streamflow prediction in ungauged basins: benchmarking the efficiency of deep learning. E3S Web of Conferences, 2020, 163, 01001.	0.2	7
3853	A review of SWAT applications, performance and future needs for simulation of hydro-climatic extremes. Advances in Water Resources, 2020, 143, 103662.	1.7	136
3854	Evaluation of nitrogen loss reduction strategies using DRAINMOD-DSSAT in east-central Illinois. Agricultural Water Management, 2020, 240, 106322.	2.4	13
3855	Insights on expected streamflow response to land-cover restoration. Journal of Hydrology, 2020, 589, 125121.	2.3	0
3856	Identification of uncertainty sources in quasi-global discharge and inundation simulations using satellite-based precipitation products. Journal of Hydrology, 2020, 589, 125180.	2.3	9
3857	Rainfall-Runoff modeling for Semi-arid and trans-boundary Yarmouk River Basin. Procedia Manufacturing, 2020, 44, 180-188.	1.9	5
3858	Concentration estimation of dissolved oxygen in Pearl River Basin using input variable selection and machine learning techniques. Science of the Total Environment, 2020, 731, 139099.	3.9	50
3859	Evaluating the effects of layered soils on water flow, solute transport, and crop growth with a coupled agro-eco-hydrological model. Journal of Soils and Sediments, 2020, 20, 3442-3458.	1.5	11
3860	A tale of two rivers: Integrated hydro-economic modeling for the evaluation of trading opportunities and return flow externalities in inter-basin agricultural water markets. Journal of Hydrology, 2020, 584, 124676.	2.3	19
3861	Revised Horton model for event and continuous simulations of infiltration. Journal of Hydrology, 2020, 589, 125215.	2.3	14
3862	The Roles of Climate Forcing and Its Variability on Streamflow at Daily, Monthly, Annual, and Long-Term Scales. Water Resources Research, 2020, 56, e2020WR027111.	1.7	19
3863	Data-Driven Modeling and the Influence of Objective Function Selection on Model Performance in Limited Data Regions. International Journal of Environmental Research and Public Health, 2020, 17, 4132.	1.2	5
3864	Method of pump, pipe, and tank selection for aeroponic nutrient management systems based on crop requirements. Journal of Agricultural Engineering, 2020, 51, 119-128.	0.7	6
3865	A physical process and machine learning combined hydrological model for daily streamflow simulations of large watersheds with limited observation data. Journal of Hydrology, 2020, 590, 125206.	2.3	97
3866	Application of newly developed ensemble machine learning models for daily suspended sediment load prediction and related uncertainty analysis. Hydrological Sciences Journal, 2020, 65, 2022-2042.	1.2	58
3867	A minimalistic approach for evapotranspiration estimation using the Prophet model. Hydrological Sciences Journal, 2020, 65, 1994-2006.	1.2	20
3868	A nonparametric statistical framework using a kernel density estimator to approximate flood marginal distributions – a case study for the Kelantan River Basin in Malaysia. Water Science and Technology: Water Supply, 2020, 20, 1509-1533.	1.0	4
3869	Simulating the change of precipitation-runoff relationship during drought years in the eastern monsoon region of China. Science of the Total Environment, 2020, 723, 138172.	3.9	18

#	ARTICLE	IF	CITATIONS
3870	An investigation of the hydrological influence on the distribution and transition of wetland cover in a complex lake-floodplain system using time-series remote sensing and hydrodynamic simulation. <i>Journal of Hydrology</i> , 2020, 587, 125038.	2.3	32
3871	Power law scaling model predicts N ₂ O emissions along the Upper Mississippi River basin. <i>Science of the Total Environment</i> , 2020, 732, 138390.	3.9	9
3872	Applicability of Lumped Hydrological Models in a Data-Constrained River Basin of Asia. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	15
3873	Monthly Precipitation Forecasting in the Han River Basin, South Korea, Using Large-Scale Teleconnections and Multiple Regression Models. <i>Water (Switzerland)</i> , 2020, 12, 1590.	1.2	7
3874	Assessing current and future trends of climate extremes across Brazil based on reanalyses and earth system model projections. <i>Climate Dynamics</i> , 2020, 55, 1403-1426.	1.7	73
3875	Assessing the Effects of Snowmelt Dynamics on Streamflow and Water Balance Components in an Eastern Himalayan River Basin Using SWAT Model. <i>Environmental Modeling and Assessment</i> , 2020, 25, 861-883.	1.2	10
3876	Spatio-temporal variances and risk evaluation of land finance in China at the provincial level from 1998 to 2017. <i>Land Use Policy</i> , 2020, 99, 104804.	2.5	7
3877	The record 2017 flood in South Asia: State of prediction and performance of a data-driven requisitely simple forecast model. <i>Journal of Hydrology</i> , 2020, 589, 125190.	2.3	10
3878	ANFIS Modeling with ICA, BBO, TLBO, and IWO Optimization Algorithms and Sensitivity Analysis for Predicting Daily Reference Evapotranspiration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	22
3879	Site-Specific Sediment Deposition Model for Dredging Planning: Case Study of Olmsted Locks and Dam. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020, 146, .	0.5	2
3880	Optimization of dam's spillway design under climate change conditions. <i>Journal of Hydroinformatics</i> , 2020, 22, 916-936.	1.1	12
3881	Assessing future socioeconomic drought events under a changing climate over the Pearl River basin in South China. <i>Journal of Hydrology: Regional Studies</i> , 2020, 30, 100700.	1.0	19
3882	Linking Hydrologic and Hydraulic Data with Models to Assess Flow and Channel Alteration at Hog Park, Wyoming USA. <i>Hydrology</i> , 2020, 7, 29.	1.3	0
3883	Modeling for integrated water resources management in the Mediterranean region. , 2020, , 157-190.		3
3884	Modelling Hydrological Processes in Agricultural Areas with Complex Topography. <i>Agronomy</i> , 2020, 10, 750.	1.3	5
3885	The Effect of Age, Stage of the Annual Production Cycle and Pregnancy-Rank on the Relationship between Liveweight and Body Condition Score in Extensively Managed Romney Ewes. <i>Animals</i> , 2020, 10, 784.	1.0	8
3886	Purification Efficiency for Treated Waste Water in Case of Joint Infiltration with Water Originating from Precipitation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3155.	1.3	3
3887	Linking Singular Spectrum Analysis and Machine Learning for Monthly Rainfall Forecasting. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3224.	1.3	23

#	ARTICLE	IF	CITATIONS
3888	Monthly Reservoir Inflow Forecasting for Dry Period Using Teleconnection Indices: A Statistical Ensemble Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3470.	1.3	10
3889	Hydrologic Validation of MERGE Precipitation Products over Anthropogenic Watersheds. <i>Water (Switzerland)</i> , 2020, 12, 1268.	1.2	6
3890	Evaluation of a Distributed Streamflow Forecast Model at Multiple Watershed Scales. <i>Water (Switzerland)</i> , 2020, 12, 1279.	1.2	3
3891	Zonation of Positively Buoyant Jets Interacting with the Water-Free Surface Quantified by Physical and Numerical Modelling. <i>Water (Switzerland)</i> , 2020, 12, 1324.	1.2	5
3892	A Pragmatic Slope-Adjusted Curve Number Model to Reduce Uncertainty in Predicting Flood Runoff from Steep Watersheds. <i>Water (Switzerland)</i> , 2020, 12, 1469.	1.2	29
3893	Flooding in the Mekong Delta: the impact of dyke systems on downstream hydrodynamics. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 189-212.	1.9	17
3894	Prediction of monthly Arctic sea ice concentrations using satellite and reanalysis data based on convolutional neural networks. <i>Cryosphere</i> , 2020, 14, 1083-1104.	1.5	48
3895	Benefits of representing floodplains in a Land Surface Model: Pantanal simulated with ORCHIDEE CMIP6 version. <i>Climate Dynamics</i> , 2020, 55, 1303-1323.	1.7	14
3896	Coal mining impacts on catchment runoff. <i>Journal of Hydrology</i> , 2020, 589, 125101.	2.3	27
3897	The Effect of Nonstationarity in Rainfall on Urban Flooding Based on Coupling SWMM and MIKE21. <i>Water Resources Management</i> , 2020, 34, 1535-1551.	1.9	22
3898	Estimating sorption of monovalent acidic herbicides at different pH levels using a single sorption coefficient. <i>Pest Management Science</i> , 2020, 76, 2693-2698.	1.7	6
3899	Robust strategies for climate change adaptation in the agricultural sector under deep climate uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 755-774.	1.9	9
3900	Predicting the optimum operating parameters and hydrodynamic behavior of rectangular sheet membrane using response surface methodology coupled with computational fluid dynamics. <i>Chemical Papers</i> , 2020, 74, 2977-2990.	1.0	9
3901	Lipophilicity matters – A new look at experimental plant uptake data from literature. <i>Science of the Total Environment</i> , 2020, 713, 136667.	3.9	13
3902	Optimized fuzzy inference system to enhance prediction accuracy for influent characteristics of a sewage treatment plant. <i>Science of the Total Environment</i> , 2020, 722, 137878.	3.9	31
3903	Estimating Growing Season Evapotranspiration and Transpiration of Major Crops over a Large Irrigation District from HJ-1A/1B Data Using a Remote Sensing-Based Dual Source Evapotranspiration Model. <i>Remote Sensing</i> , 2020, 12, 865.	1.8	6
3904	Evaluation of the predictive reliability of a new watershed health assessment method using the SWAT model. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 224.	1.3	14
3905	Testing of the Storm Water Management Model Low Impact Development Modules. <i>Journal of the American Water Resources Association</i> , 2020, 56, 283-296.	1.0	20

#	ARTICLE	IF	CITATIONS
3906	Evaluation of Routed-Runoff from Land Surface Models and Reanalyses Using Observed Streamflow in Chinese River Basins. <i>Journal of Meteorological Research</i> , 2020, 34, 73-87.	0.9	10
3907	Evaluation and development of models for estimating the sorption behaviour of pharmaceuticals in soils. <i>Journal of Hazardous Materials</i> , 2020, 392, 122469.	6.5	24
3908	Hydro-climate and biogeochemical processes control watershed organic carbon inflows: Development of an in-stream organic carbon module coupled with a process-based hydrologic model. <i>Science of the Total Environment</i> , 2020, 718, 137281.	3.9	23
3909	Temperature controls production but hydrology regulates export of dissolved organic carbon at the catchment scale. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 945-966.	1.9	64
3910	Temperature-dependent competitive advantages of an allelopathic alga over non-allelopathic alga are altered by pollutants and initial algal abundance levels. <i>Scientific Reports</i> , 2020, 10, 4419.	1.6	2
3911	Prediction of reservoir sedimentation using Soil Water Assessment Tool (SWAT) towards development of sustainable catchment management. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022041.	0.3	1
3912	Impact of the spatial density of weather stations on the performance of distributed and lumped hydrological models. <i>Canadian Water Resources Journal</i> , 2020, 45, 158-171.	0.5	5
3913	Quantifying the Effect of Land Use Change Model Coupling. <i>Land</i> , 2020, 9, 52.	1.2	4
3914	Drought in the Twenty-First Century in a Water-Rich Region: Modeling Study of the Wabash River Watershed, USA. <i>Water (Switzerland)</i> , 2020, 12, 181.	1.2	6
3915	Application of Different Separation Methods to Investigate the Baseflow Characteristics of a Semi-Arid Sandy Area, Northwestern China. <i>Water (Switzerland)</i> , 2020, 12, 434.	1.2	18
3916	Improved Planning of Energy Recovery in Water Systems Using a New Analytic Approach to PAT Performance Curves. <i>Water (Switzerland)</i> , 2020, 12, 468.	1.2	27
3917	Impact of missing precipitation values on hydrological model output: a case study from the Eddleston Water catchment, Scotland. <i>Acta Geophysica</i> , 2020, 68, 565-576.	1.0	5
3918	Quantifying the relationship between streamflow and climate change in a small basin under future scenarios. <i>Ecological Indicators</i> , 2020, 113, 106251.	2.6	10
3919	Relative contribution of evapotranspiration and soil compaction to the fluctuation of catchment discharge: case study from a plantation landscape. <i>Hydrological Sciences Journal</i> , 2020, 65, 1239-1248.	1.2	13
3920	Using an improved SWAT model to simulate hydrological responses to land use change: A case study of a catchment in tropical Australia. <i>Journal of Hydrology</i> , 2020, 585, 124822.	2.3	96
3921	Evaluating precipitation products for hydrologic modeling over a large river basin in the Midwestern USA. <i>Hydrological Sciences Journal</i> , 2020, 65, 1221-1238.	1.2	10
3922	Predicting Streamflow and Nutrient Loadings in a Semi-Arid Mediterranean Watershed with Ephemeral Streams Using the SWAT Model. <i>Agronomy</i> , 2020, 10, 2.	1.3	29
3923	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.	1.2	16

#	ARTICLE	IF	CITATIONS
3924	Multi-site bias correction of climate model outputs for hydro-meteorological impact studies: An application over a watershed in China. <i>Hydrological Processes</i> , 2020, 34, 2575-2598.	1.1	20
3925	Evaluating and Predicting the Effects of Land Use Changes on Hydrology in Wami River Basin, Tanzania. <i>Hydrology</i> , 2020, 7, 17.	1.3	22
3926	Modeling the future impacts of climate change on water availability in the Karnali River Basin of Nepal Himalaya. <i>Environmental Research</i> , 2020, 185, 109430.	3.7	55
3927	Evaluating the Effect of Transpiration in Hydrologic Model Simulation through Parameter Calibration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 04020007.	0.8	4
3928	Impact of Size and Location of Wetlands on Watershed-Scale Flood Control. <i>Water Resources Management</i> , 2020, 34, 1693-1707.	1.9	23
3929	A non-local model output statistics approach for the downscaling of CMIP5 GCMs for the projection of rainfall in Peninsular Malaysia. <i>Journal of Water and Climate Change</i> , 2020, 11, 944-955.	1.2	11
3930	Conservation agriculture with drip irrigation: Effects on soil quality and crop yield in sub-Saharan Africa. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 209-217.	0.8	15
3931	Evaluation of stream flow under land use land cover change: A case study of Chemoga Catchment, Abay Basin, Ethiopia. <i>African Journal of Environmental Science and Technology</i> , 2020, 14, 26-39.	0.2	4
3932	Sediment modeling of a large-scale basin supported by remote sensing and in-situ observations. <i>Catena</i> , 2020, 190, 104535.	2.2	8
3933	Spatio-temporal effect of climate change on water balance and interactions between groundwater and surface water in plains. <i>Science of the Total Environment</i> , 2020, 722, 137886.	3.9	51
3934	Mitigating Impact of Devils Lake Flooding on the Sheyenne River Sulfate Concentration. <i>Journal of the American Water Resources Association</i> , 2020, 56, 297-309.	1.0	4
3935	Hyperspectral Satellite Remote Sensing of Water Quality in Lake Atitlán, Guatemala. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	36
3936	Hydrological Alteration Index as an Indicator of the Calibration Complexity of Water Quantity and Quality Modeling in the Context of Global Change. <i>Water (Switzerland)</i> , 2020, 12, 115.	1.2	13
3937	Optimization and Application of Snow Melting Modules in SWAT Model for the Alpine Regions of Northern China. <i>Water (Switzerland)</i> , 2020, 12, 636.	1.2	13
3938	Impacts of Channel Network Type on the Unit Hydrograph. <i>Water (Switzerland)</i> , 2020, 12, 669.	1.2	3
3939	Multi-site watershed model calibration for evaluating best management practice effectiveness in reducing fecal pollution. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 2690-2715.	1.7	3
3940	Operationalizing a flood forecasting decision support system for Ayeyarwady river, Myanmar. <i>International Journal of River Basin Management</i> , 2020, , 1-14.	1.5	3
3941	Improving prediction of water quality indices using novel hybrid machine-learning algorithms. <i>Science of the Total Environment</i> , 2020, 721, 137612.	3.9	202

#	ARTICLE	IF	CITATIONS
3942	A comparative study among machine learning and numerical models for simulating groundwater dynamics in the Heihe River Basin, northwestern China. <i>Scientific Reports</i> , 2020, 10, 3904.	1.6	82
3943	Use of a hydrological model in two sub-basins in Southern Brazil. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	1.0	0
3944	The impact of land use and climate change on surface runoff and groundwater in Cimanuk watershed, Indonesia. <i>Limnology</i> , 2020, 21, 487-498.	0.8	16
3945	Modeling spatial distribution of rainfall infiltration amounts in South China using cellular automata and its relationship with the occurrence of collapsing gullies. <i>Catena</i> , 2020, 194, 104676.	2.2	7
3946	Spatial-temporal variations in blue and green water resources, water footprints and water scarcities in a large river basin: A case for the Yellow River basin. <i>Journal of Hydrology</i> , 2020, 590, 125222.	2.3	72
3947	Understanding the Uncertainty of the Lim River Basin Response to Changing Climate. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 05020023.	0.8	1
3948	The transborder flux of phosphorus in the Lancang-Mekong River Basin: Magnitude, patterns and impacts from the cascade hydropower dams in China. <i>Journal of Hydrology</i> , 2020, 590, 125201.	2.3	23
3949	Modeling of a full-scale sewage treatment plant to predict the nutrient removal efficiency using a long short-term memory (LSTM) neural network. <i>Journal of Water Process Engineering</i> , 2020, 37, 101388.	2.6	69
3950	Integrating connectivity theory within watershed modelling part II: Application and evaluating structural and functional connectivity. <i>Science of the Total Environment</i> , 2020, 740, 140386.	3.9	13
3951	Climate-Smart Agro-Hydrological Model for a Large Scale Rice Irrigation Scheme in Malaysia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3906.	1.3	7
3952	Entropy Wake Law for Streamwise Velocity Profiles in Smooth Rectangular Open Channels. <i>Entropy</i> , 2020, 22, 654.	1.1	0
3953	A Method to Improve the Flood Maps Forecasted by On-Line Use of 1D Model. <i>Water (Switzerland)</i> , 2020, 12, 1525.	1.2	4
3954	The Effects of Rainfall Intensities and Duration on SCS-CN Model Parameters under Simulated Rainfall. <i>Water (Switzerland)</i> , 2020, 12, 1595.	1.2	8
3955	Assessment of the Water, Environmental, Economic and Social Vulnerability of a Watershed to the Potential Effects of Climate Change and Land Use Change. <i>Water (Switzerland)</i> , 2020, 12, 1682.	1.2	8
3956	Emerging climate signals in the Lena River catchment: a non-parametric statistical approach. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2817-2839.	1.9	7
3957	Future shift in winter streamflow modulated by the internal variability of climate in southern Ontario. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3077-3096.	1.9	14
3958	Regional Flood Frequency Analysis Through Some Machine Learning Models in Semi-arid Regions. <i>Water Resources Management</i> , 2020, 34, 2887-2909.	1.9	23
3959	Spatiotemporal variations in frozen ground and their impacts on hydrological components in the source region of the Yangtze River. <i>Journal of Hydrology</i> , 2020, 590, 125237.	2.3	27

#	ARTICLE	IF	CITATIONS
3960	Exposure and vulnerability estimation for modelling flood losses to commercial assets in Europe. <i>Science of the Total Environment</i> , 2020, 737, 140011.	3.9	22
3961	Effects of Digital Elevation Model Resolution on Watershed-Based Hydrologic Simulation. <i>Water Resources Management</i> , 2020, 34, 2433-2447.	1.9	13
3962	Suitability of satellite-based hydro-climate variables and machine learning for streamflow modeling at various scale watersheds. <i>Hydrological Sciences Journal</i> , 2020, 65, 2233-2248.	1.2	3
3963	Modeling sediment diagenesis processes on riverbed to better quantify aquatic carbon fluxes and stocks in a small watershed of the Mid-Atlantic region. <i>Carbon Balance and Management</i> , 2020, 15, 13.	1.4	12
3965	Evaluation of the phytoremediation uptake model for predicting heavy metals (Pb, Cd, and Zn) from the soil using <i>Nerium oleander</i> L. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38120-38133.	2.7	3
3966	Spatial year-ahead forecast of air temperature and precipitation in large mountain areas. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	2
3967	Evaluation and integration of reanalysis rainfall products under contrasting climatic conditions in India. <i>Atmospheric Research</i> , 2020, 246, 105121.	1.8	35
3968	Variation of floatable litter load and its compositions captured at floating debris boom (FDB) structure. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1744-1767.	1.6	4
3969	Multimodel Ensemble Projection of Hydro-climatic Extremes for Climate Change Impact Assessment on Water Resources. <i>Water Resources Management</i> , 2020, 34, 3019-3035.	1.9	19
3970	Assessments of Impacts of Climate and Forest Change on Water Resources Using SWAT Model in a Subboreal Watershed in Northern Da Hinggan Mountains. <i>Water (Switzerland)</i> , 2020, 12, 1565.	1.2	17
3971	Groundwater Potential Mapping Using SWAT and GIS-Based Multi-Criteria Decision Analysis. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2546-2559.	0.9	13
3972	A coupled hydrologic-machine learning modelling framework to support hydrologic modelling in river basins under Interbasin Water Transfer regimes. <i>Environmental Modelling and Software</i> , 2020, 131, 104779.	1.9	25
3973	Multi-parameter performance optimization for whole year operation of stratum ventilation in offices. <i>Applied Energy</i> , 2020, 268, 114966.	5.1	20
3974	Assessment of the effective width of riparian buffer strips to reduce suspended sediment in an agricultural landscape using ANFIS and SWAT models. <i>Catena</i> , 2020, 195, 104762.	2.2	27
3975	Attribution analysis of climatic and multiple anthropogenic causes of runoff change in the Loess Plateau—A case study of the Jing River Basin. <i>Land Degradation and Development</i> , 2020, 31, 1622-1640.	1.8	21
3976	Assessing the transport of rare earth elements in runoff in a small watershed developed on a coarse-grained granite area in southern China. <i>Environmental Earth Sciences</i> , 2020, 79, .	1.3	1
3977	Sensitivity of hydrology and water quality to variation in land use and land cover data. <i>Agricultural Water Management</i> , 2020, 241, 106366.	2.4	32
3978	Evaluating the Applicability of Drainage Routing Schemes for Paddy Fields. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, 04020027.	0.6	2

#	ARTICLE	IF	CITATIONS
3979	Water scarcity-risk assessment in data-scarce river basins under decadal climate change using a hydrological modelling approach. <i>Journal of Hydrology</i> , 2020, 590, 125260.	2.3	44
3980	Current Approaches and Techniques in Physiologically Based Pharmacokinetic (PBPK) Modelling of Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 1267.	1.9	32
3981	Global Research Alliance N ₂ O chamber methodology guidelines: Summary of modeling approaches. <i>Journal of Environmental Quality</i> , 2020, 49, 1168-1185.	1.0	21
3982	Prediction of runoff within Maharlu basin for future 60 years using RCP scenarios. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	8
3983	Self-organizing map of soil properties in the context of hydrological modeling. <i>Applied Mathematical Modelling</i> , 2020, 88, 175-189.	2.2	10
3984	Different calibration procedures for flows estimation using SWAT model. <i>Journal of Applied Water Engineering and Research</i> , 2020, 8, 205-218.	1.0	2
3985	Non-Point Source Pollution Simulation and Best Management Practices Analysis Based on Control Units in Northern China. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 868.	1.2	15
3986	Comparison of technical and systems-based approaches to managing pesticide contamination in surface water catchments. <i>Journal of Environmental Management</i> , 2020, 260, 110027.	3.8	9
3987	Effects of active and passive land use management after cropland abandonment on water and vegetation dynamics in the Central Spanish Pyrenees. <i>Science of the Total Environment</i> , 2020, 717, 137160.	3.9	26
3988	Simulated irrigation reduction improves low flow in streams—A case study in the Lower Flint River Basin. <i>Journal of Hydrology: Regional Studies</i> , 2020, 28, 100665.	1.0	6
3989	Potential impacts of land use/cover and climate changes on ecologically relevant flows. <i>Journal of Hydrology</i> , 2020, 584, 124654.	2.3	52
3990	Estimation of the uncertainty of hydrologic predictions in a karstic Mediterranean watershed. <i>Science of the Total Environment</i> , 2020, 717, 137131.	3.9	22
3991	Modifying SWAT-CS for simulating chloride dynamics in a Boreal Shield headwater catchment in south-central Ontario, Canada. <i>Science of the Total Environment</i> , 2020, 717, 137213.	3.9	11
3992	Short-term water quality variable prediction using a hybrid CNN-LSTM deep learning model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 415-433.	1.9	231
3993	Hydrological Model Application in the Sirba River: Early Warning System and GloFAS Improvements. <i>Water (Switzerland)</i> , 2020, 12, 620.	1.2	18
3994	OPTIMIZED IRRIGATION SCHEDULING USING SWAT FOR IMPROVED CROP WATER PRODUCTIVITY. <i>Irrigation and Drainage</i> , 2020, 69, 387-397.	0.8	5
3995	On the complexities of sediment load modeling using integrative machine learning: Application of the great river of LoÁza in Puerto Rico. <i>Journal of Hydrology</i> , 2020, 585, 124759.	2.3	39
3996	Bedload transport rate prediction: Application of novel hybrid data mining techniques. <i>Journal of Hydrology</i> , 2020, 585, 124774.	2.3	55

#	ARTICLE	IF	CITATIONS
3997	Assessing parameter identifiability for multiple performance criteria to constrain model parameters. <i>Hydrological Sciences Journal</i> , 2020, 65, 1158-1172.	1.2	15
3998	Source Apportionment of Nutrient Loads to a Mediterranean River and Potential Mitigation Measures. <i>Water (Switzerland)</i> , 2020, 12, 577.	1.2	8
3999	INâ€Palm: An agriâ€environmental indicator to assess nitrogen losses in oil palm plantations. <i>Agronomy Journal</i> , 2020, 112, 786-800.	0.9	3
4000	Inverse estimation of finite-duration source release mass in river pollution accidents based on adjoint equation method. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14679-14689.	2.7	11
4001	SWAT Model Simulation of Non-Point Source Pollution in the Miyun Reservoir Watershed. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 428, 012075.	0.2	4
4002	Changes in Land Use in the Lombok River Basin and Their Impacts on River Basin Management Sustainability. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 437, 012036.	0.2	3
4003	Assessment of the risk of soil erosion using RUSLE method and SWAT model at the Mâ€™dez Watershed, Middle Atlas, Morocco. <i>E3S Web of Conferences</i> , 2020, 150, 03014.	0.2	7
4004	Strategies to enhance the reliability of flow quantile prediction in the gauged and ungauged basins. <i>River Research and Applications</i> , 2020, 36, 724-734.	0.7	4
4005	Evaluating the transferability of monthly water balance models under changing climate conditions. <i>Hydrological Sciences Journal</i> , 2020, 65, 928-950.	1.2	11
4006	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. <i>Geosciences (Switzerland)</i> , 2020, 10, 31.	1.0	14
4007	Spatial Patterns in Baseflow Mean Response Time across a Watershed in the Loess Plateau: Linkage with Land-Use Types. <i>Forest Science</i> , 2020, 66, 382-391.	0.5	15
4008	Impacts of Climate and Land-Use Changes on the Hydrological Processes in the Amur River Basin. <i>Water (Switzerland)</i> , 2020, 12, 76.	1.2	10
4009	Assessing Anthropogenic Impacts on Chemical and Biochemical Oxygen Demand in Different Spatial Scales with Bayesian Networks. <i>Water (Switzerland)</i> , 2020, 12, 246.	1.2	14
4010	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.	1.2	4
4011	Predicting the hydrological response of a forest after wildfire and soil treatments using an Artificial Neural Network. <i>Computers and Electronics in Agriculture</i> , 2020, 170, 105280.	3.7	36
4012	Hydrological Modeling Response to Climate Model Spatial Analysis of a South Eastern Europe International Basin. <i>Climate</i> , 2020, 8, 1.	1.2	32
4013	Review of Watershed-Scale Water Quality and Nonpoint Source Pollution Models. <i>Geosciences (Switzerland)</i> , 2020, 10, 25.	1.0	72
4014	Satellite-Based Operational Real-Time Drought Monitoring in the Transboundary Lancangâ€™Mekong River Basin. <i>Remote Sensing</i> , 2020, 12, 376.	1.8	11

#	ARTICLE	IF	CITATIONS
4015	Statistical Applications to Downscale GRACE-Derived Terrestrial Water Storage Data and to Fill Temporal Gaps. <i>Remote Sensing</i> , 2020, 12, 533.	1.8	72
4016	Development of an artificial neural network model to simulate the growth of microalga <i>Chlorella vulgaris</i> incorporating the effect of micronutrients. <i>Journal of Biotechnology</i> , 2020, 312, 44-55.	1.9	34
4017	Hydrological impacts of climate change on a data-scarce Greek catchment. <i>Theoretical and Applied Climatology</i> , 2020, 140, 1017-1030.	1.3	6
4018	Efficient approach for impact analysis of land cover changes on hydrological extremes by means of a lumped conceptual model. <i>Journal of Hydrology: Regional Studies</i> , 2020, 28, 100666.	1.0	3
4019	Response of sediments and phosphorus to catchment characteristics and human activities under different rainfall patterns with Bayesian Networks. <i>Journal of Hydrology</i> , 2020, 584, 124695.	2.3	18
4020	Seasonal macrophyte growth constrains extent, but improves quality, of cold-water habitat in a spring-fed river. <i>Hydrological Processes</i> , 2020, 34, 1587-1597.	1.1	3
4021	Evaluation of corrected APHRODITE estimates for hydrological simulation in the Yarlung Tsangpo-Brahmaputra River Basin. <i>International Journal of Climatology</i> , 2020, 40, 4158-4170.	1.5	14
4022	Classifying floods by quantifying driver contributions in the Eastern Monsoon Region of China. <i>Journal of Hydrology</i> , 2020, 585, 124767.	2.3	38
4023	Analysis of alternative climate datasets and evapotranspiration methods for the Upper Mississippi River Basin using SWAT within HAWQS. <i>Science of the Total Environment</i> , 2020, 720, 137562.	3.9	27
4024	What do economic water storage valuations reveal about optimal vs. historical water management?. <i>Water Resources and Economics</i> , 2020, 32, 100158.	0.9	4
4025	Stormwater Management Options and Decision-Making in Urbanized Watersheds of Los Angeles, California. <i>Journal of Sustainable Water in the Built Environment</i> , 2020, 6, .	0.9	8
4026	Effects of climate change in winter ice cover and ice thickness in flooding: a case study of Grand River, Ohio, USA. <i>ISH Journal of Hydraulic Engineering</i> , 2020, , 1-15.	1.1	7
4027	Comparison and Evaluation of Gridded Precipitation Datasets in a Kansas Agricultural Watershed Using SWAT. <i>Journal of the American Water Resources Association</i> , 2020, 56, 486-506.	1.0	17
4028	Change in low flows due to catchment management dynamics—Application of a comparative modelling approach. <i>Hydrological Processes</i> , 2020, 34, 2101-2116.	1.1	7
4029	A survey on river water quality modelling using artificial intelligence models: 2000–2020. <i>Journal of Hydrology</i> , 2020, 585, 124670.	2.3	314
4030	Evaluation of Multi- and Many-Objective Optimization Techniques to Improve the Performance of a Hydrologic Model Using Evapotranspiration Remote-Sensing Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	13
4031	Challenges Calibrating Hydrology for Groundwater-Fed Wetlands: a Headwater Wetland Case Study. <i>Environmental Modeling and Assessment</i> , 2020, 25, 355-371.	1.2	4
4032	Improving the modelling and understanding of carbon-nitrogen-water interactions in a semiarid Mediterranean oak forest. <i>Ecological Modelling</i> , 2020, 420, 108976.	1.2	1

#	ARTICLE	IF	CITATIONS
4033	AqYield-N: A simple model to predict nitrogen leaching from crop fields. <i>Agricultural and Forest Meteorology</i> , 2020, 284, 107890.	1.9	6
4034	Use of multiple modules and Bayesian Model Averaging to assess structural uncertainty of catchment-scale wetland modeling in a Coastal Plain landscape. <i>Journal of Hydrology</i> , 2020, 582, 124544.	2.3	16
4035	MERLIN: a flood hazard forecasting system for coastal river reaches. <i>Natural Hazards</i> , 2020, 100, 1171-1193.	1.6	15
4036	Impacts of climate change and agricultural activities on water quality in the Lower Kaidu River Basin, China. <i>Journal of Chinese Geography</i> , 2020, 30, 164-176.	1.5	23
4037	Performance of the LandSoil expert-based model to map erosion and sedimentation: application to a cultivated catchment in central Belgium. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 1376-1391.	1.2	3
4038	Improvement of seasonal runoff and soil loss predictions by the MMF (Morgan-Morgan-Finney) model after wildfire and soil treatment in Mediterranean forest ecosystems. <i>Catena</i> , 2020, 188, 104415.	2.2	43
4039	Using SWAT to Evaluate Streamflow and Lake Sediment Loading in the Xinjiang River Basin with Limited Data. <i>Water (Switzerland)</i> , 2020, 12, 39.	1.2	18
4040	Effect of Land Use/Cover Change on the Hydrological Response of a Southern Center Basin of Chile. <i>Water (Switzerland)</i> , 2020, 12, 302.	1.2	25
4041	Enhancing nitrate and strontium concentration prediction in groundwater by using new data mining algorithm. <i>Science of the Total Environment</i> , 2020, 715, 136836.	3.9	58
4042	Mapping groundwater resiliency under climate change scenarios: A case study of Kathmandu Valley, Nepal. <i>Environmental Research</i> , 2020, 183, 109149.	3.7	36
4043	Unlined trench as a falling head permeameter: Analytic and HYDRUS2D modeling versus sandbox experiment. <i>Journal of Hydrology</i> , 2020, 583, 124568.	2.3	5
4044	Soil water dynamics under Moistube irrigation. <i>Physics and Chemistry of the Earth</i> , 2020, 115, 102836.	1.2	22
4045	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. <i>Water Resources Management</i> , 2020, 34, 1075-1091.	1.9	53
4046	A structurally integrated water environmental modeling system based on dual object structure. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11079-11092.	2.7	1
4047	Long-term human-generated alterations of Tagus River: Effects of hydrological regulation and land-use changes in distinct river zones. <i>Catena</i> , 2020, 188, 104466.	2.2	29
4048	Modelling Impacts of a Municipal Spatial Plan of Land-Use Changes on Surface Water Quality—Example from Goriška Brda in Slovenia. <i>Water (Switzerland)</i> , 2020, 12, 189.	1.2	10
4049	A Calibrated, Watershed-Specific SCS-CN Method: Application to Wangjiaqiao Watershed in the Three Gorges Area, China. <i>Water (Switzerland)</i> , 2020, 12, 60.	1.2	28
4050	Simulation and statistical modelling approaches to investigate hydrologic regime transformations following Eastern hemlock decline. <i>Hydrological Processes</i> , 2020, 34, 1198-1212.	1.1	2

#	ARTICLE	IF	CITATIONS
4051	Land use conversion influences soil respiration across a desert-oasis ecoregion in Northwest China, with consideration of cold season CO ₂ efflux and its significance. <i>Catena</i> , 2020, 188, 104460.	2.2	25
4052	When is a hydrological model sufficiently calibrated to depict flow preferences of riverine species?. <i>Ecohydrology</i> , 2020, 13, e2193.	1.1	7
4053	Sediment mobilisation and release through groundwater discharge to the land surface: Review and theoretical development. <i>Science of the Total Environment</i> , 2020, 714, 136757.	3.9	11
4054	Qomâ€™A New Hydrologic Prediction Model Enhanced with Multi-Objective Optimization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 251.	1.3	4
4055	Tropical Cyclone Intensity Estimation Using Multi-Dimensional Convolutional Neural Networks from Geostationary Satellite Data. <i>Remote Sensing</i> , 2020, 12, 108.	1.8	60
4056	Low-Flow Seasonality and Effects on Water Availability throughout the River Network. <i>Water Resources Management</i> , 2020, 34, 1289-1304.	1.9	11
4057	Prograde and Retrograde Terms of Gravimetric Polar Motion Excitation Estimates from the GRACE Monthly Gravity Field Models. <i>Remote Sensing</i> , 2020, 12, 138.	1.8	8
4058	Laboratory Calibration and Performance Evaluation of Low-Cost Capacitive and Very Low-Cost Resistive Soil Moisture Sensors. <i>Sensors</i> , 2020, 20, 363.	2.1	46
4059	Effect of rainfall station density, distribution and missing values on SWAT outputs in tropical region. <i>Journal of Hydrology</i> , 2020, 584, 124660.	2.3	32
4060	Slope Gradient Controls Soil Thickness and Chemical Weathering in Subtropical Brazil: Understanding Rates and Timescales of Regional Soilscape Evolution Through a Combination of Field Data and Modeling. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005321.	1.0	13
4061	Water quality simulation of Dez River in Iran using QUAL2KW model. <i>Geocarto International</i> , 2022, 37, 1126-1138.	1.7	6
4062	Extreme climate indices in Brazil: evaluation of downscaled earth system models at high horizontal resolution. <i>Climate Dynamics</i> , 2020, 54, 5065-5088.	1.7	28
4063	Climate change impact and adaptation on wheat yield, water use and water use efficiency at North Nile Delta. <i>Frontiers of Earth Science</i> , 2020, 14, 522-536.	0.9	26
4064	A pragmatic parameterisation and calibration approach to model hydrology and water quality of agricultural landscapes and catchments. <i>Environmental Modelling and Software</i> , 2020, 130, 104733.	1.9	6
4065	Hydrological drought evolution with a nonlinear joint index in regions with significant changes in underlying surface. <i>Journal of Hydrology</i> , 2020, 585, 124794.	2.3	16
4066	Crop growth, hydrology, and water quality dynamics in agricultural fields across the Western Lake Erie Basin: Multi-site verification of the Nutrient Tracking Tool (NTT). <i>Science of the Total Environment</i> , 2020, 726, 138485.	3.9	11
4067	Potential Impacts of Projected Climate Change under CMIP5 RCP Scenarios on Streamflow in the Wabash River Basin. <i>Advances in Meteorology</i> , 2020, 2020, 1-18.	0.6	9
4068	Fusion of MODIS and Landsat-Like Images for Daily High Spatial Resolution NDVI. <i>Remote Sensing</i> , 2020, 12, 1297.	1.8	11

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4069	Predicting Event-Based Sediment and Heavy Metal Loads in Untreated Urban Runoff from Impermeable Surfaces. <i>Water (Switzerland)</i> , 2020, 12, 969.	1.2	5
4070	Transient Evolution of Inland Freshwater Lenses: Comparison of Numerical and Physical Experiments. <i>Water (Switzerland)</i> , 2020, 12, 1154.	1.2	2
4071	Anticipating of Potential Climate and Land Use Change Impacts on Floods: A Case Study of the Lower Nam Phong River Basin. <i>Water (Switzerland)</i> , 2020, 12, 1158.	1.2	5
4072	On how wetlands can provide flood resilience in a large river basin: A case study in Nenjiang river Basin, China. <i>Journal of Hydrology</i> , 2020, 587, 125012.	2.3	26
4073	Validation of the GeoWATCH soil moisture model and proposed bias correction method. <i>Journal of Terramechanics</i> , 2020, 91, 1-9.	1.4	4
4074	Diffuse nitrogen pollution in a forest-dominated watershed: Source, transport and removal. <i>Journal of Hydrology</i> , 2020, 585, 124833.	2.3	17
4075	Sustainable Water Resources Management in an Arid Area Using a Coupled Optimization-Simulation Modeling. <i>Water (Switzerland)</i> , 2020, 12, 885.	1.2	22
4076	Assessment of glacier- and snowmelt-driven streamflow in the arid middle Tianshan Mountains of China. <i>Hydrological Processes</i> , 2020, 34, 2750-2762.	1.1	12
4077	Comparison of anaerobic digesters performance treating palmitic, stearic and oleic acid: determination of the LCFA kinetic constants using ADM1. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1329-1338.	1.7	12
4078	Effects of Groundwater Level Changes Associated with Coastline Changes in Coastal Wetlands. <i>Wetlands</i> , 2020, 40, 1647-1656.	0.7	3
4079	Can conservation agriculture increase soil carbon sequestration? A modelling approach. <i>Geoderma</i> , 2020, 369, 114298.	2.3	63
4080	Assessing the effectiveness of riparian buffers for reducing organic nitrogen loads in the Coastal Plain of the Chesapeake Bay watershed using a watershed model. <i>Journal of Hydrology</i> , 2020, 585, 124779.	2.3	17
4081	Combined effects of urbanization and climate change on watershed evapotranspiration at multiple spatial scales. <i>Journal of Hydrology</i> , 2020, 587, 124869.	2.3	22
4082	A new framework for integrated, holistic, and transparent evaluation of inter-basin water transfer schemes. <i>Science of the Total Environment</i> , 2020, 721, 137646.	3.9	28
4083	Global Change Can Make Coastal Eutrophication Control in China More Difficult. <i>Earth's Future</i> , 2020, 8, e2019EF001280.	2.4	35
4084	Toward Simple Modeling Practices in the Complex Canadian Prairie Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	11
4085	Simulated Biomass, Climate Change Impacts, and Nitrogen Management to Achieve Switchgrass Biofuel Production at Diverse Sites in U.S.. <i>Agronomy</i> , 2020, 10, 503.	1.3	15
4086	Using Machine Learning-Based Algorithms to Analyze Erosion Rates of a Watershed in Northern Taiwan. <i>Sustainability</i> , 2020, 12, 2022.	1.6	16

#	ARTICLE	IF	CITATIONS
4087	Analysis of Nitrate Pollution Pathways on a Vulnerable Agricultural Plain in Slovenia: Taking the Local Approach to Balance Ecosystem Services of Food and Water. <i>Water (Switzerland)</i> , 2020, 12, 707.	1.2	9
4088	Simulation of factors affecting <i>Emiliana huxleyi</i> blooms in Arctic and sub-Arctic seas by CMIP5 climate models: model validation and selection. <i>Biogeosciences</i> , 2020, 17, 1199-1212.	1.3	3
4089	The Effect of Sponge City Construction for Reducing Directly Connected Impervious Areas on Hydrological Responses at the Urban Catchment Scale. <i>Water (Switzerland)</i> , 2020, 12, 1163.	1.2	20
4090	Assessment of water and energy scarcity, security and sustainability into the future for the Three Gorges Reservoir using an ensemble of RCMs. <i>Journal of Hydrology</i> , 2020, 586, 124893.	2.3	12
4091	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.	2.3	15
4092	Towards quick parameter estimation of hydrological models with large number of computational units. <i>Journal of Hydrology</i> , 2020, 587, 124983.	2.3	9
4093	Future Changes in Water Supply and Demand for Las Vegas Valley: A System Dynamic Approach based on CMIP3 and CMIP5 Climate Projections. <i>Hydrology</i> , 2020, 7, 16.	1.3	15
4094	Addressing the Water-Energy Nexus by Coupling the Hydrological Model with a New Energy LISENGY Model: A Case Study in the Iberian Peninsula. <i>Water (Switzerland)</i> , 2020, 12, 762.	1.2	1
4095	Calibration of a Distributed Hydrological Model in a Data-Scarce Basin Based on GLEAM Datasets. <i>Water (Switzerland)</i> , 2020, 12, 897.	1.2	24
4096	Predicting Future Flood Frequency Under Climate Change Using Copula Function. <i>Water and Environment Journal</i> , 2020, 34, 710-727.	1.0	12
4097	Exploring the spatiotemporal variability of the snow water equivalent in a small boreal forest catchment through observation and modelling. <i>Hydrological Processes</i> , 2020, 34, 2628-2644.	1.1	9
4098	Multi-Objective Hydro-Economic Modeling for Sustainable Groundwater Management. <i>Water Resources Management</i> , 2020, 34, 1855-1869.	1.9	16
4099	Evaluating RZ-SHAW model for simulating surface runoff and subsurface tile drainage under regular and controlled drainage with subirrigation in southern Ontario. <i>Agricultural Water Management</i> , 2020, 237, 106179.	2.4	4
4100	Evaluating a parsimonious watershed model versus SWAT to estimate streamflow, soil loss and river contamination in two case studies in Tiet river basin, So Paulo, Brazil. <i>Journal of Hydrology: Regional Studies</i> , 2020, 29, 100685.	1.0	11
4101	Evolutionary computational intelligence algorithm coupled with self-tuning predictive model for water quality index determination. <i>Journal of Hydrology</i> , 2020, 587, 124974.	2.3	88
4102	Long-term, process-based, continuous simulations for a cluster of six smaller, nested rangeland watersheds near Tombstone, AZ (USA): Establishing a baseline for event-based runoff and sediment yields. <i>Science of the Total Environment</i> , 2020, 717, 137089.	3.9	4
4103	Land use/land cover change effect on soil erosion and sediment delivery in the Winike watershed, Omo Gibe Basin, Ethiopia. <i>Science of the Total Environment</i> , 2020, 728, 138776.	3.9	136
4104	Characterizing the impacts of land use on nitrate load and water yield in an agricultural watershed in Atlantic Canada. <i>Science of the Total Environment</i> , 2020, 729, 138793.	3.9	44

#	ARTICLE	IF	CITATIONS
4105	Modelling the water level of the alluvial aquifer of an ephemeral river in south-western Zimbabwe. <i>Hydrological Sciences Journal</i> , 2020, 65, 1399-1415.	1.2	6
4106	Evaluation of rainfall-runoff model performance under non-stationary hydroclimatic conditions. <i>Hydrological Sciences Journal</i> , 2020, 65, 1667-1684.	1.2	34
4107	Simulating monthly streamflow using a hybrid feature selection approach integrated with an intelligence model. <i>Hydrological Sciences Journal</i> , 2020, 65, 1374-1384.	1.2	13
4108	Deep learning convolutional neural network in rainfall-runoff modelling. <i>Journal of Hydroinformatics</i> , 2020, 22, 541-561.	1.1	109
4109	Shifting Hydrological Processes in a Canadian Agroforested Catchment due to a Warmer and Wetter Climate. <i>Water (Switzerland)</i> , 2020, 12, 739.	1.2	12
4110	Pipeline Scour Rates Prediction-Based Model Utilizing a Multilayer Perceptron-Colliding Body Algorithm. <i>Water (Switzerland)</i> , 2020, 12, 902.	1.2	23
4111	Estimation of evapotranspiration by the Food and Agricultural Organization of the United Nations (FAO) Penman-Monteith temperature (PMT) and Hargreaves-Samani (HS) models under temporal and spatial criteria – a case study in Duero basin (Spain). <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 859-875.	1.5	29
4112	A novel water quality module of the SWMM model for assessing low impact development (LID) in urban watersheds. <i>Journal of Hydrology</i> , 2020, 586, 124886.	2.3	61
4113	Impact assessment of climate change on hydro-climatic conditions of arid and semi-arid watersheds (case study: Zoshk-Abardeh watershed, Iran). <i>Journal of Water and Climate Change</i> , 2021, 12, 580-595.	1.2	3
4114	A hydrological modelling-based approach for vulnerable area identification under changing climate scenarios. <i>Journal of Water and Climate Change</i> , 2021, 12, 433-452.	1.2	17
4115	Modelling potential impact of climate change and uncertainty on streamflow projections: a case study. <i>Journal of Water and Climate Change</i> , 2021, 12, 384-400.	1.2	29
4116	Multiscale teleconnection analysis of monthly total and extreme precipitations in the Yangtze River Basin using ensemble empirical mode decomposition. <i>International Journal of Climatology</i> , 2021, 41, 348-373.	1.5	9
4117	Design of urban runoff pollution control based on the Sponge City concept in a large-scale high-plateau mountainous watershed: a case study in Yunnan, China. <i>Journal of Water and Climate Change</i> , 2021, 12, 201-222.	1.2	10
4118	Parameter Sensitivity Analysis of the WRF-Hydro Modeling System for Streamflow Simulation: a Case Study in Semi-Humid and Semi-Arid Catchments of Northern China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021, 57, 451-466.	1.3	15
4119	Assessing the impacts of climate change on aerobic rice production using the DSSAT-CERES-Rice model. <i>Journal of Water and Climate Change</i> , 2021, 12, 696-708.	1.2	15
4120	Flood investigation and adaptation strategies through best management practices in an ungauged basin in Southwest Nigeria. <i>African Geographical Review</i> , 2021, 40, 141-162.	0.6	2
4121	Predicting soil erosion hazard in Lattakia Governorate (W Syria). <i>International Journal of Sediment Research</i> , 2021, 36, 207-220.	1.8	23
4122	Accounting for Unexpected Risk Events in Drinking Water Systems. <i>Exposure and Health</i> , 2021, 13, 15-31.	2.8	2

#	ARTICLE	IF	CITATIONS
4123	Application of SWAT model with CMADS data for hydrological simulation in western China. Journal of Water and Climate Change, 2021, 12, 1154-1167.	1.2	4
4124	Assessment of localized seasonal precipitation variability in the upper middle catchment of the Olifants River basin. Journal of Water and Climate Change, 2021, 12, 250-264.	1.2	5
4125	PSO-ANFIS hybrid approach for prediction of wave reflection coefficient for semicircular breakwater. ISH Journal of Hydraulic Engineering, 2021, 27, 135-143.	1.1	5
4126	Enhance the prediction of complex hydrological models by pseudo-simulators. Geocarto International, 2021, 36, 1027-1043.	1.7	14
4127	Using search-constrained inverse distance weight modeling for near real-time riverine flood modeling: Harris County, Texas, USA before, during, and after Hurricane Harvey. Natural Hazards, 2021, 105, 277-292.	1.6	2
4128	Assessing impacts of nitrogen management on nitrous oxide emissions and nitrate leaching from greenhouse vegetable systems using a biogeochemical model. Geoderma, 2021, 382, 114701.	2.3	12
4129	Robust design optimization of retaining wall backfilled with shredded tire in the face of earthquake hazards. Bulletin of Engineering Geology and the Environment, 2021, 80, 1351-1363.	1.6	12
4130	Prediction of sediment yield of the Inxu River catchment (South Africa) using the MUSLE. International Soil and Water Conservation Research, 2021, 9, 37-48.	3.0	24
4131	Towards a more consistent eco-hydrological modelling through multi-objective calibration: a case study in the Andean Vilcanota River basin, Peru. Hydrological Sciences Journal, 2021, 66, 59-74.	1.2	22
4132	Ensemble modelling, uncertainty and robust predictions of organic carbon in long-term bare fallow soils. Global Change Biology, 2021, 27, 904-928.	4.2	52
4133	Event-based hydrology and sedimentation in paired watersheds under commercial eucalyptus and grasslands in the Brazilian Pampa biome. International Soil and Water Conservation Research, 2021, 9, 180-194.	3.0	15
4134	Modeling Storm Sewer Networks and Urban Flooding in Roanoke, Virginia, with SWMM and GSSHA. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	0.8	8
4135	A machine learning model to assess the ecosystem response to water policy measures in the Tagus River Basin (Spain). Science of the Total Environment, 2021, 750, 141252.	3.9	16
4136	Cherry damage and the spatial distribution of European earwigs, (<i>Forficula</i>) Tj ETQq1 1 0.784314 rgBT /Ovcrlock 10,Tf 50 22 1,7	1.7	7
4137	Climate change impact on water balance and hydrological extremes in different physiographic regions of the West Seti River Basin, Nepal. Ecohydrology and Hydrobiology, 2021, 21, 79-95.	1.0	21
4138	A near-term drought assessment using hydrological and climate forecasting in the Mekong River Basin. International Journal of Climatology, 2021, 41, E2497.	1.5	19
4139	Socio-technical scales in socio-environmental modeling: Managing a system-of-systems modeling approach. Environmental Modelling and Software, 2021, 135, 104885.	1.9	38
4140	Effects of root morphological traits on soil detachment for ten herbaceous species in the Loess Plateau. Science of the Total Environment, 2021, 754, 142304.	3.9	44

#	ARTICLE	IF	CITATIONS
4141	Bivariate joint distribution analysis of the flood characteristics under semiparametric copula distribution framework for the Kelantan River basin in Malaysia. <i>Journal of Ocean Engineering and Science</i> , 2021, 6, 128-145.	1.7	17
4142	Regional wetland water storage changes: The influence of future climate on geographically isolated wetlands. <i>Ecological Indicators</i> , 2021, 120, 106941.	2.6	13
4143	Optimizing irrigation schedule in a large agricultural region under different hydrologic scenarios. <i>Agricultural Water Management</i> , 2021, 245, 106575.	2.4	20
4144	Multi-scenario flash flood hazard assessment based on rainfall-runoff modeling and flood inundation modeling: a case study. <i>Natural Hazards</i> , 2021, 105, 967-981.	1.6	8
4145	Comparison of Evapotranspiration and Biomass Simulation in Winter Wheat under Conventional and Conservation Tillage Systems using APEX Model. <i>Ecohydrology and Hydrobiology</i> , 2021, 21, 55-66.	1.0	7
4146	Disentangling the historic and future impacts of land use changes and climate variability on the hydrology of a mountain region in Brazil. <i>Journal of Hydrology</i> , 2021, 594, 125650.	2.3	19
4147	Simulating flash flood hydrographs and behavior metrics across China: Implications for flash flood management. <i>Science of the Total Environment</i> , 2021, 763, 142977.	3.9	17
4148	Relative impacts of climate change and land cover change on streamflow using SWAT in the Clackamas River Watershed, USA. <i>Journal of Water and Climate Change</i> , 2021, 12, 1454-1470.	1.2	9
4149	Changes in flow and sediment load of poorly gauged Brahmaputra river basin under an extreme climate scenario. <i>Journal of Water and Climate Change</i> , 2021, 12, 937-954.	1.2	9
4150	Climate change impacts on water resources in the Upper Blue Nile (Abay) River Basin, Ethiopia. <i>Journal of Hydrology</i> , 2021, 592, 125614.	2.3	79
4151	Thermal Crop Water Stress Index Base Line Temperatures for Sugarbeet in Arid Western U.S. <i>Agricultural Water Management</i> , 2021, 243, 106459.	2.4	17
4152	Modelling of ecological status of Polish lakes using deep learning techniques. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5383-5397.	2.7	12
4153	Quantitative joint evaluation of sheep enteric methane emissions and faecal dry matter and nitrogen excretion. <i>Agriculture, Ecosystems and Environment</i> , 2021, 305, 107116.	2.5	8
4154	Monitoring the composition, authenticity and quality dynamics of commercially available Nigerian fat-filled milk powders under inclement conditions using NIRS, chemometrics, packaging and microbiological parameters. <i>Food Chemistry</i> , 2021, 339, 127844.	4.2	5
4155	Threshold of watershed partition in SWAT based on separating hillslope and channel sediment simulations. <i>Ecological Indicators</i> , 2021, 121, 107111.	2.6	3
4156	Impacts of land-use conversions on the water cycle in a typical watershed in the southern Chinese Loess Plateau. <i>Journal of Hydrology</i> , 2021, 593, 125741.	2.3	52
4157	Multi-site calibration of hydrological model and assessment of water balance in a semi-arid river basin of India. <i>Quaternary International</i> , 2021, 571, 136-149.	0.7	21
4158	Impacts of climate change on streamflow and floodplain inundation in a coastal subtropical catchment. <i>Advances in Water Resources</i> , 2021, 147, 103825.	1.7	18

#	ARTICLE	IF	CITATIONS
4159	Influence of soil depth and spatial resolution on the performance of the DHSVM hydrological model in basins with low input data availability. <i>Journal of South American Earth Sciences</i> , 2021, 105, 102993.	0.6	5
4160	Study on the applicability of the SCS-CN-based models to simulate floods in the semi-arid watersheds of northern Algeria. <i>Acta Geophysica</i> , 2021, 69, 217-230.	1.0	2
4161	IRAKA: The first Colombian soil information system with digital soil mapping products. <i>Catena</i> , 2021, 196, 104940.	2.2	5
4162	Evaluating management options to reduce Lake Erie algal blooms using an ensemble of watershed models. <i>Journal of Environmental Management</i> , 2021, 280, 111710.	3.8	25
4163	Effects of elevated CO ₂ on the evapotranspiration over the agricultural land in Northwest China. <i>Journal of Hydrology</i> , 2021, 593, 125858.	2.3	10
4164	Impact of climate change on the hydrology of a semi-arid river basin of India under hypothetical and projected climate change scenarios. <i>Journal of Water and Climate Change</i> , 2021, 12, 969-996.	1.2	9
4165	Rapid assessment of climate risks for irrigated agriculture in two river basins in the Aral Sea Basin. <i>Agricultural Water Management</i> , 2021, 243, 106381.	2.4	11
4166	Quantifying uncertainty cascading from climate, watershed, and lake models in harmful algal bloom predictions. <i>Science of the Total Environment</i> , 2021, 759, 143487.	3.9	11
4167	Soil water content and soil temperature modeling in a vadose zone of Andosol under temperate monsoon climate. <i>Geoderma</i> , 2021, 384, 114797.	2.3	16
4168	Impact of the future coastal water temperature scenarios on the risk of potential growth of pathogenic <i>Vibrio</i> marine bacteria. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 250, 107094.	0.9	11
4169	Estimation of nitrogen runoff loss from croplands in the Yangtze River Basin: A meta-analysis. <i>Environmental Pollution</i> , 2021, 272, 116001.	3.7	31
4170	Uncertainty Analysis of Climate Change Impacts on Flood Frequency by Using Hybrid Machine Learning Methods. <i>Water Resources Management</i> , 2021, 35, 199-223.	1.9	68
4171	Data assimilation of satellite-based terrestrial water storage changes into a hydrology land-surface model. <i>Journal of Hydrology</i> , 2021, 597, 125744.	2.3	8
4172	Hydrological responses to climate change in Yarlung Zangbo River basin, Southwest China. <i>Journal of Hydrology</i> , 2021, 597, 125761.	2.3	19
4173	Modeling the combined impacts of deficit irrigation, rising temperature and compost application on wheat yield and water productivity. <i>Agricultural Water Management</i> , 2021, 244, 106626.	2.4	78
4174	Managing flood flow connectivity to landscapes to build buffering capacity to disturbances: An ecohydrologic modeling framework for drylands. <i>Journal of Environmental Management</i> , 2021, 278, 111486.	3.8	4
4175	Assessing the impacts of diversified crop rotation systems on yields and nitrous oxide emissions in Canada using the DNDC model. <i>Science of the Total Environment</i> , 2021, 759, 143433.	3.9	21
4176	Exploring the effectiveness of drainage water management on water budgets and nitrate loss using three evaluation approaches. <i>Agricultural Water Management</i> , 2021, 243, 106501.	2.4	10

#	ARTICLE	IF	CITATIONS
4177	Impacts of Climate and Land Use Change on Hydrological Response in Gumara Watershed, Ethiopia. <i>Ecohydrology and Hydrobiology</i> , 2021, 21, 315-332.	1.0	29
4178	A procedure to design road bioretention soil media based on runoff reduction and pollutant removal performance. <i>Journal of Cleaner Production</i> , 2021, 287, 125524.	4.6	19
4179	Functionalities of surface depressions in runoff routing and hydrologic connectivity modeling. <i>Journal of Hydrology</i> , 2021, 593, 125870.	2.3	17
4180	Coupling PCSWMM and WASP to Evaluate Green Stormwater Infrastructure Impacts to Storm Sediment Loads in an Urban Watershed. <i>Journal of the American Water Resources Association</i> , 2021, 57, 134-153.	1.0	2
4181	One-dimensional morphodynamic model for retrogressive erosion based on a sediment entrainment theory at high flow velocity. <i>International Journal of Sediment Research</i> , 2021, 36, 306-316.	1.8	2
4182	Influence of alternative representations of land use and geology on distributed hydrological modelling results: Eddleston, Scotland. <i>Hydrological Sciences Journal</i> , 2021, 66, 488-502.	1.2	3
4183	The delineation of ecological redline area for catchment sustainable management from the perspective of ecosystem services and social needs: A case study of the Xiangjiang watershed, China. <i>Ecological Indicators</i> , 2021, 121, 107130.	2.6	31
4184	Storm event impacts on in-stream nitrate concentration and discharge dynamics: A comparison of high resolution in-situ measured data with model simulations. <i>Science of the Total Environment</i> , 2021, 755, 143406.	3.9	8
4185	Study of unpaved road surface erosion based on terrestrial laser scanning. <i>Catena</i> , 2021, 199, 105091.	2.2	15
4186	Buckling of laminated composite skew plate using FEM and machine learning methods. <i>Engineering Computations</i> , 2021, 38, 501-528.	0.7	16
4187	Evaluation of Climate Hazards Group InfraRed Precipitation Station (CHIRPS) satellite-based rainfall estimates over Finchaa and Neshe Watersheds, Ethiopia. <i>Engineering Reports</i> , 2021, 3, e12338.	0.9	18
4188	Prioritization of critical source areas for soil and water conservation by using a one-at-a-time removal approach in the upper Huaihe River basin. <i>Land Degradation and Development</i> , 2021, 32, 1513-1524.	1.8	7
4189	Effects of phosphorus control on primary productivity and deep-water oxygenation: insights from Lake Lugano (Switzerland and Italy). <i>Hydrobiologia</i> , 2021, 848, 613-629.	1.0	9
4190	A probabilistic approach to estimating residential losses from different flood types. <i>Natural Hazards</i> , 2021, 105, 2569-2601.	1.6	20
4191	A hybrid decision tool for optimizing broccoli production in a changing climate. <i>Horticulture Environment and Biotechnology</i> , 2021, 62, 299-312.	0.7	6
4192	Numerical Study on the Effect of Sediment Concentration on Jump Characteristics in Trapezoidal Channels. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1059-1075.	1.0	3
4193	Identifying future climate change and drought detection using CanESM2 in the upper Siem Reap River, Cambodia. <i>Dynamics of Atmospheres and Oceans</i> , 2021, 94, 101182.	0.7	8
4194	Modeling temperature sensitivity of soil organic matter decomposition: Splitting the pools. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108108.	4.2	10

#	ARTICLE	IF	CITATIONS
4195	Revisiting water retention curves for simple hydrological modelling of peat. <i>Hydrological Sciences Journal</i> , 2021, 66, 252-267.	1.2	3
4196	Modeling Watershed-Wide Bioretention Stormwater Retrofits to Achieve Thermal Pollution Mitigation Goals. <i>Journal of the American Water Resources Association</i> , 2021, 57, 109-133.	1.0	2
4197	Hydrologic alteration and potential ecosystemic implications under a changing climate in the Chitral River, Hindukush region, Pakistan. <i>Journal of Water and Climate Change</i> , 2021, 12, 1471-1486.	1.2	13
4198	A modelling-based assessment of suspended sediment transport related to new damming in the Red River basin from 2000 to 2013. <i>Catena</i> , 2021, 197, 104958.	2.2	19
4199	A framework for climate change assessment in Mediterranean data-sparse watersheds using remote sensing and ARIMA modeling. <i>Theoretical and Applied Climatology</i> , 2021, 143, 639-658.	1.3	16
4200	Comparison of Hydrological Model-Based and Geographical-Based Approaches for Estimating Water Travel Times for Source Water Protection. <i>Environmental Processes</i> , 2021, 8, 99-117.	1.7	1
4201	A hybrid of Random Forest and Deep Auto-Encoder with support vector regression methods for accuracy improvement and uncertainty reduction of long-term streamflow prediction. <i>Journal of Hydrology</i> , 2021, 597, 125717.	2.3	45
4202	Development of a PM _{2.5} prediction model using a recurrent neural network algorithm for the Seoul metropolitan area, Republic of Korea. <i>Atmospheric Environment</i> , 2021, 245, 118021.	1.9	41
4203	SWAT-S: A SWAT-salinity module for watershed-scale modeling of natural salinity. <i>Environmental Modelling and Software</i> , 2021, 135, 104906.	1.9	12
4204	Simulating the effects of agricultural production practices on water conservation and crop yields using an improved SWAT model in the Texas High Plains, USA. <i>Agricultural Water Management</i> , 2021, 244, 106574.	2.4	23
4205	A low order dynamical model for runoff predictability. <i>Climate Dynamics</i> , 2021, 56, 399-422.	1.7	4
4206	Risks to health from ambient particulate matter (PM _{2.5}) to the residents of Guwahati city, India: An analysis of prediction model. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 1094-1111.	1.7	8
4207	Trend analysis of evapotranspiration over Iran based on NEX-GDDP high-resolution dataset. <i>International Journal of Climatology</i> , 2021, 41, E2073.	1.5	9
4208	Comparison of machine learning methods and finite element analysis on the fracture behavior of polymer composites. <i>Archive of Applied Mechanics</i> , 2021, 91, 223-239.	1.2	19
4209	Hydrologic impacts of climate change in relation to Ontario's source water protection planning program. <i>Canadian Journal of Civil Engineering</i> , 2021, 48, 1037-1045.	0.7	3
4210	Modeling the effects of historical and future land use/land cover change dynamics on the hydrological response of Ashi watershed, northeastern China. <i>Environment, Development and Sustainability</i> , 2021, 23, 7883-7912.	2.7	12
4211	Design of a hybrid ANN multi-objective whale algorithm for suspended sediment load prediction. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1596-1611.	2.7	49
4212	CLUES model calibration: residual analysis to investigate potential sources of model error. <i>New Zealand Journal of Agricultural Research</i> , 2021, 64, 320-343.	0.9	6

#	ARTICLE	IF	CITATIONS
4213	Simulation and attribution analysis based on the long-short-term-memory network for detecting the dominant cause of runoff variation in the Lake Poyang Basin. Hupo Kexue/Journal of Lake Sciences, 2021, 33, 866-878.	0.3	7
4214	Characteristics of soil and hillslope responses in humid tropical forests in Sumatra, Indonesia. Hydrological Research Letters, 2021, 15, 23-30.	0.3	2
4215	Hydrological response to land use and land cover changes in a tropical West African catchment (Couffo, Benin). AIMS Geosciences, 2021, 7, 338-354.	0.4	0
4216	Optimization and preparation of Self-Nanoemulsifying Drug Delivery System (SNEDDS) loaded gimepiride. AIP Conference Proceedings, 2021, , .	0.3	0
4217	Prediction of flood frequency under a changing climate, the case of Hare watershed, Rift Valley Basin of Ethiopia. Sustainable Water Resources Management, 2021, 7, 1.	1.0	8
4219	The Response of Turbidity Maximum to Peak River Discharge in a Macrotidal Estuary. Water (Switzerland), 2021, 13, 106.	1.2	5
4220	Estimation of the Monthly Mean Temperature Values of the Eastern Black Sea Basin with Statistical Downscaling Method Using Eralnterim Re-analysis Data. DoÄŸal Afetler Ve Äevre Dergisi, 2021, 7, 136-148.	0.2	2
4221	The Novel Microwave Temperature Vegetation Drought Index (MTVDI) Captures Canopy Seasonality across Amazonian Tropical Evergreen Forests. Remote Sensing, 2021, 13, 339.	1.8	8
4222	Assessing hydrologic and water quality effects of land use conversion to <i>Brassica carinata</i> as a winter biofuel crop in the southeastern coastal plain of Georgia, USA using the SWAT model. GCB Bioenergy, 2021, 13, 473-492.	2.5	10
4224	SWAT and HBV modelsâ€™ response to streamflow estimation in the upper Blue Nile Basin, Ethiopia. Water-Energy Nexus, 2021, 4, 41-53.	1.7	20
4225	Spatio-temporal analysis of sediment yield with a physically based model for a data-scarce headwater in Konya Closed Basin, Turkey. Water Science and Technology: Water Supply, 2021, 21, 1752-1763.	1.0	5
4226	Influences of the landscape pattern on riverine nitrogen exports derived from legacy sources in subtropical agricultural catchments. Biogeochemistry, 2021, 152, 161-177.	1.7	11
4227	Multidimensional Aspects of Sustainable Biofuel Feedstock Production. Sustainability, 2021, 13, 1424.	1.6	7
4229	A Soil Water Assessment Tool (SWAT) Modeling Approach to Prioritize Soil Conservation Management in River Basin Critical Areas Coupled With Future Climate Scenario Analysis. Air, Soil and Water Research, 2021, 14, 117862212110213.	1.2	23
4231	Artificial neural network based PERSIANN data sets in evaluation of hydrologic utility of precipitation estimations in a tropical watershed of Sri Lanka. AIMS Geosciences, 2021, 7, 478-489.	0.4	8
4232	Simulating Hydrologic Effects of Wildfire on a Small Sub-Alpine Watershed in New Mexico, U.S.. Transactions of the ASABE, 2021, 64, 137-150.	1.1	2
4233	Sustainable water management in the Angkor Temple Complex, Cambodia. SN Applied Sciences, 2021, 3, 1.	1.5	1
4234	An ET-Based Two-Phase Method for the Calibration and Application of Distributed Hydrological Models. Water Resources Management, 2021, 35, 1065-1077.	1.9	8

#	ARTICLE	IF	CITATIONS
4235	OpenForecast v2: Development and Benchmarking of the First National-Scale Operational Runoff Forecasting System in Russia. <i>Hydrology</i> , 2021, 8, 3.	1.3	8
4236	An Automatic Optimization Technique for the Calibration of a Physically Based Hydrological Rainfall-Runoff Model. <i>Journal of Geoscience and Environment Protection</i> , 2021, 09, 1-20.	0.2	1
4237	Coupling artificial neural networks with the artificial bee colony algorithm for global calibration of hydrological models. <i>Neural Computing and Applications</i> , 2021, 33, 8479-8494.	3.2	11
4238	Estimation of SPEI Meteorological Drought Using Machine Learning Algorithms. <i>IEEE Access</i> , 2021, 9, 65503-65523.	2.6	76
4239	Evapotranspiration mapping of commercial corn fields in Brazil using SAFER algorithm. <i>Scientia Agricola</i> , 2021, 78, .	0.6	7
4240	Daily Rainfall-Runoff Modeling at Watershed Scale: A Comparison Between Physically-Based and Data-Driven Models. <i>Lecture Notes in Computer Science</i> , 2021, , 18-33.	1.0	4
4241	Impact of climate change on flood inundation in a tropical river basin in Indonesia. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	29
4242	Statistical downscaling of GRACE gravity satellite-derived groundwater level data. <i>Journal of Geospatial Information Technology</i> , 2021, 8, 83-101.	0.2	0
4243	Water allocation under climate change. <i>Elementa</i> , 2021, 9, .	1.1	7
4244	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. <i>Computational Water Energy and Environmental Engineering</i> , 2021, 10, 117-130.	0.4	4
4245	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.	1.2	6
4246	Optimization of Windspeed Prediction Using an Artificial Neural Network Compared With a Genetic Programming Model. , 2021, , 116-147.		2
4247	Real-Time Monitoring of Small Reservoir Hydrology Using ICT and Application of Deep Learning for Prediction of Water Level. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 139-157.	0.3	0
4248	A COMPARATIVE ASSESSMENT OF DIFFERENT LOSS METHODS AVAILABLE IN MIKE HYDRO RIVER-UHM. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 2021, 16, 261-273.	0.2	2
4249	Statistical Downscaling of Sea Level by Support Vector Machine and Regression Tree Approaches. <i>Water Science and Technology Library</i> , 2021, , 183-192.	0.2	0
4250	The effect of temporal resolution of input rainfall data in hydrological modelling at urban catchment. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	1
4251	A New Method to Predict Gully Head Erosion in the Loess Plateau of China Based on SBAS-InSAR. <i>Remote Sensing</i> , 2021, 13, 421.	1.8	19
4252	Suspended sediment routing through a small on-stream reservoir based on particle properties. <i>Journal of Soils and Sediments</i> , 2021, 21, 1523-1538.	1.5	2

#	ARTICLE	IF	CITATIONS
4253	Improving the accuracy of global precipitation measurement integrated multi-satellite retrievals (GPM) Tj ETQq0 0 0 rgBT /Overlock 10 T Journal of Remote Sensing, 2021, 42, 2759-2781.	1.3	8
4254	Estimating the Temporal Distribution of Groundwater Recharge by Using the Transient Water Table Fluctuation Method and Watershed Hydrologic Model. Applied Engineering in Agriculture, 2021, 37, 95-104.	0.3	3
4256	Impact of climate change on groundwater recharge in a Brazilian Savannah watershed. Theoretical and Applied Climatology, 2021, 143, 1425-1436.	1.3	7
4257	Testing Possible Scenario-Based Responses of Vegetation Under Expected Climatic Changes in Khuzestan Province. Air, Soil and Water Research, 2021, 14, 117862212110133.	1.2	12
4258	Modeling the Effects of Crop Rotation and Tillage on Sugarbeet Yield and Soil Nitrate Using RZWQM2. Transactions of the ASABE, 2021, 64, 461-474.	1.1	1
4259	Calibration and Uncertainty Analysis for Modelling Runoff in the Tambo River Basin, Peru, Using Sequential Uncertainty Fitting Ver-2 (SUFI-2) Algorithm. Air, Soil and Water Research, 2021, 14, 117862212098870.	1.2	16
4260	Influence of changes in land use and land cover and rainfall on the streamflow regime of a watershed located in the transitioning region of the Brazilian Biomes Atlantic Forest and Cerrado. Environmental Monitoring and Assessment, 2021, 193, 16.	1.3	12
4261	Modeling the applicability of edge-of-field treatment wetlands to reduce nitrate loads in the Elm Creek watershed in southern Minnesota, United States. Journal of Soils and Water Conservation, 2021, 76, 446-456.	0.8	3
4262	Hindcasting and Forecasting Total Suspended Sediment Concentrations Using a NARX Neural Network. Sustainability, 2021, 13, 363.	1.6	5
4263	Applying an Adapted Data Mining Methodology (DMME) to a Tribological Optimisation Problem. , 2021, , 38-43.		5
4264	Hydrological Response of Natural Mediterranean Watersheds to Forest Fires. Hydrology, 2021, 8, 15.	1.3	10
4265	Development of Self-Organized Group Method of Data Handling (GMDH) Algorithm to Increase Permeate Flux (%) of Helical-Shaped Membrane. Advances in Computer and Electrical Engineering Book Series, 2021, , 170-182.	0.2	0
4266	Analyzing Effects of Two Different Land Use Datasets on Hydrological Simulations by Using SWAT Model. International Journal of Environment and Geoinformatics, 2021, 8, 172-185.	0.5	7
4267	Modeling the impacts of land use and land cover dynamics on hydrological processes of the Keleta watershed, Ethiopia. Sustainable Environment, 2021, 7, .	1.2	14
4268	Using statistical traffic analysis to calculate the confidential means of information transmission. ĐĐ°ÑfĐ°Đ° Ñ– Ñ,ĐuÑ...Đ½Ñ–Đ°Đ° Đÿ Đ£Đ°Ñ€Đ°Ñ–Đ½Đ, 2021, , 118-125.	0.2	0
4269	Impact of Land Useâ€œLand Cover Changes on the Streamflow of the Kolab River Basin Using SWAT Model. Water Science and Technology Library, 2021, , 319-331.	0.2	0
4270	Application of GWLF model in the Baohe River Watershed: Analysis of the source composition of nitrogen and phosphorus in the region. IOP Conference Series: Earth and Environmental Science, 0, 621, 012079.	0.2	0
4271	Investigating the Effects of Bed Roughness on Incipient Motion in Rigid Boundary Channels with Developed Hybrid Geno-Fuzzy versus Neuro-Fuzzy Models. Geotechnical and Geological Engineering, 2021, 39, 3171-3191.	0.8	3

#	ARTICLE	IF	CITATIONS
4272	Modeling the rainfall-runoff using MIKE 11 NAM model in Shaya catchment, Ethiopia. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 2545-2551.	1.9	17
4273	Good-quality Long-term Forecast of Spring-summer Flood Runoff for Mountain Rivers. <i>Water Resources Management</i> , 2021, 35, 811-825.	1.9	3
4274	Data-driven modelling framework for streamflow prediction in a physio-climatically heterogeneous river basin. <i>Soft Computing</i> , 2021, 25, 5951-5978.	2.1	11
4275	Reliability Analysis of Circular Footing by Using GP and MPMR. <i>International Journal of Applied Metaheuristic Computing</i> , 2021, 12, 1-19.	0.5	2
4276	Satellite-Based Precipitation Datasets Evaluation Using Gauge Observation and Hydrological Modeling in a Typical Arid Land Watershed of Central Asia. <i>Remote Sensing</i> , 2021, 13, 221.	1.8	21
4277	Insights on the Impacts of Hydroclimatic Extremes and Anthropogenic Activities on Sediment Yield of a River Basin. <i>Earth</i> , 2021, 2, 32-50.	0.9	10
4278	MorphEst: An Automated Toolbox for Measuring Estuarine Planform Geometry from Remotely Sensed Imagery and Its Application to the South Korean Coast. <i>Remote Sensing</i> , 2021, 13, 330.	1.8	5
4279	Investigating Runoff Sensitivity in the Land-Surface Model MATSIRO to Reduce Low Runoff Bias. <i>Journal of the Meteorological Society of Japan</i> , 2021, 99, 685-695.	0.7	2
4280	Application of soft computing techniques for shallow foundation reliability in geotechnical engineering. <i>Geoscience Frontiers</i> , 2021, 12, 375-383.	4.3	64
4281	Estimation of Hourly Salinity Concentrations Using an Artificial Neural Network. <i>Lecture Notes in Computer Science</i> , 2021, , 629-640.	1.0	2
4282	The Development Trend and Research Frontiers of Distributed Hydrological Models—Visual Bibliometric Analysis Based on Citespace. <i>Water (Switzerland)</i> , 2021, 13, 174.	1.2	13
4283	Floods of glacial streams in Qaanaaq, northwestern Greenland. <i>Journal of the Japanese Society of Snow and Ice</i> , 2021, 83, 193-204.	0.0	0
4284	Comparison of Classical Mann-Kendal Test and Graphical Innovative Trend Analysis for Analyzing Rainfall Changes in India. <i>Springer Climate</i> , 2021, , 155-183.	0.3	5
4285	Estimation of excess water in the Sebou basin for an interbasin water transfer. <i>Journal of Applied Water Engineering and Research</i> , 2021, 9, 69-87.	1.0	3
4286	Understanding the water balance and its estimation methods. , 2021, , 193-221.		3
4287	Efficient computational system reliability analysis of reinforced soil-retaining structures under seismic conditions including the effect of simulated noise. <i>Engineering With Computers</i> , 0, , 1.	3.5	6
4288	Urban flood hazard analysis in present and future climate after statistical downscaling: a case study in Ha Tinh city, Vietnam. <i>Urban Water Journal</i> , 2021, 18, 257-274.	1.0	13
4289	Quantifying Agroforestry Yield Buffering Potential Under Climate Change in the Smallholder Maize Farming Systems of Ethiopia. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	11

#	ARTICLE	IF	CITATIONS
4290	Water Environmental Capacity Calculation Based on Control of Contamination Zone for Water Environment Functional Zones in Jiangsu Section of Yangtze River, China. <i>Water (Switzerland)</i> , 2021, 13, 587.	1.2	5
4291	Effect of Climate Variability on Green and Blue Water Resources in a Temperate Monsoon Watershed, Northeastern China. <i>Sustainability</i> , 2021, 13, 2193.	1.6	8
4292	Calibration of distributed hydrological models considering the heterogeneity of the parameters across the basin: a case study of SWAT model. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	7
4293	Predicting mean annual and mean monthly streamflow in Colorado ungauged basins. <i>River Research and Applications</i> , 2021, 37, 569-578.	0.7	7
4294	Optimization of an effective quick coupling valve for pressurized irrigation*. <i>Irrigation and Drainage</i> , 0, , .	0.8	0
4295	Characterization of the fate and distribution of methoxyfenozide in a water-plant-fish-sediment microcosm using a multimedia fugacity model. <i>Science of the Total Environment</i> , 2021, 755, 142482.	3.9	13
4296	Regional differences of water regulation services of terrestrial ecosystem in the Tibetan Plateau: Insights from multiple land covers. <i>Journal of Cleaner Production</i> , 2021, 283, 125216.	4.6	6
4297	Morphodynamic Evolution of a Nourished Beach with Artificial Sandbars: Field Observations and Numerical Modeling. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 245.	1.2	15
4298	Assessing climate change impacts on streamflow and sediment load in the upstream of the Mekong River basin. <i>International Journal of Climatology</i> , 2021, 41, 3391-3410.	1.5	11
4299	Evaluating Vulnerability of Central Asian Water Resources under Uncertain Climate and Development Conditions: The Case of the Ili-Balkhash Basin. <i>Water (Switzerland)</i> , 2021, 13, 615.	1.2	13
4300	Investigation of Climate Change Adaptation Impacts on Optimization of Water Allocation Using a Coupled SWAT-bi Level Programming Model. <i>Wetlands</i> , 2021, 41, 1.	0.7	9
4301	Simulation of Pollution Load at Basin Scale Based on LSTM-BP Spatiotemporal Combination Model. <i>Water (Switzerland)</i> , 2021, 13, 516.	1.2	4
4302	Assessment of Climate Change Impacts on Precipitation and Temperature in the Chataprabha Sub-basin Using CMIP5 Models. <i>Mapan - Journal of Metrology Society of India</i> , 0, , 1.	1.0	3
4303	Assessment of satellite products for filling rainfall data gaps in the Amazon region. <i>Natural Resource Modelling</i> , 2021, 34, e12298.	0.8	16
4304	Hindcasting multidecadal predevelopment groundwater levels in the Floridan aquifer. <i>Ground Water</i> , 2021, 59, 524-536.	0.7	1
4305	Numerical model development for investigating hydrologic pathways in shallow fluviokarst. <i>Journal of Hydrology</i> , 2021, 593, 125844.	2.3	11
4306	Evaluation of RFE Satellite Precipitation and its Use in Streamflow Simulation in Poorly Gauged Basins. <i>Environmental Processes</i> , 2021, 8, 691-712.	1.7	7
4307	The Effect of Herbage Availability and Season of Year on the Rate of Liveweight Loss during Weighing of Fasting Ewe Lambs. <i>Agriculture (Switzerland)</i> , 2021, 11, 150.	1.4	1

#	ARTICLE	IF	CITATIONS
4308	From Hydrometeorology to River Water Quality: Can a Deep Learning Model Predict Dissolved Oxygen at the Continental Scale?. <i>Environmental Science & Technology</i> , 2021, 55, 2357-2368.	4.6	116
4309	Evaluation of historical CMIP6 model simulations and future projections of temperature and precipitation in Paraguay. <i>Climatic Change</i> , 2021, 164, 1.	1.7	19
4310	Understanding human adaptation to drought: agent-based agricultural water demand modeling in the Bow River Basin, Canada. <i>Hydrological Sciences Journal</i> , 2021, 66, 389-407.	1.2	12
4311	Nutrient Load Mitigation with Wintertime Cover as Estimated by the INCA Model. <i>Water (Switzerland)</i> , 2021, 13, 450.	1.2	5
4312	Perspectives of Hydrologic Modeling in Agricultural Research. , 0, , .		2
4313	Framework to Study the Effects of Climate Change on Vulnerability of Ecosystems and Societies: Case Study of Nitrates in Drinking Water in Southern Finland. <i>Water (Switzerland)</i> , 2021, 13, 472.	1.2	3
4314	Modeling Nitrate Export From a Mesoscale Catchment Using StorAge Selection Functions. <i>Water Resources Research</i> , 2021, 57, e2020WR028490.	1.7	19
4315	Modelling of the Discharge Response to Climate Change under RCP8.5 Scenario in the Alata River Basin (Mersin, SE Turkey). <i>Water (Switzerland)</i> , 2021, 13, 483.	1.2	12
4316	Evaluation and Hydrological Utility of the GPM IMERG Precipitation Products over the Xinfengjiang River Reservoir Basin, China. <i>Remote Sensing</i> , 2021, 13, 866.	1.8	9
4317	Hydrometeorological Observations and Modeling of an Extreme Rainfall Event Using WRF and WRF-Hydro during the RELAMPAGO Field Campaign in Argentina. <i>Journal of Hydrometeorology</i> , 2021, 22, 331-351.	0.7	14
4318	Data-driven approaches for runoff prediction using distributed data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 2153-2171.	1.9	19
4319	Evaluation of precipitation elasticity using precipitation data from ground and satellite-based estimates and watershed modeling in Western Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2021, 33, 100768.	1.0	27
4320	A pseudo-reservoir concept in SWAT model for the simulation of an alluvial floodplain in a complex tropical river system. <i>Journal of Hydrology: Regional Studies</i> , 2021, 33, 100770.	1.0	5
4322	Flood events caused by discharge from Qaanaaq Glacier, northwestern Greenland. <i>Journal of Glaciology</i> , 2021, 67, 500-510.	1.1	8
4323	An integrated multi-CCMs Bayesian-neural-network hydrological analysis method for quantifying climate change impact on runoff of the Amu Darya River basin. <i>International Journal of Climatology</i> , 2021, 41, 3411-3424.	1.5	12
4324	Choosing an arbitrary calibration period for hydrologic models: How much does it influence water balance simulations?. <i>Hydrological Processes</i> , 2021, 35, e14045.	1.1	20
4325	Utility of Remotely Sensed Evapotranspiration Products to Assess an Improved Model Structure. <i>Sustainability</i> , 2021, 13, 2375.	1.6	6
4326	Assessment of the potential changes in low flow projections estimated by Coupled Model Intercomparison Project Phase 5 climate models at monthly and seasonal scales. <i>International Journal of Climatology</i> , 2021, 41, 3222-3236.	1.5	5

#	ARTICLE	IF	CITATIONS
4327	Impact of sedimentation by check dam on the hydrodynamics in the channel on the Loess Plateau of China. <i>Natural Hazards</i> , 2021, 107, 953-969.	1.6	12
4328	Comprehensive evaluation of machine learning models for suspended sediment load inflow prediction in a reservoir. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 1805-1823.	1.9	25
4329	Simulation of rainfall-runoff process for an ungauged catchment using an event-based hydrologic model: A case study of koraiyar basin in Tiruchirappalli city, India. <i>Journal of Earth System Science</i> , 2021, 130, 1.	0.6	15
4330	Developing flood vulnerability curve for rice crop using remote sensing and hydrodynamic modeling. <i>International Journal of Disaster Risk Reduction</i> , 2021, 54, 102058.	1.8	24
4331	A Modified Chezy Formula for One-Dimensional Unsteady Frictional Resistance in Open Channel Flow. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021, 143, .	0.8	3
4332	Assessment of the best management practices under a semi-arid basin using SWAT model (case of Mâ€™dez) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	15
4333	Reference evapotranspiration of Brazil modeled with machine learning techniques and remote sensing. <i>PLoS ONE</i> , 2021, 16, e0245834.	1.1	19
4334	Evaluation of Irrigation Safety by Operation Management of Water Supply from Large Scale Agricultural Reservoirs. <i>Korean Society of Hazard Mitigation</i> , 2021, 21, 189-198.	0.1	1
4335	Flood hydrograph modeling using artificial neural network and adaptive neuro-fuzzy inference system based on rainfall components. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	5
4336	Mixed Regional Shifts in Conifer Productivity under 21st-Century Climate Projections in Canadaâ€™s Northeastern Boreal Forest. <i>Forests</i> , 2021, 12, 248.	0.9	2
4337	Effect of Watershed Delineation and Climate Datasets Density on Runoff Predictions for the Upper Mississippi River Basin Using SWAT within HAWQS. <i>Water (Switzerland)</i> , 2021, 13, 422.	1.2	9
4338	Streamflow estimation using satellite-retrieved water fluxes and machine learning technique over monsoon-dominated catchments of India. <i>Hydrological Sciences Journal</i> , 2021, 66, 656-671.	1.2	18
4339	Hydrological regimes in a tropical valley of New Caledonia (<sc>SW</sc> Pacific): Impacts of wildfires and invasive fauna. <i>Hydrological Processes</i> , 2021, 35, e14071.	1.1	6
4340	Prediction of meteorological drought by using hybrid support vector regression optimized with HHO versus PSO algorithms. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39139-39158.	2.7	66
4341	Modeling and predicting suspended sediment load under climate change conditions: a new hybridization strategy. <i>Journal of Water and Climate Change</i> , 2021, 12, 2422-2443.	1.2	28
4342	Sensors track mobilization of â€™chemical cocktailsâ€™ in streams impacted by road salts in the Chesapeake Bay watershed. <i>Environmental Research Letters</i> , 2021, 16, 035017.	2.2	19
4343	Integrating Satellite Rainfall Estimates with Hydrological Water Balance Model: Rainfall-Runoff Modeling in Awash River Basin, Ethiopia. <i>Water (Switzerland)</i> , 2021, 13, 800.	1.2	10
4344	Spatially variable hydrologic impact and biomass production tradeoffs associated with Eucalyptus (E.) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	4

#	ARTICLE	IF	CITATIONS
4345	A self-identification Neuro-Fuzzy inference framework for modeling rainfall-runoff in a Chilean watershed. <i>Journal of Hydrology</i> , 2021, 594, 125910.	2.3	19
4346	Adaptation strategies for rainfed rice water management under climate change in Songkhram River Basin, Thailand. <i>Journal of Water and Climate Change</i> , 2021, 12, 2181-2198.	1.2	3
4347	Toward Sustainable Revegetation in the Loess Plateau Using Coupled Water and Carbon Management. <i>Engineering</i> , 2022, 15, 143-153.	3.2	15
4348	Modeling dynamic performance of urban infiltration trench systems: Methodology and a case study in Philadelphia. <i>Journal of Hydrology</i> , 2021, 594, 125938.	2.3	11
4349	Estimation of Water Yield under Baseline and Future Climate Change Scenarios in Genale Watershed, Genale Dawa River Basin, Ethiopia, Using SWAT Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	19
4350	Simulating Hydrological Responses of Integrated Crop-Livestock Systems under Future Climate Changes in an Agricultural Watershed. <i>Journal of the American Water Resources Association</i> , 2021, 57, 474-492.	1.0	4
4351	Assessing Future Impacts of Climate Change on Streamflow within the Alabama River Basin. <i>Climate</i> , 2021, 9, 55.	1.2	16
4352	Evaluating the hydropower potential of the Grand Ethiopian Renaissance Dam. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	0.8	8
4353	Hourly Prediction of Phytoplankton Biomass and Its Environmental Controls in Lowland Rivers. <i>Water Resources Research</i> , 2021, 57, e2020WR028773.	1.7	14
4354	GRNN Model for prediction of groundwater fluctuation in the state of Uttarakhand of India using GRACE data under limited bore well data. <i>Journal of Hydroinformatics</i> , 2021, 23, 567-588.	1.1	9
4355	Evaluating the effects of forest tree species on rill detachment capacity in a semi-arid environment. <i>Ecological Engineering</i> , 2021, 161, 106158.	1.6	12
4356	Machine Learning Improvement of Streamflow Simulation by Utilizing Remote Sensing Data and Potential Application in Guiding Reservoir Operation. <i>Sustainability</i> , 2021, 13, 3645.	1.6	7
4357	A framework for projecting future streamflow of the Yalong River basin to climate change. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 1549-1562.	1.9	11
4358	Analyzing the Suitability of Remotely Sensed ET for Calibrating a Watershed Model of a Mediterranean Montane Forest. <i>Remote Sensing</i> , 2021, 13, 1258.	1.8	6
4359	A Hybrid VMD-SVM Model for Practical Streamflow Prediction Using an Innovative Input Selection Framework. <i>Water Resources Management</i> , 2021, 35, 1321-1337.	1.9	34
4360	Coupling the Xinjiang model and wavelet-based random forests method for improved daily streamflow simulation. <i>Journal of Hydroinformatics</i> , 2021, 23, 589-604.	1.1	16
4361	Reliability Analysis of Pile Foundation Using Soft Computing Techniques: A Comparative Study. <i>Processes</i> , 2021, 9, 486.	1.3	34
4362	Quantifying monthly water balance to estimate water deficit in Mayurakshi River basin of Eastern India. <i>Environment, Development and Sustainability</i> , 2021, 23, 15986.	2.7	3

#	ARTICLE	IF	CITATIONS
4363	Constructed wetland management in urban catchments for mitigating floods. Stochastic Environmental Research and Risk Assessment, 2021, 35, 2105-2124.	1.9	10
4364	Simulating internal watershed processes using multiple SWAT models. Science of the Total Environment, 2021, 759, 143920.	3.9	21
4365	Moistube irrigation fouling due to anaerobic filtered effluent (AF) and horizontal flow constructed wetland (HFCW) effluent. Scientific Reports, 2021, 11, 7124.	1.6	2
4366	Assessment of the effects of human activity and natural condition on the outflow of Syr Darya River: A stepwise-cluster factorial analysis method. Environmental Research, 2021, 194, 110634.	3.7	5
4367	Simplified Methods for Storm Surge Forecast and Hindcast in Semi-Enclosed Basins: A Review. , 0, , .		0
4368	Modeling of residual chlorine in a drinking water network in times of pandemic of the SARS-CoV-2 (COVID-19). Sustainable Environment Research, 2021, 31, .	2.1	17
4369	Estimation of the Climate Change Impact on the Hydrological Balance in Basins of South-Central Chile. Water (Switzerland), 2021, 13, 794.	1.2	16
4370	Hydrological responses to human-induced land use/land cover changes in the Gidabo River basin, Ethiopia. Hydrological Sciences Journal, 2021, 66, 640-655.	1.2	31
4371	Quantifying nitrate leaching to groundwater from a corn-peanut rotation under a variety of irrigation and nutrient management practices in the Suwannee River Basin, Florida. Agricultural Water Management, 2021, 246, 106634.	2.4	17
4372	Performance evaluation of multiple satellite rainfall products for Dhidhessa River Basin (DRB), Ethiopia. Atmospheric Measurement Techniques, 2021, 14, 2299-2316.	1.2	23
4373	Evaluating the Relationships between Riparian Land Cover Characteristics and Biological Integrity of Streams Using Random Forest Algorithms. International Journal of Environmental Research and Public Health, 2021, 18, 3182.	1.2	9
4374	Long-term and event-scale sub-daily streamflow and sediment simulation in a small forested catchment. Hydrological Sciences Journal, 2021, 66, 862-873.	1.2	5
4375	Evaluation of furrow irrigation performance: Case of Kasinthula Cane Growers Scheme in Malawi. African Journal of Science, Technology, Innovation and Development, 2022, 14, 669-677.	0.8	1
4376	On the use of machine learning based ensemble approaches to improve evapotranspiration estimates from croplands across a wide environmental gradient. Agricultural and Forest Meteorology, 2021, 298-299, 108308.	1.9	21
4377	Modeling alterations in flow regimes under changing climate in a Mediterranean watershed: An analysis of ecologically-relevant hydrological indicators. Ecological Informatics, 2021, 61, 101219.	2.3	21
4378	Comparison between observed and DeNitrification-DeComposition model-based nitrous oxide fluxes and maize yields under selected soil fertility management technologies in Kenya. Plant and Soil, 2021, 463, 395-413.	1.8	7
4379	Streamflow simulation in data-scarce basins using Bayesian and physics-informed machine learning models. Journal of Hydrometeorology, 2021, , .	0.7	17
4380	Modelling of Future Water Use Scenarios Using WEAP Model: A Case Study in Baghdad City, Iraq. Engineering and Technology Journal, 2021, 39, 488-503.	0.4	5

#	ARTICLE	IF	CITATIONS
4381	Estimation of erosion using Soil and Water Assessment Tool (SWAT) model in Samin Sub-watershed, Karanganyar and Sukoharjo Districts, Jawa Tengah. IOP Conference Series: Earth and Environmental Science, 2021, 686, 012036.	0.2	0
4382	Integrated Technology for Evaluation and Assessment of Multi-Scale Hydrological Systems in Managing Nonpoint Source Pollution. <i>Water (Switzerland)</i> , 2021, 13, 842.	1.2	2
4383	Comparing Three Hydrological Models for Flash Flood Simulations in 13 Humid and Semi-humid Mountainous Catchments. <i>Water Resources Management</i> , 2021, 35, 1547-1571.	1.9	5
4384	Calibrating AquaCrop model using genetic algorithm with multi-objective functions applying different weight factors. <i>Agronomy Journal</i> , 2021, 113, 1420-1438.	0.9	4
4385	Evaluating watershed hydrological responses to climate changes at Hangar Watershed, Ethiopia. <i>Journal of Water and Climate Change</i> , 2021, 12, 2271-2287.	1.2	4
4386	Comparison of meteorological data, related to reference evapotranspiration, from conventional and automatic stations in the Sertão and Agreste regions of Pernambuco, Brazil. <i>DYNA (Colombia)</i> , 2021, 88, 176-183.	0.2	3
4387	Impact of data sources to DEM construction and application to runoff and sediment yield modelling using LISEM model. <i>Journal of Earth System Science</i> , 2021, 130, 1.	0.6	5
4388	From Changing Environment to Changing Extremes: Exploring the Future Streamflow and Associated Uncertainties Through Integrated Modelling System. <i>Water Resources Management</i> , 2021, 35, 1889-1911.	1.9	19
4389	Integrated Evaluation of Changing Water Resources in an Active Ecotourism Area: The Case of Puerto Princesa City, Palawan, Philippines. <i>Sustainability</i> , 2021, 13, 4826.	1.6	1
4390	Using the InVEST Model to Assess the Impacts of Climate and Land Use Changes on Water Yield in the Upstream Regions of the Shule River Basin. <i>Water (Switzerland)</i> , 2021, 13, 1250.	1.2	36
4391	Assessing the impacts of climate change on irrigation diversion water requirement in the Philippines. <i>Climatic Change</i> , 2021, 165, 1.	1.7	2
4392	Changes in soil carbon stocks under plantation systems and natural forests in Northeast India. <i>Ecological Modelling</i> , 2021, 446, 109500.	1.2	17
4393	Detection of Spatial Shift in Flood Regime of the Kabul River Basin in Pakistan, Causes, Challenges, and Opportunities. <i>Water (Switzerland)</i> , 2021, 13, 1276.	1.2	10
4394	Role of Sponge City Development in China's battle against urban water pollution: Insights from a transjurisdictional water quality management study. <i>Journal of Cleaner Production</i> , 2021, 294, 126335.	4.6	12
4395	Using the Soil and Water Assessment Tool to develop a LiDAR-based index of the erosion regulation ecosystem service. <i>Journal of Hydrology</i> , 2021, 595, 126009.	2.3	9
4396	Impact of water resource development plan on water abstraction and water balance of Lake Ziway, Ethiopia. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	14
4397	Vulnerability assessment of water resources using GIS, remote sensing and SWAT model – a case study: the upper part of Dong Nai river basin, Vietnam. <i>International Journal of River Basin Management</i> , 0, 1-16.	1.5	2
4398	Process-Based Modeling of the High Flow of a Semi-Mountain River under Current and Future Climatic Conditions: A Case Study of the Iya River (Eastern Siberia). <i>Water (Switzerland)</i> , 2021, 13, 1042.	1.2	9

#	ARTICLE	IF	CITATIONS
4399	Comparing the Hydrological Response of Forested Headwaters (Unregulated and Regulated with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	5
4400	The Influence of Dam Construction on the Catchment Hydrologic Behavior and its Effects on a Discharge Forecast in Hydrological Models. <i>Water Resources Management</i> , 2021, 35, 2023-2037.	1.9	9
4401	Analysis of the response of the Epitácio Pessoa reservoir (Brazilian semiarid region) to potential future drought, water transfer and LULC scenarios. <i>Natural Hazards</i> , 2021, 108, 1347-1371.	1.6	7
4402	Effects of Supply Parameters of Stratum Ventilation on Energy Utilization Efficiency and Indoor Thermal Comfort: A Computational Approach. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	0.6	1
4403	Assessment of cement characteristics affecting rheological properties of cement pastes. <i>Neural Computing and Applications</i> , 2021, 33, 12805-12826.	3.2	9
4404	Evaluation of the Climate Forecast System Reanalysis data for hydrological model in the Arctic watershed MÅ¥lsv. <i>Journal of Water and Climate Change</i> , 2021, 12, 3481-3504.	1.2	4
4405	Water shortage risks for China's coal power plants under climate change. <i>Environmental Research Letters</i> , 2021, 16, 044011.	2.2	5
4406	Modeling maize production under growth stage-based deficit irrigation management with RZWQM2. <i>Agricultural Water Management</i> , 2021, 248, 106767.	2.4	8
4407	Impact of Geospatial Data Enhancements for Regional-Scale 2D Hydrodynamic Flood Modeling: Case Study for the Coastal Plain of Virginia. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	6
4408	Global Analysis of Atmospheric Transmissivity Using Cloud Cover, Aridity and Flux Network Datasets. <i>Remote Sensing</i> , 2021, 13, 1716.	1.8	23
4409	Evaluating Nature-Based Solution for Flood Reduction in Spercheios River Basin under Current and Future Climate Conditions. <i>Sustainability</i> , 2021, 13, 3885.	1.6	12
4410	Responses of Hydrological Processes under Different Shared Socioeconomic Pathway Scenarios in the Huaihe River Basin, China. <i>Water (Switzerland)</i> , 2021, 13, 1053.	1.2	12
4411	Event-based and continuous flood modeling in Zijinguan watershed, Northern China. <i>Natural Hazards</i> , 2021, 108, 733-753.	1.6	10
4412	Impacts of land use and land cover changes on hydrological processes and sediment yield determined using the SWAT model. <i>International Journal of Sediment Research</i> , 2022, 37, 54-69.	1.8	47
4413	Climate Extremes across the North American Arctic in Modern Reanalyses. <i>Journal of Climate</i> , 2021, 34, 2385-2410.	1.2	24
4414	Climate change impact on streamflow in a tropical basin of Ghana, West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2021, 34, 100805.	1.0	10
4415	Identification of significant climatic risk factors and machine learning models in dengue outbreak prediction. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 141.	1.5	8
4416	Development of a Predictive Equation for Modelling the Infiltration Process Using Gene Expression Programming. <i>Water Resources Management</i> , 2021, 35, 1871-1888.	1.9	2

#	ARTICLE	IF	CITATIONS
4417	Attenuation of photosynthetically active radiation and ultraviolet radiation in response to changing dissolved organic carbon in browning lakes: Modeling and parametrization. <i>Limnology and Oceanography</i> , 2021, 66, 2278-2289.	1.6	13
4418	Spatiotemporal dynamics of succession and growth limitation of phytoplankton for nutrients and light in a large shallow lake. <i>Water Research</i> , 2021, 194, 116910.	5.3	44
4419	Rainfall in Brazilian Northeast via in situ data and CHELSA product: mapping, trends, and socio-environmental implications. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 263.	1.3	14
4420	Fuzzy clustering and distributed model for streamflow estimation in ungauged watersheds. <i>Scientific Reports</i> , 2021, 11, 8243.	1.6	33
4422	Impact of Future Land-Use/Cover Change on Streamflow and Sediment Load in the Be River Basin, Vietnam. <i>Water (Switzerland)</i> , 2021, 13, 1244.	1.2	11
4423	Future rice farming threatened by drought in the Lower Mekong Basin. <i>Scientific Reports</i> , 2021, 11, 9383.	1.6	27
4424	Enhanced streamflow prediction with SWAT using support vector regression for spatial calibration: A case study in the Illinois River watershed, U.S.. <i>PLoS ONE</i> , 2021, 16, e0248489.	1.1	13
4425	Impending Hydrological Regime of Lhasa River as Subjected to Hydraulic Interventions—A SWAT Model Manifestation. <i>Remote Sensing</i> , 2021, 13, 1382.	1.8	6
4426	Influence of different controlled drainage strategies on the water and salt environment of ditch wetland: A model-based study. <i>Soil and Tillage Research</i> , 2021, 208, 104894.	2.6	6
4427	Performance Evaluation of a Two-Parameters Monthly Rainfall-Runoff Model in the Southern Basin of Thailand. <i>Water (Switzerland)</i> , 2021, 13, 1226.	1.2	17
4428	Influence of climate change on water partitioning in agricultural watersheds: Examples from Sweden. <i>Agricultural Water Management</i> , 2021, 249, 106766.	2.4	19
4429	Hydrological Process Simulation of Sluice-Controlled Rivers in the Plains Area of China Based on an Improved SWAT Model. <i>Water Resources Management</i> , 2021, 35, 1817-1835.	1.9	8
4430	Vibration control of gun recoil system with magneto-rheological damper associated with adaptive hybrid skyhook active force control. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	2
4431	Application of SWAT in Hydrological Simulation of Complex Mountainous River Basin (Part I: Model) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	20
4432	Decoding the dramatic hundred-year water level variations of a typical great lake in semi-arid region of northeastern Asia. <i>Science of the Total Environment</i> , 2021, 770, 145353.	3.9	16
4433	Scour at the downstream of Ghatakeswar spillway using non-cohesive hydraulic model. <i>ISH Journal of Hydraulic Engineering</i> , 0, , 1-11.	1.1	1
4434	Future projections of water level and thermal regime changes of a multipurpose subtropical reservoir (Sao Paulo, Brazil). <i>Science of the Total Environment</i> , 2021, 770, 144741.	3.9	11
4435	Climate-changed versus land-use altered streamflow: A relative contribution assessment using three complementary approaches at a decadal time-spell. <i>Journal of Hydrology</i> , 2021, 596, 126064.	2.3	18

#	ARTICLE	IF	CITATIONS
4436	Spatiotemporal Drivers of Hydrochemical Variability in a Tropical Glacierized Watershed in the Andes. <i>Water Resources Research</i> , 2021, 57, e2020WR028722.	1.7	3
4437	Meteorological and Hydrological Drought Assessment for Dong Nai River Basin, Vietnam under Climate Change. <i>Mobile Networks and Applications</i> , 2021, 26, 1788-1800.	2.2	6
4438	Variable 21st Century Climate Change Response for Rivers in High Mountain Asia at Seasonal to Decadal Time Scales. <i>Water Resources Research</i> , 2021, 57, e2020WR029266.	1.7	63
4439	Unravelling the influence of subjectivity on ranking of <scp>CMIP6</scp> based climate models: A case study. <i>International Journal of Climatology</i> , 2021, 41, 5998-6016.	1.5	21
4440	Stochastic reliability-based risk evaluation and mapping for watershed systems and sustainability (STREAMS). <i>Journal of Hydrology</i> , 2021, 596, 126030.	2.3	3
4441	Alternative cropping systems for groundwater irrigation sustainability in the North China Plain. <i>Agricultural Water Management</i> , 2021, 250, 106867.	2.4	23
4442	Calibration and Evaluation of the FAO AquaCrop Model for Canola (<i>Brassica napus</i>) under Varied Moisture Irrigation Regimes. <i>Agriculture (Switzerland)</i> , 2021, 11, 410.	1.4	17
4443	Quantifying Cooperation Benefits for New Dams in Transboundary Water Systems Without Formal Operating Rules. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	8
4444	Numerical study of hydro-environmental processes of Poyang Lake subject to engineering control. <i>Hydrology Research</i> , 2021, 52, 760-786.	1.1	5
4445	Quantifying the Relative Contribution of Climate Change and Anthropogenic Activities on Runoff Variations in the Central Part of Tajikistan in Central Asia. <i>Land</i> , 2021, 10, 525.	1.2	8
4446	Invasive Dreissenid Mussel Effects on Phosphorus Dynamics in Lake Ontario: Insights from Integrated Hydrodynamic-Ecological Modeling. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 0, , .	0.7	2
4447	Multi-scale evaluation of a 3D lake model forced by an atmospheric model against standard monitoring data. <i>Environmental Modelling and Software</i> , 2021, 139, 105017.	1.9	14
4448	An interactive Web-GIS fluvial flood forecast and alert system in operation in Portugal. <i>International Journal of Disaster Risk Reduction</i> , 2021, 58, 102201.	1.8	18
4449	Spatial-temporal pattern study on water conservation function using the SWAT model. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 3629-3642.	1.0	8
4450	Numerical assessment of climate change impact on the hydrological regime of a small Mediterranean river, Lesvos Island, Greece. <i>Acta Horticulturae Et Regiotecturae</i> , 2021, 24, 28-48.	0.5	6
4451	Assessing the Use of Dual-Drainage Modeling to Determine the Effects of Green Stormwater Infrastructure on Roadway Flooding and Traffic Performance. <i>Water (Switzerland)</i> , 2021, 13, 1563.	1.2	6
4452	Flash flood type identification and simulation based on flash flood behavior indices in China. <i>Science China Earth Sciences</i> , 2021, 64, 1140-1154.	2.3	12
4453	An improved modeling of precipitation phase and snow in the Lancang River Basin in Southwest China. <i>Science China Technological Sciences</i> , 2021, 64, 1513-1527.	2.0	15

#	ARTICLE	IF	CITATIONS
4454	Identifying the Dominant Drivers of Hydrological Change in the Contiguous United States. <i>Water Resources Research</i> , 2021, 57, e2021WR029738.	1.7	21
4455	Data requirements and performance evaluation of model predictive control in buildings: A modeling perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 142, 110835.	8.2	53
4456	Iowa Urban FEWS: Integrating Social and Biophysical Models for Exploration of Urban Food, Energy, and Water Systems. <i>Frontiers in Big Data</i> , 2021, 4, 662186.	1.8	11
4457	Development of a framework for sand auditing of the Chaliyar River basin, Kerala, India using HEC-HMS and HEC-RAS model coupling. <i>International Journal of River Basin Management</i> , 2023, 21, 67-80.	1.5	8
4458	A comparison between advanced hybrid machine learning algorithms and empirical equations applied to abutment scour depth prediction. <i>Journal of Hydrology</i> , 2021, 596, 126100.	2.3	23
4459	A Comparative Investigation of Various Pedotransfer Functions and Their Impact on Hydrological Simulations. <i>Water (Switzerland)</i> , 2021, 13, 1401.	1.2	5
4460	Duration of water flow interruption drives the structure and functional diversity of stream benthic diatoms. <i>Science of the Total Environment</i> , 2021, 770, 144675.	3.9	15
4461	Evaluation and Prediction of the Impacts of Land Cover Changes on Hydrological Processes in Data Constrained Southern Slopes of Kilimanjaro, Tanzania. <i>Earth</i> , 2021, 2, 225-247.	0.9	10
4462	Modeling Infiltration in Green Stormwater Infrastructure: Effect of Geometric Shape. <i>Journal of Sustainable Water in the Built Environment</i> , 2021, 7, .	0.9	4
4463	Impacts of climate change on aquatic insects in temperate alpine regions: Complementary modeling approaches applied to Swiss rivers. <i>Global Change Biology</i> , 2021, 27, 3565-3581.	4.2	11
4464	SHP Assessment for a Run-of-River (RoR) Scheme Using a Rectangular Mesh Sweeping Approach (MSA) Based on GIS. <i>Energies</i> , 2021, 14, 3095.	1.6	8
4465	Flood inundation simulations based on GSMaP satellite rainfall data in Jakarta, Indonesia. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	18
4466	Multiple-tracers-aided surface-subsurface hydrological modeling for detailed characterization of regional catchment water dynamics in Kumamoto area, southern Japan. <i>Hydrogeology Journal</i> , 2021, 29, 1885-1904.	0.9	7
4467	Ensemble modeling of watershed-scale hydrologic effects of short-rotation woody crop production. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1345-1359.	1.9	2
4468	Integrating depression storages and their spatial distribution in watershed-scale hydrologic modeling. <i>Advances in Water Resources</i> , 2021, 151, 103911.	1.7	6
4469	Plant residue mulch increases measured and modelled soil moisture content in the effective root zone of maize in semi-arid Kenya. <i>Soil and Tillage Research</i> , 2021, 209, 104945.	2.6	16
4470	Model-Based Assessment of Giant Reed (<i>Arundo donax</i> L.) Energy Yield in the Form of Diverse Biofuels in Marginal Areas of Italy. <i>Land</i> , 2021, 10, 548.	1.2	4
4471	Early detection of riverine flooding events using the group method of data handling for the Bow River, Alberta, Canada. <i>International Journal of River Basin Management</i> , 2022, 20, 533-544.	1.5	14

#	ARTICLE	IF	CITATIONS
4472	Assessing impacts of climate variability and changing cropping patterns on regional evapotranspiration, yield and water productivity in California's San Joaquin watershed. <i>Agricultural Water Management</i> , 2021, 250, 106852.	2.4	18
4473	Estimation of the return periods of maxima rainfall and floods at the Pra River Catchment, Ghana, West Africa using the Gumbel extreme value theory. <i>Heliyon</i> , 2021, 7, e06980.	1.4	10
4474	Evaluation of thiobencarb runoff from rice farming practices in a California watershed using an integrated RiceWQ-AnnAGNPS system. <i>Science of the Total Environment</i> , 2021, 767, 144898.	3.9	6
4475	Evaluation of gridded meteorological datasets and their potential hydrological application to a humid area with scarce data for Pirapama River basin, northeastern Brazil. <i>Theoretical and Applied Climatology</i> , 2021, 145, 393-410.	1.3	7
4477	Evaluation of Precipitation Datasets from TRMM Satellite and Down-scaled Reanalysis Products with Bias-correction in Middle Qilian Mountain, China. <i>Chinese Geographical Science</i> , 2021, 31, 474-490.	1.2	7
4478	Application of LSTMs and HAND in Rapid Flood Inundation Mapping. , 2021, , .		0
4479	Simulating changes in soil carbon stocks for Quercus forests and upland rice fields under climate change scenarios in Manipur (India). <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	5
4480	Hydrological Models and Artificial Neural Networks (ANNs) to Simulate Streamflow in a Tropical Catchment of Sri Lanka. <i>Applied Computational Intelligence and Soft Computing</i> , 2021, 2021, 1-9.	1.6	17
4481	Experimental Study of PhiX174 Resuspension from Mobile Bed Sediment. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, 04021009.	0.6	2
4482	Influência do substrato dos telhados verdes na redução do escoamento superficial quando submetido às condições climáticas da Região Metropolitana do Recife. <i>Research, Society and Development</i> , 2021, 10, e57710515401.	0.0	0
4483	Impacts of Climate Change on Irrigation Water Management in the Babai River Basin, Nepal. <i>Hydrology</i> , 2021, 8, 85.	1.3	6
4484	SMAP Soil Moisture Product Assessment over Wales, U.K., Using Observations from the WSMN Ground Monitoring Network. <i>Sustainability</i> , 2021, 13, 6019.	1.6	3
4485	Optimal Calibration of Evaporation Models against Penman's Monteith Equation. <i>Water (Switzerland)</i> , 2021, 13, 1484.	1.2	22
4486	Comparison of Forecasting Models for Real-Time Monitoring of Water Quality Parameters Based on Hybrid Deep Learning Neural Networks. <i>Water (Switzerland)</i> , 2021, 13, 1547.	1.2	24
4487	Use of Radar Quantitative Precipitation Estimates (QPEs) for Improved Hydrological Model Calibration and Flood Forecasting. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	6
4488	Small Catchment Runoff Sensitivity to Station Density and Spatial Interpolation: Hydrological Modeling of Heavy Rainfall Using a Dense Rain Gauge Network. <i>Water (Switzerland)</i> , 2021, 13, 1381.	1.2	10
4489	Implications of a Priori Parameters on Calibration in Conditions of Varying Terrain Characteristics: Case Study of the SAC-SMA Model in Eastern United States. <i>Hydrology</i> , 2021, 8, 78.	1.3	3
4490	Model prediction capacity of ephemeral gully evolution in conservation tillage systems. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1909-1925.	1.2	7

#	ARTICLE	IF	CITATIONS
4492	Cooling hot cities: a systematic and critical review of the numerical modelling literature. <i>Environmental Research Letters</i> , 2021, 16, 053007.	2.2	85
4493	Assessing the impact of climate change on urban water demand and related uncertainties: a case study of Neyshabur, Iran. <i>Theoretical and Applied Climatology</i> , 2021, 145, 473-487.	1.3	10
4494	Compressive strength prediction of fly ash concrete by using machine learning techniques. <i>Innovative Infrastructure Solutions</i> , 2021, 6, 1.	1.1	15
4495	Validación experimental de un modelo de Inteligencia Artificial para la capacidad de absorción de energía del UHPFRC. <i>DYNA (Colombia)</i> , 2021, 88, 150-159.	0.2	13
4496	Floating photovoltaics could mitigate climate change impacts on water body temperature and stratification. <i>Solar Energy</i> , 2021, 219, 24-33.	2.9	38
4497	Developing a deep learning model for the simulation of micro-pollutants in a watershed. <i>Journal of Cleaner Production</i> , 2021, 300, 126858.	4.6	16
4498	A multi-factor integrated method of calculation unit delineation for hydrological modeling in large mountainous basins. <i>Journal of Hydrology</i> , 2021, 597, 126180.	2.3	4
4499	Modeling cover crop biomass production and related emissions to improve farm-scale decision-support tools. <i>Agricultural Systems</i> , 2021, 191, 103151.	3.2	10
4500	Development of Wind Power Prediction Models for Pawan Danavi Wind Farm in Sri Lanka. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	0.6	7
4501	Evaluation of CMIP6 Global Climate Models for Simulating Land Surface Energy and Water Fluxes During 1979–2014. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002515.	1.3	33
4502	Quantitative impacts of climate change and human activities on the runoff evolution process in the Yanhe River Basin. <i>Physics and Chemistry of the Earth</i> , 2021, 122, 102998.	1.2	24
4503	Exploring the Use of Vegetation Indices for Validating Crop Transpiration Fluxes Computed with the MOHID-Land Model. Application to Vineyard. <i>Agronomy</i> , 2021, 11, 1228.	1.3	2
4504	Cumulative infiltration and infiltration rate prediction using optimized deep learning algorithms: A study in Western Iran. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100825.	1.0	24
4505	Curve number calibration for measuring impacts of land management in sub-humid Ethiopia. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100819.	1.0	4
4506	Dissolved oxygen concentration predictions for running waters with different land use land cover using a quantile regression forest machine learning technique. <i>Journal of Hydrology</i> , 2021, 597, 126213.	2.3	37
4507	Chesapeake legacies: the importance of legacy nitrogen to improving Chesapeake Bay water quality. <i>Environmental Research Letters</i> , 2021, 16, 085002.	2.2	38
4508	Water and sediment yield response to extreme rainfall events in a complex large river basin: A case study of the Yellow River Basin, China. <i>Journal of Hydrology</i> , 2021, 597, 126183.	2.3	42
4509	A hydrogeological approach to simulate streamflow and soil water contents with SWAT+. <i>Hydrological Processes</i> , 2021, 35, e14242.	1.1	12

#	ARTICLE	IF	CITATIONS
4510	Short-range Streamflow Forecasting of the Kama River Based on the HBV Model Application. Russian Meteorology and Hydrology, 2021, 46, 388-395.	0.2	8
4511	How water flow components affect sediment dynamics modeling in a Brazilian catchment. Journal of Hydrology, 2021, 597, 126111.	2.3	4
4512	SWAT Model Adaptability to a Small Mountainous Forested Watershed in Central Romania. Forests, 2021, 12, 860.	0.9	11
4513	Connectivity and flow regime direct conservation priorities for pelagophil fishes. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 3215-3227.	0.9	11
4514	Groundwater Single- and Multiobjective Optimization Using Harris Hawks and Multiobjective Billiards-Inspired Algorithm. Shock and Vibration, 2021, 2021, 1-16.	0.3	2
4515	Evaluation of six precipitation products in the Mekong River Basin. Atmospheric Research, 2021, 255, 105539.	1.8	23
4516	Spatially distributed soil losses and sediment yield: A case study of Langat watershed, Selangor, Malaysia. Journal of Asian Earth Sciences, 2021, 212, 104742.	1.0	6
4517	One-dimensional sediment transport modelling with Engelundâ€“Hansen and Ackersâ€“White transport equations for the Lower Danube River. Acta Hydrotechnica, 2021, , 103-117.	0.4	0
4518	Impact of climate change on hydro-meteorological drought over the Be River Basin, Viet Nam. Journal of Water and Climate Change, 0, , .	1.2	3
4519	Application of Machine Learning Models to Predict Maximum Event Water Fractions in Streamflow. Frontiers in Water, 2021, 3, .	1.0	12
4520	Hydrologic models coupled with 2D hydrodynamic model for high-resolution urban flood simulation. Natural Hazards, 2021, 108, 3121-3157.	1.6	12
4521	Evaluating the Effectiveness of Best Management Practices On Soil Erosion Reduction Using the SWAT Model: for the Case of Gumara Watershed, Abbay (Upper Blue Nile) Basin. Environmental Management, 2021, 68, 240-261.	1.2	25
4522	Annual nitrate load patterns in an agricultural watershed in consecutive dry years. Hydrology Research, 2021, 52, 847-863.	1.1	0
4523	The Limits of Homogenization: What Hydrological Dynamics can a Simple Model Represent at the Catchment Scale?. Water Resources Research, 2021, 57, e2020WR029528.	1.7	13
4524	Machine Learning-Based Small Hydropower Potential Prediction under Climate Change. Energies, 2021, 14, 3643.	1.6	19
4525	Performing Hydrological Monitoring at a National Scale by Exploiting Rain-Gauge and Radar Networks: The Italian Case. Atmosphere, 2021, 12, 771.	1.0	20
4526	Verifying the applicability of SWAT to simulate fecal contamination for watershed management of Selangor River, Malaysia. Science of the Total Environment, 2021, 774, 145075.	3.9	11
4527	Improved calibration of the Greenâ€“Ampt infiltration module in the EROSION-2D/3D model using a rainfall-runoff experiment database. Soil, 2021, 7, 241-253.	2.2	1

#	ARTICLE	IF	CITATIONS
4528	Neural network-based optimization of fibres for seismic retrofitting applications of UHPFRC. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 6305-6333.	1.0	15
4529	Data- and model-driven determination of flow pathways in the Piako catchment, New Zealand. <i>Journal of Hydro-Environment Research</i> , 2021, 37, 82-82.	1.0	2
4530	Assessment of Streamflow from EURO-CORDEX Regional Climate Simulations in Semi-Arid Catchments Using the SWAT Model. <i>Sustainability</i> , 2021, 13, 7120.	1.6	10
4531	Impact of climate change in the flow regimes of the Upper and Middle Amazon River. <i>Climatic Change</i> , 2021, 166, 1.	1.7	2
4532	Impacts of Watershed Physical Properties and Land Use on Baseflow at Regional Scales. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100810.	1.0	8
4533	Calibration of SWAT and three data-driven models for monthly stream flow simulation in Maharlu Lake Basin. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 4219-4238.	1.0	4
4534	Climate change impacts on rice yield of a large-scale irrigation scheme in Malaysia. <i>Agricultural Water Management</i> , 2021, 252, 106908.	2.4	6
4535	Hydrological regime, water availability and land use/land cover change impact on the water balance in a large agriculture basin in the Southern Brazilian Amazon. <i>Journal of South American Earth Sciences</i> , 2021, 108, 103224.	0.6	24
4536	Potential influence of climate and land-use changes on green water security in a semi-arid catchment. <i>Journal of Water and Climate Change</i> , 2022, 13, 287-303.	1.2	8
4537	Climatic signatures in regulated flow regimes across the Central and Eastern United States. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100809.	1.0	3
4538	Robust climate change adaptation pathways in agricultural water management. <i>Agricultural Water Management</i> , 2021, 252, 106904.	2.4	18
4539	Evaluation of the WEAP model in simulating subbasin hydrology in the Central Rift Valley basin, Ethiopia. <i>Ecological Processes</i> , 2021, 10, .	1.6	15
4540	Forecasting rainfall using transfer entropy coupled directedâ€‘weighted complex networks. <i>Atmospheric Research</i> , 2021, 255, 105531.	1.8	13
4541	Application of the SWAT hydrological model in flow and solid discharge simulation as a management tool of the Indaia River Basin, Alto SĂo Francisco, Minas Gerais. <i>Revista Ambiente & Ăgua</i> , 2021, 16, 1.	0.1	3
4542	Spatial Assessment of Overland Flow, Pollutant Concentration, and First Flush Using a 2D Non-Point Source Pollution and Hydrological Model for Urban Catchments. , 2021, , .		0
4543	Data Construction and Spatiotemporal Trend Attribution of Runoff over the African Continent (1981â€‘2016). <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	1
4544	Spatial Analysis of a Chesapeake Bay Sub-Watershed: How Land Use and Precipitation Patterns Impact Water Quality in the James River. <i>Water (Switzerland)</i> , 2021, 13, 1592.	1.2	9
4545	Evaluation of Climate Change-Induced Impact on Streamflow and Sediment Yield of Genale Watershed, Ethiopia. , 0, , .		2

#	ARTICLE	IF	CITATIONS
4546	Application of the linearized ADM1 (LADM) to lab-scale anaerobic digestion system. Journal of Environmental Chemical Engineering, 2021, 9, 105193.	3.3	14
4547	Simulating alfalfa and pasture yields at regional and national scales in Canada from 1981 to 2019. Agricultural Systems, 2021, 191, 103166.	3.2	4
4548	Watershed-scale water environmental capacity estimation assisted by machine learning. Journal of Hydrology, 2021, 597, 126310.	2.3	8
4549	Time-lapse approach to correct deficiencies of 2D soil zymography. Soil Biology and Biochemistry, 2021, 157, 108225.	4.2	21
4550	Effects of a check dam system on the runoff generation and concentration processes of a catchment on the Loess Plateau. International Soil and Water Conservation Research, 2022, 10, 86-98.	3.0	23
4552	Optimal control of nonpoint source pollution in the Bahe River Basin, Northwest China, based on the SWAT model. Environmental Science and Pollution Research, 2021, 28, 55330-55343.	2.7	12
4553	Contribution analysis on spatial tradeoff/synergy of Karst soil conservation and water retention for various geomorphological types: Geographical detector application. Ecological Indicators, 2021, 125, 107470.	2.6	41
4554	Uncertainty analysis for integrated water system simulations using GLUE with different acceptability thresholds. Science China Technological Sciences, 2021, 64, 1791-1804.	2.0	4
4555	Validating CHIRPS ability to estimate rainfall amount and detect rainfall occurrences in the Philippines. Theoretical and Applied Climatology, 2021, 145, 967-977.	1.3	9
4556	Fully integrated numerical simulation of surface water-groundwater interactions using SWAT-MODFLOW with an improved calibration tool. Journal of Hydrology: Regional Studies, 2021, 35, 100822.	1.0	17
4557	Impacts of climate and environmental changes on water resources: A multi-scale study based on NakanbÃ© nested watersheds in West African Sahel. Journal of Hydrology: Regional Studies, 2021, 35, 100828.	1.0	25
4558	Impacts of swat weather generator statistics from high-resolution datasets on monthly streamflow simulation over Peninsular Spain. Journal of Hydrology: Regional Studies, 2021, 35, 100826.	1.0	10
4559	Assessment of climate change impacts on hydrology and water quality of large semi-arid reservoirs in Brazil. Hydrological Sciences Journal, 2021, 66, 1321-1336.	1.2	29
4560	The effects of tillage induced surface roughness, slope and discharge rate on soil detachment by concentrated flow: An experimental study. Hydrological Processes, 2021, 35, e14261.	1.1	9
4561	Insights from an Evaluation of Nitrate Load Estimation Methods in the Midwestern United States. Sustainability, 2021, 13, 7508.	1.6	0
4562	Novel insights for streamflow forecasting based on deep learning models combined the evolutionary optimization algorithm. Physical Geography, 2023, 44, 31-54.	0.6	5
4563	EstimaciÃ³n de la evapotranspiraciÃ³n del cultivo de arroz en PerÃº mediante el algoritmo METRIC e imÃ¡genes VANT. Revista De Teledeteccion, 2021, , 23.	0.6	0
4565	Application of SWAT Using Snow Data and Detecting Climate Change Impacts in the Mountainous Eastern Regions of Turkey. Water (Switzerland), 2021, 13, 1982.	1.2	13

#	ARTICLE	IF	CITATIONS
4566	Modelling Shallow Groundwater Evaporation Rates from a Large Tank Experiment. <i>Water Resources Management</i> , 2021, 35, 3339-3354.	1.9	1
4567	Groundwater Hydrograph Decomposition With the HydroSight Model. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	5
4568	Methane emission quantification from municipal waste landfills: models and computer software—a case study of Long An Province, Vietnam. <i>Environmental Science and Pollution Research</i> , 2022, 29, 41886-41908.	2.7	3
4569	Non-linear regression of air-water temperature for modelling surface heat fluxes in waterbodies: A case study of Laurance Lake, US. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	1
4570	Water Supply Planning Considering Uncertainties in Future Water Demand and Climate: A Case Study in an Illinois Watershed. <i>Journal of the American Water Resources Association</i> , 2023, 59, 449-465.	1.0	2
4571	An improved process-oriented hydro-biogeochemical model for simulating dynamic fluxes of methane and nitrous oxide in alpine ecosystems with seasonally frozen soils. <i>Biogeosciences</i> , 2021, 18, 4211-4225.	1.3	0
4572	Ecological Status as the Basis for the Holistic Environmental Flow Assessment of a Tropical Highland River in Ethiopia. <i>Water (Switzerland)</i> , 2021, 13, 1913.	1.2	4
4573	Trends of evaporation in Brazilian tropical reservoirs using remote sensing. <i>Journal of Hydrology</i> , 2021, 598, 126473.	2.3	11
4574	Applying a precipitation error model to numerical weather predictions for probabilistic flood forecasts. <i>Journal of Hydrology</i> , 2021, 598, 126374.	2.3	10
4575	Comparison of seven simple loss models for runoff prediction at the plot, hillslope and catchment scale in the semiarid southwestern U.S.. <i>Journal of Hydrology</i> , 2021, 598, 126490.	2.3	9
4576	Integrated approach to simulate hydrological responses to land use dynamics and climate change scenarios employing scoring method in upper Narmada basin, India. <i>Journal of Hydrology</i> , 2021, 598, 126429.	2.3	17
4577	Seasonal variations in threshold wind speed for saltation depending on soil temperature and vegetation: A case study in the Gobi Desert. <i>Aeolian Research</i> , 2021, 52, 100716.	1.1	5
4578	Artificial Neural Network Model for Strength Prediction of Ultra-High-Performance Concrete. <i>ACI Materials Journal</i> , 2021, 118, .	0.3	7
4579	Quantifying the effects of watershed subdivision scale and spatial density of weather inputs on hydrological simulations in a Norwegian Arctic watershed. <i>Journal of Water and Climate Change</i> , 2021, 12, 3518-3543.	1.2	1
4580	Predictive Modeling Approach for Surface Water Quality: Development and Comparison of Machine Learning Models. <i>Sustainability</i> , 2021, 13, 7515.	1.6	21
4581	Development of a local scour prediction model clustered by soil class. <i>Water Practice and Technology</i> , 2021, 16, 1159-1172.	1.0	8
4582	INSIDE-T: A Groundwater Contamination Transport Model for Sustainability Assessment in Remediation Practice. <i>Sustainability</i> , 2021, 13, 7596.	1.6	9
4583	Identification of Suitable Hydrological Models for Streamflow Assessment in the Kangsabati River Basin, India, by Using Different Model Selection Scores. <i>Natural Resources Research</i> , 2021, 30, 4187-4205.	2.2	41

#	ARTICLE	IF	CITATIONS
4584	Land Use/Land Cover Change Impact on Hydrological Process in the Upper Baro Basin, Ethiopia. Applied and Environmental Soil Science, 2021, 2021, 1-15.	0.8	16
4585	Development of Strategy for SWAT Hydrologic Modeling in Data-Scarce Regions of Peru. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	0.8	17
4586	Prediction of seasonal maximum wave height for unevenly spaced time series by Black Widow Optimization algorithm. Marine Structures, 2021, 78, 103005.	1.6	20
4587	Global riverine nitrous oxide emissions: The role of small streams and large rivers. Science of the Total Environment, 2021, 776, 145148.	3.9	45
4588	Pollutants removal efficiency assessment of constructed subsurface flow wetlands in lakes with numerical models. Journal of Hydrology, 2021, 598, 126289.	2.3	8
4589	Evaluation of Eight Global Precipitation Datasets in Hydrological Modeling. Remote Sensing, 2021, 13, 2831.	1.8	12
4590	Estimating Soil Loss for Sustainable Crop Production in the Semi-deciduous Forest Zone of Ghana. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	5
4591	Simulating Future Groundwater Recharge in Coastal and Inland Catchments. Water Resources Management, 2021, 35, 3617-3632.	1.9	37
4592	Toward Developing a Generalizable Pedotransfer Function for Saturated Hydraulic Conductivity Using Transfer Learning and Predictor Selector Algorithm. Water Resources Research, 2021, 57, e2020WR028862.	1.7	11
4593	Multi-State Load Demand Forecasting Using Hybridized Support Vector Regression Integrated with Optimal Design of Off-Grid Energy Systemsâ€”A Metaheuristic Approach. Processes, 2021, 9, 1166.	1.3	20
4594	Can artificial intelligence and data-driven machine learning models match or even replace process-driven hydrologic models for streamflow simulation?: A case study of four watersheds with different hydro-climatic regions across the CONUS. Journal of Hydrology, 2021, 598, 126423.	2.3	65
4595	Modelling the impacts of climate and land use changes on water quality in the Guadiana basin and the adjacent coastal area. Science of the Total Environment, 2021, 776, 146034.	3.9	9
4596	A comparison of frameworks for separating the impacts of human activities and climate change on river flow in existing records and different <sc>nearâ€“future</sc> scenarios. Hydrological Processes, 2021, 35, e14301.	1.1	8
4598	Application of Integrated Watershed Management Measures to Minimize the Land Use Change Impacts. Water (Switzerland), 2021, 13, 2039.	1.2	13
4599	Identifying critical source areas of nonpoint source pollution in a watershed with SWATâ€“ECM and AHP methods. Hydrology Research, 2021, 52, 1184-1199.	1.1	7
4600	Evaporation of maize crop under mulch film and soil covered drip irrigation: field assessment and modelling on West Liaohe Plain, China. Agricultural Water Management, 2021, 253, 106894.	2.4	11
4601	Modelling climate change impact on the streamflow in the Upper Wabe Bridge watershed in Wabe Shebele River Basin, Ethiopia. International Journal of River Basin Management, 2023, 21, 181-193.	1.5	19
4602	Quantifying the impacts of land-cover changes on global evapotranspiration based on the continuous remote sensing observations during 1982â€“2016. Journal of Hydrology, 2021, 598, 126231.	2.3	29

#	ARTICLE	IF	CITATIONS
4603	GLUE uncertainty analysis of hybrid models for predicting hourly soil temperature and application wavelet coherence analysis for correlation with meteorological variables. <i>Soft Computing</i> , 2021, 25, 10723-10748.	2.1	22
4604	Assessment of Water Availability with SWAT Model: A Study on Ganga River. <i>Journal of the Geological Society of India</i> , 2021, 97, 781-788.	0.5	2
4605	Climate and land cover change impacts on stormwater runoff in large-scale coastal-urban environments. <i>Science of the Total Environment</i> , 2021, 778, 146017.	3.9	22
4606	Application of Different Structures of HBV Model to Studying Runoff Formation Processes: Case Study of Experimental Catchments. <i>Water Resources</i> , 2021, 48, 512-520.	0.3	4
4607	An Integrated Approach for Evaluation of Linear Cohesive Zone Model's Performance in Fracturing of Rocks. <i>Rock Mechanics and Rock Engineering</i> , 0, , 1.	2.6	3
4608	Assessment of climate change and its impact on hydrological regimes and biomass yield of a tropical river basin. <i>Ecological Indicators</i> , 2021, 126, 107646.	2.6	22
4609	Effects of climate change and land-use changes on spatiotemporal distributions of blue water and green water in Ningxia, Northwest China. <i>Journal of Arid Land</i> , 2021, 13, 674-687.	0.9	14
4610	Estimating the transient storage parameters for pollution modeling in small streams: a comparison of newly developed hybrid optimization algorithms. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 475.	1.3	10
4611	Evaluating the impact of interbasin water transfer on water quality in the recipient river basin with SWAT. <i>Science of the Total Environment</i> , 2021, 776, 145984.	3.9	25
4612	Embedding machine learning techniques into a conceptual model to improve monthly runoff simulation: A nested hybrid rainfall-runoff modeling. <i>Journal of Hydrology</i> , 2021, 598, 126433.	2.3	40
4613	Exploring the operational impacts of climate change and glacier loss in the upper Columbia River Basin, Canada. <i>Hydrological Processes</i> , 2021, 35, e14253.	1.1	2
4614	Assessing Long-Term Changes in Regional Groundwater Recharge Using a Water Balance Model for New Mexico. <i>Journal of the American Water Resources Association</i> , 2021, 57, 807-827.	1.0	3
4615	Mitigating Prediction Error of Deep Learning Streamflow Models in Large Data-Sparse Regions With Ensemble Modeling and Soft Data. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092999.	1.5	32
4616	Re-conceptualizing the Soil and Water Assessment Tool to Predict Subsurface Water Flow Through Macroporous Soils. <i>Frontiers in Water</i> , 2021, 3, .	1.0	4
4617	Development of prediction model for phosphate in reservoir water system based machine learning algorithms. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101523.	3.5	20
4618	Influence of multisite calibration on streamflow estimation based on the hydrological model with CMADS inputs. <i>Journal of Water and Climate Change</i> , 2021, 12, 3264-3281.	1.2	4
4619	Flood Impacts on Critical Infrastructure in a Coastal Floodplain in Western Puerto Rico during Hurricane María. <i>Hydrology</i> , 2021, 8, 104.	1.3	13
4620	Applying Remotely Sensed Environmental Information to Model Mosquito Populations. <i>Sustainability</i> , 2021, 13, 7655.	1.6	3

#	ARTICLE	IF	CITATIONS
4621	Systematic Water Fraction Estimation for a Global and Daily Surface Water Time-Series. Remote Sensing, 2021, 13, 2675.	1.8	2
4622	Coarse Woody Debris Decomposition Assessment Tool: Model validation and application. PLoS ONE, 2021, 16, e0254408.	1.1	2
4623	Improving daily stochastic streamflow prediction: comparison of novel hybrid data-mining algorithms. Hydrological Sciences Journal, 2021, 66, 1457-1474.	1.2	29
4624	Water balance computation and water quality improvement evaluation for Yanghe Basin in a semiarid area of North China using coupled MIKE SHE/MIKE 11 modeling. Water Science and Technology: Water Supply, 2022, 22, 1062-1074.	1.0	7
4625	Impacts of phosphorus loading temporal pattern on benthic algae growth in Lake Ontario. Journal of Hydrology, 2021, 598, 126449.	2.3	2
4626	Response of Crop Water Requirement and Yield of Irrigated Rice to Elevated Temperature in Bangladesh. International Journal of Agronomy, 2021, 2021, 1-11.	0.5	8
4627	Streamflow Prediction Upstream of a Dam Using SWAT and Assessment of the Impact of Land Use Spatial Resolution on Model Performance. Environmental Processes, 2021, 8, 1165-1186.	1.7	22
4628	Modelling forest fire and firebreak scenarios in a mediterranean mountainous catchment: Impacts on sediment loads. Journal of Environmental Management, 2021, 289, 112497.	3.8	16
4629	Impact of post-reclamation of soil by large-scale, small-scale and illegal mining on water balance components and sediment yield: Pra River Basin case study. Soil and Tillage Research, 2021, 211, 105026.	2.6	4
4630	Improving the performance of rainfall-runoff models using the gene expression programming approach. Journal of Water and Climate Change, 2021, 12, 3308-3329.	1.2	19
4631	Early transplanting of rainfed rice minimizes irrigation demand by utilizing rainfall. Environmental Systems Research, 2021, 10, .	1.5	5
4632	Hindcast of pluvial, fluvial, and coastal flood damage in Houston, Texas during Hurricane Harvey (2017) using SFINCS. Natural Hazards, 2021, 109, 2343-2362.	1.6	19
4633	Impact of land use and land cover change on the magnitude of surface runoff in the endorheic Hayk Lake basin, Ethiopia. SN Applied Sciences, 2021, 3, 1.	1.5	2
4634	Effects of Water-Saving Irrigation on Hydrological Cycle in an Irrigation District of Northern China. Sustainability, 2021, 13, 8488.	1.6	2
4635	Ensemble smoother with multiple data assimilation to simultaneously estimate the source location and the release history of a contaminant spill in an aquifer. Journal of Hydrology, 2021, 598, 126215.	2.3	23
4636	Development of Prediction Models for Shear Strength of Rockfill Material Using Machine Learning Techniques. Applied Sciences (Switzerland), 2021, 11, 6167.	1.3	27
4637	The influence of slopes on interrill erosion processes using loessial soil. Journal of Soils and Sediments, 2021, 21, 3672-3681.	1.5	5
4638	Evaluation of state-of-the-art GCMs in simulating Indian summer monsoon rainfall. Meteorology and Atmospheric Physics, 2021, 133, 1429-1445.	0.9	6

#	ARTICLE	IF	CITATIONS
4639	Reliability analysis of soil slope stability using MARS, GPR and FN soft computing techniques. Modeling Earth Systems and Environment, 2022, 8, 2347-2357.	1.9	10
4640	Improving integrated surface water–groundwater modelling with groundwater extraction for water management. Hydrological Sciences Journal, 2021, 66, 1513-1530.	1.2	3
4641	Pronounced Increases in Future Soil Erosion and Sediment Deposition as Influenced by Freeze–Thaw Cycles in the Upper Mississippi River Basin. Environmental Science & Technology, 2021, 55, 9905-9915.	4.6	33
4642	Application of the Regression-Augmented Regionalization Approach for BTOP Model in Ungauged Basins. Water (Switzerland), 2021, 13, 2294.	1.2	13
4643	Future hydrology and hydrological extremes under climate change in Asian river basins. Scientific Reports, 2021, 11, 17089.	1.6	15
4644	Prediction of Surface Water Quality by Artificial Neural Network Model Using Probabilistic Weather Forecasting. Water (Switzerland), 2021, 13, 2392.	1.2	4
4645	Investigating spatial relationships of soil friability and driving factors through co-regionalization with state-space analysis in a subtropical watershed. Soil and Tillage Research, 2021, 212, 105028.	2.6	1
4646	Comparison of Missing Data Infilling Mechanisms for Recovering a Real-World Single Station Streamflow Observation. International Journal of Environmental Research and Public Health, 2021, 18, 8375.	1.2	13
4647	Application of dynamic and conceptual models for simulating flow hydrographs in an urbanized catchment under conditions of controlled outflow from stormwater tanks. Journal of Water and Climate Change, 0, , .	1.2	2
4648	Performance assessment and uncertainty prediction of a daily time-step HBV-Light rainfall-runoff model for the Upper Benue River Basin, Northern Cameroon. Journal of Hydrology: Regional Studies, 2021, 36, 100849.	1.0	17
4649	Prediction of groundwater quality using efficient machine learning technique. Chemosphere, 2021, 276, 130265.	4.2	135
4650	Multi-Step Calibration Approach for SWAT Model Using Soil Moisture and Crop Yields in a Small Agricultural Catchment. Water (Switzerland), 2021, 13, 2238.	1.2	20
4651	Integrating IHACRES with a data-driven model to investigate the possibility of improving monthly flow estimates. Water Science and Technology: Water Supply, 2022, 22, 360-371.	1.0	7
4652	Augmenting freshwater availability in mountain headwater streams: Assessing the sustainability under baseline and future climate change scenarios. International Soil and Water Conservation Research, 2021, , .	3.0	5
4653	Analysis of Characteristics of Dry–Wet Events Abrupt Alternation in Northern Shaanxi, China. Water (Switzerland), 2021, 13, 2384.	1.2	6
4654	Polynomial neural network-based group method of data handling algorithm coupled with modified particle swarm optimization to predict permeate flux (%) of rectangular sheet-shaped membrane. Chemical Papers, 0, , 1.	1.0	3
4655	A physically constrained wavelet-aided statistical model for multi-decadal groundwater dynamics predictions. Hydrological Processes, 2021, 35, e14308.	1.1	5
4656	Projected soil organic carbon loss in response to climate warming and soil water content in a loess watershed. Carbon Balance and Management, 2021, 16, 24.	1.4	34

#	ARTICLE	IF	CITATIONS
4657	Assessing the impact of tunnelling on karst groundwater balance by using lumped parameter models. <i>Journal of Hydrology</i> , 2021, 599, 126375.	2.3	10
4658	Estimation of Flood Discharge in Complex Basins and Assessment of Downstream Conveyance in Development Areas. <i>Korean Society of Hazard Mitigation</i> , 2021, 21, 187-195.	0.1	0
4659	Applicability of Heat Index for Effective Heatwave Response. <i>Korean Society of Hazard Mitigation</i> , 2021, 21, 23-30.	0.1	1
4660	Climate Change Impact on the Hydrologic Regimes and Sediment Yield of Pulangi River Basin (PRB) for Watershed Sustainability. <i>Sustainability</i> , 2021, 13, 9041.	1.6	2
4661	Issues and Challenges in the Application of the IEUBK Model in the Health Risk Assessment of Lead: A Case Study from Blantyre Malawi. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8207.	1.2	0
4663	Different climate factors contributing for runoff increases in the high glacierized tributaries of Tarim River Basin, China. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100845.	1.0	15
4664	An insight into machine learning models era in simulating soil, water bodies and adsorption heavy metals: Review, challenges and solutions. <i>Chemosphere</i> , 2021, 277, 130126.	4.2	175
4665	EVALUATION OF MAIZE WATER PRODUCTIVITY BY FAO-AQUACROP MODEL USING INTEGRATION OF MULCHING, NITROGEN FERTILIZATION AND IRRIGATION IN SALINE AND NON-SALINE SOILS. <i>Menoufia Journal of Soil Science</i> , 2021, 6, 197-211.	0.1	1
4666	Appraising the Potential of Using Satellite-Based Rainfall Estimates for Evaluating Extreme Precipitation: A Case Study of August 2014 Event Across the West Rapti River Basin, Nepal. <i>Earth and Space Science</i> , 2021, 8, e2020EA001518.	1.1	5
4667	A robust integrated Bayesian multi-model uncertainty estimation framework (IBMUEF) for quantifying the uncertainty of hybrid meta-heuristic in global horizontal irradiation predictions. <i>Energy Conversion and Management</i> , 2021, 241, 114292.	4.4	18
4668	Comparison between dynamic and static sensitivity analysis approaches for impact assessment of different potential evapotranspiration methods on hydrological models performance. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	3
4669	From local measures to regional impacts: Modelling changes in nutrient loads to the Baltic Sea. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100867.	1.0	1
4670	Design and Simulation of Stormwater Control Measures Using Automated Modeling. <i>Water (Switzerland)</i> , 2021, 13, 2268.	1.2	2
4671	Development of flood damage functions for agricultural crops and their applicability in regions of Asia. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100872.	1.0	10
4672	Modeling the impacts of future LULC and climate change on runoff and sediment yield in a strategic basin in the Caatinga/Atlantic forest ecotone of Brazil. <i>Catena</i> , 2021, 203, 105308.	2.2	36
4673	Assessing the impacts of agricultural conservation practices on freshwater biodiversity under changing climate. <i>Ecological Modelling</i> , 2021, 453, 109604.	1.2	9
4674	Assessing the potential and hydrological usefulness of the CHIRPS precipitation dataset over a complex topography in Pakistan. <i>Hydrological Sciences Journal</i> , 2021, 66, 1664-1684.	1.2	12
4675	Simulation of ecohydrological processes influencing water supplies in the Tuul River watershed of Mongolia. <i>Journal of Hydroinformatics</i> , 2021, 23, 1130-1145.	1.1	3

#	ARTICLE	IF	CITATIONS
4676	Alteration of the Fogera Plain flood regime due to Ribb Dam construction, Upper Blue Nile Basin, Ethiopia. <i>Journal of Applied Water Engineering and Research</i> , 0, , 1-22.	1.0	2
4677	Improving and calibrating channel erosion simulation in the Water Erosion Prediction Project (WEPP) model. <i>Journal of Environmental Management</i> , 2021, 291, 112616.	3.8	11
4678	Future Climate Change Impacts on River Discharge Seasonality for Selected West African River Basins. , 0, , .		0
4679	Evaluation of Debris Flows for Flood Plain Estimation in a Small Ungauged Tropical Watershed for Hurricane Otto. <i>Hydrology</i> , 2021, 8, 122.	1.3	3
4680	Modeling long term response of environmental flow attributes to future climate change in a North African watershed (Bouregreg watershed, Morocco). <i>Ecohydrology and Hydrobiology</i> , 2022, 22, 155-167.	1.0	10
4681	Model comparison and quantification of nitrous oxide emission and mitigation potential from maize and wheat fields at a global scale. <i>Science of the Total Environment</i> , 2021, 782, 146696.	3.9	14
4682	Interdecadal variability of streamflow in the Hudson Bay Lowlands watersheds driven by atmospheric circulation. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100868.	1.0	1
4683	Estimation of freshwater discharge from the Kamchatka Peninsula to its surrounding oceans. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100836.	1.0	1
4684	Revisiting linear regression to test agreement in continuous predicted-observed datasets. <i>Agricultural Systems</i> , 2021, 192, 103194.	3.2	16
4685	Assessment of four latest long-term satellite-based precipitation products in capturing the extreme precipitation and streamflow across a humid region of southern China. <i>Atmospheric Research</i> , 2021, 257, 105554.	1.8	42
4686	Performance Evaluation of Single and Multi-Objective Calibration in Rainfall-Runoff Modelling. <i>Engineer: Journal of the Institution of Engineers, Sri Lanka</i> , 2021, 54, 77.	0.1	1
4687	Assessment of Future Climate Change Impact on an Agricultural Reservoir in South Korea. <i>Water (Switzerland)</i> , 2021, 13, 2125.	1.2	6
4688	Plasma proteins $\delta^{15}\text{N}$ vs plasma urea as candidate biomarkers of between-animal variations of feed efficiency in beef cattle: Phenotypic and genetic evaluation. <i>Animal</i> , 2021, 15, 100318.	1.3	9
4689	Impacts of climate and land use change on hydrodynamics and sediment transport regime of the Ganga River Basin. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	1
4690	A new insight to the wind speed forecasting: robust multi-stage ensemble soft computing approach based on pre-processing uncertainty assessment. <i>Neural Computing and Applications</i> , 2022, 34, 783-812.	3.2	48
4691	Modeling Biological Oxygen Demand Load Capacity in a Data-Scarce Basin with Important Anthropogenic Interventions. <i>Water (Switzerland)</i> , 2021, 13, 2379.	1.2	1
4692	A New Hydrologic Sensitivity Framework for Unsteady-State Responses to Climate Change and Its Application to Catchments With Croplands in Illinois. <i>Water Resources Research</i> , 2021, 57, e2020WR027762.	1.7	7
4693	New pedotransfer approaches to predict soil bulk density using WoSIS soil data and environmental covariates in Mediterranean agro-ecosystems. <i>Science of the Total Environment</i> , 2021, 780, 146609.	3.9	29

#	ARTICLE	IF	CITATIONS
4694	Evaluation of different precipitation inputs on streamflow simulation in Himalayan River basin. <i>Journal of Hydrology</i> , 2021, 599, 126390.	2.3	28
4695	Impact of Climate Change on the Streamflow Modulated by Changes in Precipitation and Temperature in the North Latitude Watershed of Nepal. <i>Hydrology</i> , 2021, 8, 117.	1.3	14
4696	Integrated flood risk assessment of the Arial Khan River under changing climate using IPCC AR5 risk framework. <i>Journal of Water and Climate Change</i> , 2021, 12, 3421-3447.	1.2	9
4697	Evaluating the Potential of GloFAS-ERA5 River Discharge Reanalysis Data for Calibrating the SWAT Model in the Grande San Miguel River Basin (El Salvador). <i>Remote Sensing</i> , 2021, 13, 3299.	1.8	17
4698	Component Combination Test to Investigate Improvement of the IHACRES and GR4J Rainfallâ€“Runoff Models. <i>Water (Switzerland)</i> , 2021, 13, 2126.	1.2	2
4699	Estimation of the Niger River cross-section and discharge from remotely-sensed products. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100862.	1.0	9
4700	Quantifying hydrologic pathway and source connectivity dynamics in tile drainage: Implications for phosphorus concentrations. <i>Vadose Zone Journal</i> , 2021, 20, e20154.	1.3	8
4701	Effects of length and application rate of rice straw mulch on surface runoff and soil loss under laboratory simulated rainfall. <i>International Journal of Sediment Research</i> , 2021, 36, 468-478.	1.8	50
4702	National estimates of environmental thresholds for upland soil phosphorus in China based on a meta-analysis. <i>Science of the Total Environment</i> , 2021, 780, 146677.	3.9	16
4703	Irrigation Supply and Demand, Land Use/Cover Change and Future Projections of Climate, in Indus Basin Irrigation System, Pakistan. <i>Sustainability</i> , 2021, 13, 8695.	1.6	3
4704	A new innovative method for model efficiency performance. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 589-601.	1.0	7
4705	Unpaved road conservation planning at the catchment scale. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 595.	1.3	2
4706	Hydrological Responses to Land Use Land Cover Changes in the Finchaâ€™a Watershed, Ethiopia. <i>Land</i> , 2021, 10, 916.	1.2	17
4707	Constraints of small-scale irrigated fodder production and nutrition assessment for livestock feed, a case study in Ethiopia. <i>Agricultural Water Management</i> , 2021, 254, 106973.	2.4	3
4708	Experimental Coupling of TOPMODEL with the National Water Model: Effects of Coupling Interface Complexity on Model Performance. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	1
4709	Modeling the Impacts of Climate Change on Yields of Various Korean Soybean Sprout Cultivars. <i>Agronomy</i> , 2021, 11, 1590.	1.3	5
4710	Forecasting Daily and Monthly Reference Evapotranspiration in the Aidoghmoush Basin Using Multilayer Perceptron Coupled with Water Wave Optimization. <i>Complexity</i> , 2021, 2021, 1-12.	0.9	10
4711	Reducing hydrological modelling uncertainty by using MODIS snow cover data and a topography-based distribution function snowmelt model. <i>Journal of Hydrology</i> , 2021, 599, 126020.	2.3	33

#	ARTICLE	IF	CITATIONS
4713	Changes in algal bloom dynamics in a regulated large river in response to eutrophic status. <i>Ecological Modelling</i> , 2021, 454, 109590.	1.2	15
4714	Performance evaluation of CMIP6 global climate models for selecting models for climate projection over Nigeria. <i>Theoretical and Applied Climatology</i> , 2021, 146, 599-615.	1.3	38
4715	The effects of climate variability and land-use change on streamflow and nutrient loadings in the Sesan, Sekong, and Srepok (3S) River Basin of the Lower Mekong Basin. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7117-7126.	2.7	6
4716	Modelling streamflow and sediment yield using Soil and Water Assessment Tool: a case study of Lidder watershed in Kashmir Himalayas, India. <i>Water Practice and Technology</i> , 2021, 16, 1370-1385.	1.0	4
4717	Simulation-based optimization for spatiotemporal allocation of irrigation water in arid region. <i>Agricultural Water Management</i> , 2021, 254, 106952.	2.4	20
4718	Evaluation of the DSSAT-CANEGRO model for simulating the growth of energy cane (<i>Saccharum</i>) Tj ETQq1,1 0.784314 rgBT 0.8 2	1.1	2
4719	Exploring Options for Flood Risk Management with Special Focus on Retention Reservoirs. <i>Sustainability</i> , 2021, 13, 10099.	1.6	10
4720	Phosphorus mass balance and input load estimation from the wet and dry periods in tropical semiarid reservoirs. <i>Environmental Science and Pollution Research</i> , 2022, 29, 10027-10046.	2.7	13
4721	The sensitivity of runoff generation to spatial snowpack uniformity in an alpine watershed: Green Lakes Valley, Niwot Ridge Long-term Ecological Research station. <i>Hydrological Processes</i> , 2021, 35, e14331.	1.1	7
4722	Seasonality of Recharge Drives Spatial and Temporal Nitrate Removal in a Karst Conduit as Evidenced by Nitrogen Isotope Modeling. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006454.	1.3	3
4723	Daily River Water Temperature Prediction: A Comparison between Neural Network and Stochastic Techniques. <i>Atmosphere</i> , 2021, 12, 1154.	1.0	21
4724	Insights into the Pollutant Removal Performance of Stormwater Green Infrastructures: A Case Study of Detention Basins and Retention Ponds. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10104.	1.2	3
4725	Effect of digital elevation model spatial resolution on depression storage. <i>Hydrological Processes</i> , 2021, 35, e14381.	1.1	6
4726	Using DNDC and WHCNS_Veg to Optimize Management Strategies for Improving Potato Yield and Nitrogen Use Efficiency in Northwest China. <i>Agronomy</i> , 2021, 11, 1858.	1.3	6
4727	Impact Assessment of Gridded Precipitation Products on Streamflow Simulations over a Poorly Gauged Basin in El Salvador. <i>Water (Switzerland)</i> , 2021, 13, 2497.	1.2	3
4728	Assessment of climate change impact on water availability in the upper Dong Nai River Basin, Vietnam. <i>Journal of Water and Climate Change</i> , 2021, 12, 3851-3864.	1.2	7
4729	Evaluation of quantitative precipitation forecast in five Indian river basins. <i>Hydrological Sciences Journal</i> , 2021, 66, 2216-2231.	1.2	6
4730	Data- and Model-Based Discharge Hindcasting over a Subtropical River Basin. <i>Water (Switzerland)</i> , 2021, 13, 2560.	1.2	1

#	ARTICLE	IF	CITATIONS
4731	A Statistical Hydrological Model for Yangtze River Watershed Based on Stepwise Cluster Analysis. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
4732	High-Resolution Land Surface Modeling of the Effect of Long-Term Urbanization on Hydrothermal Changes Over Beijing Metropolitan Area. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034787.	1.2	7
4733	Modeling of PM10 emissions from motor vehicles at signalized intersections and cumulative model validation. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 619.	1.3	2
4734	Coupling detailed urban energy and water budgets with TEB-Hydro model: Towards an assessment tool for nature based solution performances. <i>Urban Climate</i> , 2021, 39, 100925.	2.4	2
4735	Characterizing Ice Cover Formation during Freeze-Up on the Regulated Upper Nelson River, Manitoba. <i>Journal of Cold Regions Engineering - ASCE</i> , 2021, 35, .	0.5	9
4736	Predicting water quality trends resulting from forest cover change in an agriculturally dominated river basin in Eastern Ontario, Canada. <i>Water Quality Research Journal of Canada</i> , 2021, 56, 218-238.	1.2	4
4737	A Comparison of In-Sample and Out-of-Sample Model Selection Approaches for Artificial Neural Network (ANN) Daily Streamflow Simulation. <i>Water (Switzerland)</i> , 2021, 13, 2525.	1.2	7
4738	Mapping Interflow Potential and the Validation of Index-Overlay Weightings by Using Coupled Surface Water and Groundwater Flow Model. <i>Water (Switzerland)</i> , 2021, 13, 2452.	1.2	4
4739	Assessment of land use and climate change effects on hydrology in the upper Siem Reap River and Angkor Temple Complex, Cambodia. <i>Environmental Development</i> , 2021, 39, 100615.	1.8	13
4740	A Shared Vision on the Transboundary Water Management Challenges of the Tagus River Basin. <i>Water Resources Management</i> , 2021, 35, 4647-4664.	1.9	4
4741	Applying a Graphical Method in Evaluation of Empirical Methods for Estimating Time of Concentration in an Arid Region. <i>Water (Switzerland)</i> , 2021, 13, 2624.	1.2	1
4742	A Framework for Calculating Peak Discharge and Flood Inundation in Ungauged Urban Watersheds Using Remotely Sensed Precipitation Data: A Case Study in Freetown, Sierra Leone. <i>Remote Sensing</i> , 2021, 13, 3806.	1.8	5
4743	Hydrologic responses to climate and land-use/land-cover changes in the Bilate catchment, Southern Ethiopia. <i>Journal of Water and Climate Change</i> , 2021, 12, 3750-3769.	1.2	17
4744	Numerical Modeling of Soil Water Flow and Nitrogen Dynamics in a Tomato Field Irrigated with Municipal Wastewater. , 0, , .		0
4745	Developing machine learning algorithms for meteorological temperature and humidity forecasting at Terengganu state in Malaysia. <i>Scientific Reports</i> , 2021, 11, 18935.	1.6	52
4746	Daily scale river flow simulation: hybridized fuzzy logic model with metaheuristic algorithms. <i>Hydrological Sciences Journal</i> , 2021, 66, 2155-2169.	1.2	10
4747	Developing a method for integrating canopy measurements into evapotranspiration predictions. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108539.	1.9	1
4748	Robust Optimization for Stability of I-Walls and Levee System Resting on Sandy Foundation. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 57-68.	0.9	1

#	ARTICLE	IF	CITATIONS
4749	The response of net primary productivity to climate change and its impact on hydrology in a water-limited agricultural basin. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	5
4750	Goodness-of-fit criteria for hydrological models: Model calibration and performance assessment. <i>Journal of Hydrology</i> , 2021, 600, 126674.	2.3	44
4751	Unprecedented Retention Capabilities of Extensive Green Roofsâ€™New Design Approaches and an Open-Source Model. <i>Frontiers in Water</i> , 2021, 3, .	1.0	5
4752	Effect of root zone soil moisture on the SWAT model simulation of surface and subsurface hydrological fluxes. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	9
4753	Modeling agro-hydrological processes and analyzing water use in a super-large irrigation district (Hetao) of arid upper Yellow River basin. <i>Journal of Hydrology</i> , 2021, 603, 127014.	2.3	20
4754	Prediction of land surface temperature of major coastal cities of India using bidirectional LSTM neural networks. <i>Journal of Water and Climate Change</i> , 2021, 12, 3801-3819.	1.2	11
4755	Investigation on the lateral anti-seepage capacity of a vertical soil sand layer (VSSL) in a sunken lawn. <i>Journal of Hydro-Environment Research</i> , 2021, 38, 44-52.	1.0	1
4756	Modeling and designing for nitrogen removal in bioretention basins. <i>Environmental Modelling and Software</i> , 2021, 146, 105212.	1.9	5
4757	Transpiration and Water Use of an Irrigated Traditional Olive Grove with Sap-Flow Observations and the FAO56 Dual Crop Coefficient Approach. <i>Water (Switzerland)</i> , 2021, 13, 2466.	1.2	12
4758	Modelling vadose zone flows and groundwater dynamics of alluvial aquifers in Eastern Gangetic Plains of India: evaluating the effects of agricultural intensification. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	1
4759	Comment on Liu (2020): A rational performance criterion for hydrological model. <i>Journal of Hydrology</i> , 2022, 606, 126927.	2.3	3
4760	Crop water requirements and crop coefficients for jute mallow (<i>Corchorus olitorius</i> L.) using the SIMDualKc model and assessing irrigation strategies for the Syrian Akkar region. <i>Agricultural Water Management</i> , 2021, 255, 107038.	2.4	8
4762	Deep Learning-Based Predictive Framework for Groundwater Level Forecast in Arid Irrigated Areas. <i>Water (Switzerland)</i> , 2021, 13, 2558.	1.2	11
4763	Forecasting of pre-monsoon flash flood events in the northeastern Bangladesh using coupled hydrometeorological NWP modelling system. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 1603-1625.	0.9	3
4764	Digital Soil Mapping for Hydrological Modeling by the Example of Experimental Catchments in the South of Primorsky Krai. <i>Eurasian Soil Science</i> , 2021, 54, 1375-1384.	0.5	4
4765	Contribution of Satellite-Based Precipitation in Hydrological Rainfallâ€™Runoff Modeling: Case Study of the Hammam Boughrara Region in Algeria. <i>Earth Systems and Environment</i> , 2021, 5, 873-881.	3.0	3
4766	Contrasting effects of climate and LULC change on blue water resources at varying temporal and spatial scales. <i>Science of the Total Environment</i> , 2021, 786, 147488.	3.9	19
4767	Effect of land use/land cover changes on surface water availability in the Omo-Gibe basin, Ethiopia. <i>Hydrological Sciences Journal</i> , 2021, 66, 1936-1962.	1.2	17

#	ARTICLE	IF	CITATIONS
4768	Reducing Climate Change Induced Flood at the Cost of Hydropower in the Lancang-Mekong River Basin. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094243.	1.5	11
4769	Developing Green Infrastructure Strategies Based on the Analysis of Sewer System Critical Components. <i>Water (Switzerland)</i> , 2021, 13, 2694.	1.2	1
4770	Accounting for flow intermittence in freshwater species distribution modelling. <i>Ecohydrology</i> , 2021, 14, e2346.	1.1	1
4771	Modelling of streamflow before and after dam construction in the Mono River Basin in Togo-Benin, West Africa. <i>International Journal of River Basin Management</i> , 2023, 21, 265-281.	1.5	4
4772	Deep Learning for Isotope Hydrology: The Application of Long Short-Term Memory to Estimate High Temporal Resolution of the Stable Isotope Concentrations in Stream and Groundwater. <i>Frontiers in Water</i> , 2021, 3, .	1.0	3
4773	Simulation of potential evapotranspiration values based on vine copula. <i>Meteorological Applications</i> , 2021, 28, e2027.	0.9	13
4774	Uncertainty assessment of multi-parameter, multi-GCM, and multi-RCP simulations for streamflow and non-floodplain wetland (NFW) water storage. <i>Journal of Hydrology</i> , 2021, 600, 126564.	2.3	22
4775	Evaluating the flow and sediment effects of gully land consolidation on the Loess Plateau, China. <i>Journal of Hydrology</i> , 2021, 600, 126535.	2.3	16
4776	Important factors when simulating the water and nitrogen balance in a tile-drained agricultural field under long-term monitoring. <i>Science of the Total Environment</i> , 2021, 787, 147610.	3.9	7
4777	Uncertainty quantification of the soil moisture response functions for microbial dormancy and resuscitation. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108337.	4.2	7
4778	Modelling climate change impacts on the Brahmaputra streamflow resulting from changes in snowpack attributes. <i>Journal of Hydrology</i> , 2021, 603, 126998.	2.3	11
4779	Evaluation and selection of CORDEX-SA datasets and bias correction methods for a hydrological impact study in a humid tropical river basin, Kerala. <i>Journal of Water and Climate Change</i> , 0, , .	1.2	4
4780	Simulation of flow at an ungauged river site based on HEC-HMS model for a mountainous river basin. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	12
4781	Hierarchical systems integration for coordinated urban-rural water quality management at a catchment scale. <i>Science of the Total Environment</i> , 2022, 806, 150642.	3.9	5
4782	Testing the accuracy of high-resolution satellite-based and numerical model output precipitation products over Ethiopia. <i>Theoretical and Applied Climatology</i> , 2021, 146, 1127-1142.	1.3	11
4783	Can reservoir regulation mitigate future climate change induced hydrological extremes in the Lancang-Mekong River Basin?. <i>Science of the Total Environment</i> , 2021, 785, 147322.	3.9	47
4784	Modelling water consumption, N fates and maize yield under different water-saving management practices in China and Pakistan. <i>Agricultural Water Management</i> , 2021, 255, 107033.	2.4	17
4785	Assessment and prediction of cement paste flow behavior; Marsh-funnel flow time and mini-slump values. <i>Construction and Building Materials</i> , 2021, 301, 124072.	3.2	14

#	ARTICLE	IF	CITATIONS
4786	Spatially distributed impacts of climate change and groundwater demand on the water resources in a wadi system. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5065-5081.	1.9	8
4787	Coupling terrestrial and aquatic thermal processes for improving stream temperature modeling at the watershed scale. <i>Journal of Hydrology</i> , 2021, 603, 126983.	2.3	8
4788	The Waterlogging Process Model in the Paddy Fields of Flat Irrigation Districts. <i>Water (Switzerland)</i> , 2021, 13, 2668.	1.2	3
4789	Streamflow prediction using an integrated methodology based on convolutional neural network and long short-term memory networks. <i>Scientific Reports</i> , 2021, 11, 17497.	1.6	103
4790	Projecting land use growth and associated impacts on hydrological balance through scenario-based modelling in the Subarnarekha basin, India. <i>Hydrological Sciences Journal</i> , 2021, 66, 1997-2010.	1.2	16
4791	Comparative study of semi-distributed and 2D-distributed hydrological models for streamflow prediction in a data scarce mountainous watershed. <i>Modeling Earth Systems and Environment</i> , 0, , 1.	1.9	0
4792	Hydrological Modeling in Agricultural Intensive Watershed: The Case of Upper East Fork White River, USA. <i>Hydrology</i> , 2021, 8, 137.	1.3	6
4793	Modeling Riverine N ₂ O Sources, Fates, and Emission Factors in a Typical River Network of Eastern China. <i>Environmental Science & Technology</i> , 2021, 55, 13356-13365.	4.6	3
4794	Improving modeling of ecosystem gross primary productivity through re-optimizing temperature restrictions on photosynthesis. <i>Science of the Total Environment</i> , 2021, 788, 147805.	3.9	11
4795	Integrated Water Quality Management Model for the Rural Transboundary River Basin—A Case Study of the Sutla/Sotla River. <i>Water (Switzerland)</i> , 2021, 13, 2569.	1.2	2
4796	A GIS-based framework for local agricultural decision-making and regional crop yield simulation. <i>Agricultural Systems</i> , 2021, 193, 103213.	3.2	6
4797	Development of a lucerne model in APSIM next generation: 1 phenology and morphology of genotypes with different fall dormancies. <i>European Journal of Agronomy</i> , 2021, 130, 126372.	1.9	8
4798	A methodology for assessing spatio-temporal dynamics of flood regulating services. <i>Ecological Indicators</i> , 2021, 129, 107963.	2.6	29
4799	Modeling environmental impact in a semi-arid intensive irrigated watershed. <i>Agricultural Water Management</i> , 2021, 256, 107115.	2.4	1
4800	Detecting and quantifying the impact of long-term terrestrial water storage changes on the runoff ratio in the head regions of the two largest rivers in China. <i>Journal of Hydrology</i> , 2021, 601, 126668.	2.3	11
4801	Statistical analysis of attributions of climatic characteristics to nonstationary rainfall–streamflow relationship. <i>Journal of Hydrology</i> , 2021, 603, 127017.	2.3	11
4802	Whole-farm modelling of grazing dairy systems in Uruguay. <i>Agricultural Systems</i> , 2021, 193, 103227.	3.2	2
4803	Prediction of harmful algal blooms in large water bodies using the combined EFDC and LSTM models. <i>Journal of Environmental Management</i> , 2021, 295, 113060.	3.8	50

#	ARTICLE	IF	CITATIONS
4804	Evaluating the performance of streamflow simulated by an eco-hydrological model calibrated and validated with global land surface actual evapotranspiration from remote sensing at a catchment scale in West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100893.	1.0	6
4805	Sensitivity and uncertainty analysis for streamflow prediction based on multiple optimization algorithms in Yalong River Basin of southwestern China. <i>Journal of Hydrology</i> , 2021, 601, 126598.	2.3	20
4806	Effect of thermal stratified flow on algal blooms in a tributary bay of the Three Gorges reservoir. <i>Journal of Hydrology</i> , 2021, 601, 126648.	2.3	21
4807	Using multiple objective calibrations to explore uncertainty in extreme event modeling. <i>Canadian Journal of Civil Engineering</i> , 2021, 48, 1386-1397.	0.7	0
4808	Individual-based modelling of cyanobacteria blooms: Physical and physiological processes. <i>Science of the Total Environment</i> , 2021, 792, 148418.	3.9	25
4809	River Damming Reduces Wetland Function in Regulating Flow. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	6
4810	Assessing rainwater harvesting potential in a humid and semi-humid region based on a hydrological model. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100912.	1.0	5
4811	Calibration of hydrological models considering process interdependence: A case study of SWAT model. <i>Environmental Modelling and Software</i> , 2021, 144, 105131.	1.9	11
4812	Predictive modeling of selected trace elements in groundwater using hybrid algorithms of iterative classifier optimizer. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103849.	1.6	16
4813	A distributed heat transfer model for thermal-hydraulic analyses in sewer networks. <i>Water Research</i> , 2021, 204, 117649.	5.3	8
4814	Contribution of wastewater- versus non-wastewater-derived sources to haloacetonitriles formation potential in a wastewater-impacted river. <i>Science of the Total Environment</i> , 2021, 792, 148355.	3.9	3
4816	Modeling deficit irrigation-based evapotranspiration optimizes wheat yield and water productivity in arid regions. <i>Agricultural Water Management</i> , 2021, 256, 107122.	2.4	34
4817	Response of hydrological systems to the intensity of ecological engineering. <i>Journal of Environmental Management</i> , 2021, 296, 113173.	3.8	13
4818	Transient study of series-connected pumps working as turbines in off-grid systems. <i>Energy Conversion and Management</i> , 2021, 245, 114586.	4.4	9
4819	Assessing the Effect of Land/Use Land Cover and Climate Change on Water Yield and Groundwater Recharge in East African Rift Valley using Integrated Model. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100926.	1.0	21
4820	Assessment of water stress level about global glacier-covered arid areas: A case study in the Shule River Basin, northwestern China. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100895.	1.0	8
4821	Evaluating the uncertainty of eight approaches for separating the impacts of climate change and human activities on streamflow. <i>Journal of Hydrology</i> , 2021, 601, 126605.	2.3	23
4822	Quantifying the spatiotemporal dynamics of recharge in a composite Great Lakes watershed using a high-resolution hydrology model and multi-source data. <i>Journal of Hydrology</i> , 2021, 601, 126594.	2.3	2

#	ARTICLE	IF	CITATIONS
4823	Variability of rill detachment capacity with sediment size, water depth and soil slope in forest soils: A flume experiment. <i>Journal of Hydrology</i> , 2021, 601, 126625.	2.3	12
4824	In-building heat recovery mitigates adverse temperature effects on biological wastewater treatment: A network-scale analysis of thermal-hydraulics in sewers. <i>Water Research</i> , 2021, 204, 117552.	5.3	15
4825	Long-term, process-based, continuous simulations for a small, nested rangeland watershed near Tombstone, AZ (USA): Extending model validity to include soil redistribution. <i>Science of the Total Environment</i> , 2021, 792, 148403.	3.9	2
4826	Modeling water quantity and quality for a typical agricultural plain basin of northern China by a coupled model. <i>Science of the Total Environment</i> , 2021, 790, 148139.	3.9	22
4827	Modeling soil chemical changes induced by grassland afforestation in a sedimentary plain with shallow groundwater. <i>Geoderma</i> , 2021, 400, 115158.	2.3	2
4828	Modeling flow-related phosphorus inputs to tropical semiarid reservoirs. <i>Journal of Environmental Management</i> , 2021, 295, 113123.	3.8	25
4829	Extended lead time accurate forecasting of palmer drought severity index using hybrid wavelet-fuzzy and machine learning techniques. <i>Journal of Hydrology</i> , 2021, 601, 126619.	2.3	16
4830	Comprehensive comparison of artificial neural networks and long short-term memory networks for rainfall-runoff simulation. <i>Physics and Chemistry of the Earth</i> , 2021, 123, 103026.	1.2	35
4831	Response of hydrological processes to climate and land use changes in Hiso River watershed, Fukushima, Japan. <i>Physics and Chemistry of the Earth</i> , 2021, 123, 103010.	1.2	6
4832	Effects of Infiltration Conditions and Rainfall Characteristics on Simulated Curve Numbers. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, 05021004.	0.6	2
4833	Effects of climate and land cover changes on water availability in a Brazilian Cerrado basin. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100931.	1.0	15
4834	Predicting stable gravel-bed river hydraulic geometry: A test of novel, advanced, hybrid data mining algorithms. <i>Environmental Modelling and Software</i> , 2021, 144, 105165.	1.9	9
4835	Hydrologic Modeling of the Sudd Wetland using Satellite-based Data. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100922.	1.0	9
4836	A new probability-embodied model for simulating variable contributing areas and hydrologic processes dominated by surface depressions. <i>Journal of Hydrology</i> , 2021, 602, 126762.	2.3	6
4837	Performance evaluation of spatially distributed, CN-based rainfall-runoff model configurations for implementation in spatial land use optimization analyses. <i>Journal of Hydrology</i> , 2021, 602, 126872.	2.3	12
4838	Water Ecosystem Services Footprint of agricultural production in Central Italy. <i>Science of the Total Environment</i> , 2021, 797, 149095.	3.9	9
4839	Modelling the hydrological responses of green roofs under different substrate designs and rainfall characteristics using a simple water balance model. <i>Journal of Hydrology</i> , 2021, 602, 126786.	2.3	17
4840	Evaluating landscape influences on hydrologic behavior with a fully-integrated groundwater & surface water model. <i>Journal of Hydrology</i> , 2021, 602, 126758.	2.3	9

#	ARTICLE	IF	CITATIONS
4841	Variance decomposition of forecasted sediment transport in a lowland watershed using global climate model ensembles. <i>Journal of Hydrology</i> , 2021, 602, 126760.	2.3	0
4842	Impact of landscape pattern changes on hydrological ecosystem services in the Beressa watershed of the Blue Nile Basin in Ethiopia. <i>Science of the Total Environment</i> , 2021, 793, 148559.	3.9	105
4843	Long-term variations in water balance by increase in percent imperviousness of urban regions. <i>Journal of Hydrology</i> , 2021, 602, 126767.	2.3	20
4844	Design drainage rates to optimize crop production for subsurface-drained fields. <i>Agricultural Water Management</i> , 2021, 257, 107045.	2.4	11
4845	Hydrological modelling of a snow/glacier-fed western Himalayan basin to simulate the current and future streamflows under changing climate scenarios. <i>Science of the Total Environment</i> , 2021, 795, 148871.	3.9	25
4846	Simulating soil nitrogen fate in irrigated crop production with manure applications. <i>Science of the Total Environment</i> , 2021, 793, 148510.	3.9	5
4847	Spatial heterogeneity modeling of water quality based on random forest regression and model interpretation. <i>Environmental Research</i> , 2021, 202, 111660.	3.7	75
4848	Optimal Characterization of Unknown Multispecies Reactive Contamination Sources in an Aquifer. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	6
4849	Vis-NIR spectroscopy predicts threshold velocity of wind erosion in calcareous soils. <i>Geoderma</i> , 2021, 401, 115163.	2.3	14
4850	A review of alternative climate products for SWAT modelling: Sources, assessment and future directions. <i>Science of the Total Environment</i> , 2021, 795, 148915.	3.9	41
4851	Modelling the effects of urbanization on nutrients pollution for prospective management of a tropical watershed: A case study of Skudai River watershed. <i>Ecological Modelling</i> , 2021, 459, 109721.	1.2	5
4852	Modeling water potential of cover crop residues on the soil surface. <i>Ecological Modelling</i> , 2021, 459, 109708.	1.2	7
4853	A large-scale comparison of Artificial Intelligence and Data Mining (AI&DM) techniques in simulating reservoir releases over the Upper Colorado Region. <i>Journal of Hydrology</i> , 2021, 602, 126723.	2.3	37
4854	Future projections of flooding characteristics in the Lancang-Mekong River Basin under climate change. <i>Journal of Hydrology</i> , 2021, 602, 126778.	2.3	29
4855	Explainable deep learning predictions for illness risk of mental disorders in Nanjing, China. <i>Environmental Research</i> , 2021, 202, 111740.	3.7	17
4856	Influence of bushfire on accumulation and ablation of a marginal montane snowpack in Snow Gum forests. <i>Journal of Hydrology</i> , 2021, 603, 126795.	2.3	3
4857	Determining water allocation scheme to attain nutrient management objective for a large lake receiving irrigation discharge. <i>Journal of Hydrology</i> , 2021, 603, 126900.	2.3	8
4858	The probability distribution of daily streamflow in perennial rivers of Angola. <i>Journal of Hydrology</i> , 2021, 603, 126869.	2.3	4

#	ARTICLE	IF	CITATIONS
4859	The effect of altitude on the prediction of momentum for rainfall erosivity studies in Mexico. <i>Catena</i> , 2021, 207, 105604.	2.2	5
4860	Assessing the impacts of land use and land cover change on water resources in the Upper Bhima river basin, India. <i>Environmental Challenges</i> , 2021, 5, 100251.	2.0	28
4861	Perspectives and challenges of applying the water-food-energy nexus approach to lake eutrophication modelling. <i>Water Security</i> , 2021, 14, 100095.	1.2	2
4862	Twenty years of change: Land and water resources in the Chindwin catchment, Myanmar between 1999 and 2019. <i>Science of the Total Environment</i> , 2021, 798, 148766.	3.9	16
4863	Estimating discharge of the Ganga River from satellite altimeter data. <i>Journal of Hydrology</i> , 2021, 603, 126860.	2.3	8
4864	Oil for Pakistan: What are the main factors affecting the oil import?. <i>Energy</i> , 2021, 237, 121535.	4.5	12
4865	Improvement of simulating sub-daily hydrological impacts of rainwater harvesting for landscape irrigation with rain barrels/cisterns in the SWAT model. <i>Science of the Total Environment</i> , 2021, 798, 149336.	3.9	9
4866	Energy-saving performance of respiration-type double-layer glass curtain wall system in different climate zones of China: Experiment and simulation. <i>Energy and Buildings</i> , 2021, 252, 111464.	3.1	11
4867	A spatio-temporal analysis of rice production in Tonle Sap floodplains in response to changing hydrology and climate. <i>Agricultural Water Management</i> , 2021, 258, 107183.	2.4	5
4868	Understanding the intra-annual variability of streamflow by incorporating terrestrial water storage from GRACE into the Budyko framework in the Qinba Mountains. <i>Journal of Hydrology</i> , 2021, 603, 126988.	2.3	7
4869	Optimal allocation of best management practices based on receiving water capacity constraints. <i>Agricultural Water Management</i> , 2021, 258, 107179.	2.4	7
4870	Integrated passive sampling and fugacity model to characterize fate and removal of organophosphate flame retardants in an anaerobic-anoxic-oxic municipal wastewater treatment system. <i>Journal of Hazardous Materials</i> , 2022, 424, 127288.	6.5	5
4871	Quantifying flow-ecology relationships across flow regime class and ecoregions in South Carolina. <i>Science of the Total Environment</i> , 2022, 802, 149721.	3.9	18
4872	Integrated watershed process model for evaluating mercury sources, transport, and future remediation scenarios in an industrially contaminated site. <i>Journal of Hazardous Materials</i> , 2022, 423, 127049.	6.5	2
4873	How suitable are satellite rainfall estimates in simulating high flows and actual evapotranspiration in MelkaKunitre catchment, Upper Awash Basin, Ethiopia?. <i>Science of the Total Environment</i> , 2022, 806, 150443.	3.9	4
4874	The fallacy in the use of the "best-fit" solution in hydrologic modeling. <i>Science of the Total Environment</i> , 2022, 802, 149713.	3.9	18
4875	Capabilities of deep learning models on learning physical relationships: Case of rainfall-runoff modeling with LSTM. <i>Science of the Total Environment</i> , 2022, 802, 149876.	3.9	21
4876	Multi-model driven by diverse precipitation datasets increases confidence in identifying dominant factors for runoff change in a subbasin of the Qaidam Basin of China. <i>Science of the Total Environment</i> , 2022, 802, 149831.	3.9	17

#	ARTICLE	IF	CITATIONS
4877	Assessment of climate change impact on the Gomti River basin in India under different RCP scenarios. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	2
4878	Uncertainty Analysis of SWAT Modeling in the Lancang River Basin Using Four Different Algorithms. <i>Water (Switzerland)</i> , 2021, 13, 341.	1.2	24
4879	Development of a dynamic water budget model for Abu Dhabi Emirate, UAE. <i>PLoS ONE</i> , 2021, 16, e0245140.	1.1	6
4880	Application of a Machine Learning Technique for Developing Short-Term Flood and Drought Forecasting Models in Tropical Mountainous Catchments. <i>Disaster Risk Reduction</i> , 2021, , 11-35.	0.2	3
4881	Water Demand Prediction Using Machine Learning Methods: A Case Study of the Beijingâ€“Tianjinâ€“Hebei Region in China. <i>Water (Switzerland)</i> , 2021, 13, 310.	1.2	10
4882	Investigation of correlation between surface runoff rate and stream water quality. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 1495-1505.	1.0	1
4883	C and N dynamics with repeated organic amendments can be simulated with the STICS model. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 103-121.	1.1	9
4884	Impact of Land Use and Land Cover Changes on Surface Runoff and Sediment Yield in the Little Ruaha River Catchment. <i>Open Journal of Modern Hydrology</i> , 2021, 11, 54-74.	0.4	16
4885	A Contemporary Review on Drought Modeling Using Machine Learning Approaches. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021, 128, 447-487.	0.8	21
4886	Multi-Time Scale Evaluation of Forest Water Conservation Function in the Semiarid Mountains Area. <i>Forests</i> , 2021, 12, 116.	0.9	11
4887	Deepening roots can enhance carbonate weathering by amplifying CO ₂ -rich recharge. <i>Biogeosciences</i> , 2021, 18, 55-75.	1.3	31
4888	System-Analytical Modeling of Water Quality for Mountain River Runoff. <i>Sustainable Development Goals Series</i> , 2021, , 79-100.	0.2	0
4889	Reliability Analysis of Retaining Wall Using Artificial Neural Network (ANN) and Adaptive Neuro-Fuzzy Inference System (ANFIS). <i>Lecture Notes in Civil Engineering</i> , 2021, , 543-557.	0.3	2
4890	Assessing Water Availability and Unmet Water Demand Using the WEAP Model in the Semi-Arid Bweengwa, Kasaka and Magoye Sub-Catchments of Southern Zambia. <i>Journal of Environmental Protection</i> , 2021, 12, 280-295.	0.3	2
4891	Implementation of the Semi-Distributed SWAT (Soil and Water Assessment Tool) Model Capacity in the Lobo Watershed at Nibéhibé; (Center-West of Côte Dâ€™Ivoire). <i>Journal of Geoscience and Environment Protection</i> , 2021, 09, 21-38.	0.2	0
4892	Using Integrated Hydrological Models to Assess the Impacts of Climate Change on Discharges and Extreme Flood Events in the Upper Yangtze River Basin. <i>Water (Switzerland)</i> , 2021, 13, 299.	1.2	6
4893	Model tree technique for streamflow forecasting. , 2021, , 215-237.		1
4894	Agronomic and environmental performance of dairy farms in a warmer, wetter climate. <i>Journal of Soils and Water Conservation</i> , 2021, 76, 76-88.	0.8	5

#	ARTICLE	IF	CITATIONS
4895	Use of the SWAT model for estimating reservoir volume in the Upper Navet watershed in Trinidad. SN Applied Sciences, 2021, 3, 1.	1.5	7
4896	Spatio-temporal distribution of reactive nitrogen species in relation to wheat cultivation in Bangladesh. SN Applied Sciences, 2021, 3, 1.	1.5	1
4898	Spatial and seasonal variations of hydrological responses to climate and land-use changes in a highly urbanized basin of Southeastern China. Hydrology Research, 2021, 52, 506-522.	1.1	8
4899	A hybrid skyhook active force control for impact mitigation using magneto-rheological elastomer isolator. Smart Materials and Structures, 2021, 30, 025043.	1.8	7
4900	Coupling Remote Sensing and GIS with KINEROS2 Model for Spatially Distributed Runoff Modeling in a Himalayan Watershed. Journal of the Indian Society of Remote Sensing, 2021, 49, 1121-1139.	1.2	6
4901	Accuracy and uncertainty analysis of staple food crop modelling by the process-based Agro-C model. International Journal of Biometeorology, 2021, 65, 587-599.	1.3	2
4902	Modelling the hydrological interactions between a fissured granite aquifer and a valley mire in the Massif Central, France. Hydrology and Earth System Sciences, 2021, 25, 291-319.	1.9	3
4903	Toward an Efficient Uncertainty Quantification of Streamflow Predictions Using Sparse Polynomial Chaos Expansion. Water (Switzerland), 2021, 13, 203.	1.2	2
4904	Freshwater and Matter Inputs in the Aegean Coastal System. Handbook of Environmental Chemistry, 2021, , 1.	0.2	4
4905	Assessment of Streamflow Simulation for a Tropical Forested Catchment Using Dynamic TOPMODELâ€™Dynamic fluxEs and Connectivity for Predictions of Hydrology (DECIPHeR) Framework and Generalized Likelihood Uncertainty Estimation (GLUE). Water (Switzerland), 2021, 13, 317.	1.2	8
4906	Improving the Reliability of the Prediction of Terrestrial Water Storage in Yunnan Using the Artificial Neural Network Selective Joint Prediction Model. IEEE Access, 2021, 9, 31865-31879.	2.6	4
4907	Flood Change Detection and Attribution Using Simulation Approach in Data-Scarce Watersheds: A Case of Wabi Shebele River Basin, Ethiopia. Journal of Water Resource and Protection, 2021, 13, 362-393.	0.3	6
4908	Estimation of Water Availability in Rivers of Stung Sreng Basin, Cambodia, Using HEC-HMS. Springer Water, 2021, , 287-300.	0.2	0
4909	Physico-Chemical Characteristics of Gushing Water Aquifers in the Coastal Sedimentary Basin of Benin (West Africa). Journal of Geoscience and Environment Protection, 2021, 09, 149-163.	0.2	1
4910	Water management in Saudi Arabia: a case study of Makkah Al Mukarramah region. Environment, Development and Sustainability, 2021, 23, 13650-13666.	2.7	1
4911	Robust Vegetation Parameterization for Green Roofs in the EPA Stormwater Management Model (SWMM). Hydrology, 2021, 8, 12.	1.3	14
4912	Assessment of climate change impacts on streamflow and hydropower potential in the headwater region of the Grande river basin, Southeastern Brazil. International Journal of Climatology, 2017, 37, 5005-5023.	1.5	82
4913	Global-Scale Evaluation of 22 Precipitation Datasets Using Gauge Observations and Hydrological Modeling. Advances in Global Change Research, 2020, , 625-653.	1.6	24

#	ARTICLE	IF	CITATIONS
4914	Models for Describing Landscape Hydrochemical Discharge in Mountain Countries. <i>Innovations in Landscape Research</i> , 2020, , 163-178.	0.2	1
4915	Model-Based Impact Analysis of Climate and Land Use Changes on the Landscape Water Balance. <i>Environmental Science and Engineering</i> , 2014, , 577-590.	0.1	1
4916	Assessment of the Impact of Climate Change on Water Availability in the Citarum River Basin, Indonesia: The Use of Statistical Downscaling and Water Planning Tools. , 2015, , 45-64.		4
4917	Sediment Production in Ravines in the Lower Le Sueur River Watershed, Minnesota. <i>Springer Geography</i> , 2016, , 485-522.	0.3	2
4918	Climate Change Impact Assessment on Groundwater Recharge of the Upper Tiber Basin (Central Italy). <i>Springer Geography</i> , 2016, , 675-701.	0.3	2
4919	Economics of Land Degradation and Improvement in Bhutan. , 2016, , 327-383.		1
4920	Climate Change Impacts on Water Availability and Human Security in the Intercontinental Biosphere Reserve of the Mediterranean (Morocco-Spain). , 2017, , 75-93.		2
4921	Simulation of Hydrograph Response to Land Use Scenarios for a Southern Chile Watershed. <i>Lecture Notes in Computer Science</i> , 2017, , 613-625.	1.0	1
4922	Ensuring Food Security Through Increasing Water Productivity and Cereal Yields Forecasting – A Case Study of Ouled Saleh Commune, Region Casablanca-Settat, Morocco. , 2019, , 61-71.		2
4923	Multi-Site Calibration and Validation of the Hydrological Component of SWAT in a Large Lowland Catchment. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2011, , 15-41.	0.2	17
4924	Correlation Measures for Solute Transport Model Identification and Evaluation. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013, , 389-401.	0.2	5
4925	Verification Metrics for Hydrological Ensemble Forecasts. , 2018, , 1-30.		8
4926	Scaling BVOC Emissions from Leaf to Canopy and Landscape: How Different Are Predictions Based on Contrasting Emission Algorithms?. <i>Tree Physiology</i> , 2013, , 357-390.	0.9	5
4928	Daily denitrification rates in floodplains under contrasting pedo-climatic and anthropogenic contexts: modelling at the watershed scale. <i>Biogeochemistry</i> , 2020, 149, 317-336.	1.7	12
4929	Comparison of Computer Models for Estimating Hydrology and Water Quality in an Agricultural Watershed. <i>Water Resources Management</i> , 2017, 31, 3641-3665.	1.9	7
4930	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. , 2016, 13, 614.		3
4931	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. , 2017, 14, 1039.		7
4932	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. , 2015, 74, 2499.		3

#	ARTICLE	IF	CITATIONS
4933	Bedload Sediment Rate Prediction for the Sand Transport Along Coastal Waters in Ocean Management Strategy. <i>China Ocean Engineering</i> , 2020, 34, 840-852.	0.6	2
4934	Groundwater recharge modelling in a large scale basin: an example using the SWAT hydrologic model. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 1361-1369.	1.9	20
4935	Coupling SWAT and bathymetric data in modelling reservoir catchment hydrology. <i>Spatial Information Research</i> , 2021, 29, 55-69.	1.3	8
4936	Representative parameter estimation for hydrological models using a lexicographic calibration strategy. <i>Journal of Hydrology</i> , 2017, 553, 722-734.	2.3	13
4937	Mean transit time and subsurface flow paths in a humid temperate headwater catchment with granitic bedrock. <i>Journal of Hydrology</i> , 2020, 587, 124942.	2.3	12
4938	Is the sponge city construction sufficiently adaptable for the future stormwater management under climate change?. <i>Journal of Hydrology</i> , 2020, 588, 125055.	2.3	34
4939	Development and testing of a modified SWAT model based on slope condition and precipitation intensity. <i>Journal of Hydrology</i> , 2020, 588, 125098.	2.3	39
4940	A pollution fate and transport model application in a semi-arid region: Is some number better than no number?. <i>Science of the Total Environment</i> , 2017, 595, 425-440.	3.9	10
4941	A framework for determining the maximum allowable external load that will meet a guarantee probability of achieving water quality targets. <i>Science of the Total Environment</i> , 2020, 735, 139421.	3.9	5
4942	Model-based yield gap analysis and constraints of rainfed sorghum production in Southwest Ethiopia. <i>Journal of Agricultural Science</i> , 2020, 158, 855-869.	0.6	9
4943	Impacts of Urbanization on Watershed Water Balances Across the Conterminous United States. <i>Water Resources Research</i> , 2020, 56, e2019WR026574.	1.7	53
4944	Attribution of Hydrologic Changes in a Tropical River Basin to Rainfall Variability and Land-Use Change: Case Study from India. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	33
4945	Influence of Spatial Urbanization on Hydrological Components of the Upper Ganga River Basin, India. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	32
4946	Comparison of Effects of Root Water Uptake Functions for Simulating Surface Water and Heat Fluxes within a Corn Farmland Ecosystem in Northeast China. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, .	0.6	3
4947	Modelling water stress vulnerability in small Andean basins: case study of Campoalegre River basin, Colombia. <i>International Journal of Water Resources Development</i> , 2021, 37, 640-657.	1.2	9
4948	Prediction of high turbidity in rivers using LSTM algorithm. <i>Journal of the Korean Society of Water and Wastewater</i> , 2020, 34, 35-43.	0.3	1
4951	Assessing land leveling needs and performance with unmanned aerial system. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	0.6	11
4952	Rainfall retrieval and drought monitoring skill of satellite rainfall estimates in the Ethiopian Rift Valley Lakes Basin. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	0.6	12

#	ARTICLE	IF	CITATIONS
4953	An Integrated Approach for Flood Inundation Modeling on Large Scales. World Scientific Series on Asia-Pacific Weather and Climate, 2018, , 133-155.	0.2	6
4954	Calibrating the Rainfall-Runoff Model GR4J and GR2M on the Koulountou River Basin, a Tributary of the Gambia River. American Journal of Environmental Protection, 2014, 3, 36.	0.0	17
4955	An Ensemble Approach Modelling to Assess Water Resources in the MÃ©krou Basin, Benin. Hydrology, 2015, 3, 22.	0.5	2
4956	Robustness of Process-Based versus Data-Driven Modeling in Changing Climatic Conditions. Journal of Hydrometeorology, 2020, 21, 1929-1944.	0.7	21
4957	Evaluation of reanalysis and global meteorological products in Beas river basin of North-Western Himalaya. Environmental Systems Research, 2020, 9, .	1.5	17
4958	Effects of Watershed Land Use Data on HSPF Water Quality in the Upper Opequon Watershed in northern Virginia, USA. American Journal of Water Resources, 2014, 2, 54-62.	0.3	4
4959	Investigation on Applicability of Data-Driven Models in Ungauged Catchments: Sediment Yield Prediction. Earth Resources, 2013, 1, 37.	0.3	2
4960	Self-adaptive sampling for sequential surrogate modeling of time-consuming finite element analysis. Smart Structures and Systems, 2016, 17, 611-629.	1.9	9
4961	Modeling the Water Balance Processes for Understanding the Components of River Discharge in a Non-conservative Watershed. Transactions of the ASABE, 2011, 54, 2171-2180.	1.1	19
4962	Spatially-Distributed Costâ€™Effectiveness Analysis Framework to Control Phosphorus from Agricultural Diffuse Pollution. PLoS ONE, 2015, 10, e0130607.	1.1	13
4963	Impacts of Watershed Characteristics and Crop Rotations on Winter Cover Crop Nitrate-Nitrogen Uptake Capacity within Agricultural Watersheds in the Chesapeake Bay Region. PLoS ONE, 2016, 11, e0157637.	1.1	39
4964	Importance of neutral processes varies in time and space: Evidence from dryland stream ecosystems. PLoS ONE, 2017, 12, e0176949.	1.1	3
4965	Hydrologic cost-effectiveness ratio favors switchgrass production on marginal croplands over existing grasslands. PLoS ONE, 2017, 12, e0181924.	1.1	7
4966	Cultivation potential projections of breadfruit (Artocarpus altilis) under climate change scenarios using an empirically validated suitability model calibrated in Hawaiiâ€™. PLoS ONE, 2020, 15, e0228552.	1.1	17
4967	Performances of the WEPP and WaNuLCAS models on soil erosion simulation in a tropical hillslope, Thailand. PLoS ONE, 2020, 15, e0241689.	1.1	7
4968	EXPLICIT NEURAL NETWORK IN SUSPENDED SEDIMENT LOAD ESTIMATION. Neural Network World, 2013, 23, 587-607.	0.5	12
4969	Modelling of Hydrological Responses in the Upper Citarum Basin based on the Spatial Plan of West Java Province 2029 and Climate Change. International Journal of Technology, 2019, 10, 866.	0.4	3
4970	Spatial Translation and Scaling Up of Low Impact Development Designs in an Urban Watershed. Journal of Water Management Modeling, 0, , .	0.0	14

#	ARTICLE	IF	CITATIONS
4971	HSPEXP+: An Enhanced Expert System for HSPF Model Calibration—A Case Study of the Snake River Watershed in Minnesota. <i>Journal of Water Management Modeling</i> , 0, , .	0.0	3
4972	Hydrological process simulation in Manas River Basin using CMADS. <i>Open Geosciences</i> , 2020, 12, 946-957.	0.6	11
4973	Simulation of climate change impacts on grain sorghum production grown under free air CO ₂ enrichment. <i>International Agrophysics</i> , 2016, 30, 311-322.	0.7	13
4974	Using gridded rainfall products in simulating streamflow in a tropical catchment — A case study of the Srepok River Catchment, Vietnam. <i>Journal of Hydrology and Hydromechanics</i> , 2017, 65, 18-25.	0.7	19
4975	The importance of calibration parameters on the accuracy of the floods description in the Snyder's model. <i>Journal of Water and Land Development</i> , 2016, 28, 19-25.	0.9	10
4976	Discharge and Nitrogen Transfer Modelling in the Berze River: A HYPE Setup and Calibration. <i>Environmental and Climate Technologies</i> , 2017, 19, 51-64.	0.5	5
4977	Prediction of bed load via suspended sediment load using soft computing methods. <i>Geofizika</i> , 2015, 32, 27-46.	0.1	21
4978	Quantifying the Relationships of Impact Factors on Non-Point Source Pollution Using the Boosted Regression Tree Algorithm. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 403-411.	0.6	5
4979	Subdividing Large Mountainous Watersheds into Smaller Hydrological Units to Predict Soil Loss and Sediment Yield Using the GeoWEPP Model. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 2135-2146.	0.6	8
4980	Hydrological modeling of freshwater discharge into Hudson Bay using HYPE. <i>Elementa</i> , 2020, 8, .	1.1	17
4981	REGIONAL ASSESSMENT CHANGES OF THE RIVERS RUNOFF OF UKRAINIAN CARPATHIANS REGION UNDER CLIMATE CHANGES. <i>Ukrainian Geographical Journal</i> , 2020, , 20-29.	0.2	10
4982	Methodology for determining the mean and extreme sea level regimes (astronomical and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 DYNA (Colombia), 2018, 85, 274-283.	0.2	2
4983	CFSR- NCEP Performance for weather data forecasting in the Pernambuco Semiarid, Brazil. <i>DYNA (Colombia)</i> , 2020, 87, 204-213.	0.2	1
4984	Application of the HEC-HMS Model for Prediction of Future Rainfall Runoff in the Daecheong Dam Basin of the Geum River. <i>Journal of Climate Change Research</i> , 2020, 11, 609-619.	0.1	3
4985	Efficacy of near infrared spectroscopy to segregate raw milk from individual cows between herds for product innovation and traceability. <i>Quality Assurance and Safety of Crops and Foods</i> , 2020, 12, 1-11.	1.8	1
4986	Combination of hydrologic and hydraulic modeling on flood and inundation warning: case study at Tra Khuc-Ve River basin in Vietnam. <i>Vietnam Journal of Earth Sciences</i> , 2019, 41, 240-251.	1.0	7
4987	IMPACT OF CLIMATE CHANGE ON GROUNDWATER RECHARGE IN A SEMI-ARID REGION OF NORTHERN INDIA. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 335-362.	0.2	25
4988	Daily runoff simulation in Ravansar Sanjabi basin, Kermanshah, Iran, using remote sensing through SRM model and comparison to SWAT model. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 1843-1862.	0.2	2

#	ARTICLE	IF	CITATIONS
4989	MODELING OF NITROGEN TRANSPORT IN VARIABLY SATURATED SOILS. Applied Ecology and Environmental Research, 2018, 16, 1427-1444.	0.2	5
4990	Filling Option Assessments for Proposed Reservoirs in Abbay (Upper Blue Nile) River Basin to Minimize Impacts on Energy Generation of Downstream Reservoirs. Open Journal of Renewable Energy and Sustainable Development, 2014, 2014, 22-35.	0.1	2
4991	APPLICABILITY OF THE SWAT HYDROLOGICAL MODEL IN THE MUCURI RIVER BASIN. Engenharia Agricola, 2020, 40, 631-644.	0.2	3
4992	Scenarios of water quality management in watershed with distributed spatio-temporal simulation. Revista Brasileira De Recursos Hidricos, 0, 25, .	0.5	2
4993	Engaging Nash-Sutcliffe Efficiency and Model Efficiency Factor Indicators in Selecting and Validating Effective Light Rail System Operation and Maintenance Cost Models. Journal of Traffic and Transportation Engineering, 2015, 3, .	0.1	3
4994	Application of AHP-DEMATEL and GMDH Framework to Develop an Indicator to Identify Failure Probability of Wave Energy Converter. Indian Journal of Science and Technology, 2017, 10, 1-6.	0.5	1
4995	Assessment of Climate Change Impact on Sorghum Production in Machakos County. Sustainable Food Production, 0, 3, 25-45.	0.0	2
4996	A bricolage-style exploratory scenario analysis to manage uncertainty in socio-environmental systems modeling: investigating integrated water management options. Socio-Environmental Systems Modeling, 0, 2, 16227.	0.0	3
4997	Quantitative analysis the influences of climate change and human activities on hydrological processes in Poyang Basin. Hupo Kexue/Journal of Lake Sciences, 2016, 28, 432-443.	0.3	10
4998	Non-point source pollution simulation in karst region based on modified SWAT Model-A case study in Henggang River Basin. Hupo Kexue/Journal of Lake Sciences, 2018, 30, 1560-1575.	0.3	3
4999	Runoff and Sediment Yield Estimation by SWAT Model: Review and Outlook. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 879-886.	0.0	3
5000	Streamflow modeling of five major rivers that flow into the Gulf of Mexico using SWAT. Atmosfera, 2019, 32, 261-272.	0.3	7
5001	Numerical Modeling for Hydrodynamics and Near-Surface Flow Patterns of a Tidal Confluence. Journal of Coastal Research, 2020, 36, 295.	0.1	4
5002	COMPARATIVE STUDY OF PRESSURE WAVE MATHEMATICAL MODELS FOR HP FUEL PIPELINE OF CEUP AT VARIOUS OPERATING CONDITIONS. International Journal on Smart Sensing and Intelligent Systems, 2013, 6, 1077-1101.	0.4	8
5003	ANALYSIS OF KEY FUEL PROPERTIES INSIDE COMBINATION ELECTRONIC UNIT PUMP FUEL PIPELINE. International Journal on Smart Sensing and Intelligent Systems, 2013, 6, 2254-2276.	0.4	2
5004	ANALYSIS OF DIESEL AND RAPESEED METHYL ESTER PROPERTIES IN CEUP FUEL PIPELINE USING FREQUENCY DEPENDENT DAMPING MODEL. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 498-518.	0.4	2
5005	Modeling Tree Shade Effect on Urban Ground Surface Temperature. Journal of Environmental Quality, 2016, 45, 146-156.	1.0	48
5006	Assessing the Economic Benefits of Sustainable Land Management Practices in Bhutan. SSRN Electronic Journal, 0, , .	0.4	12

#	ARTICLE	IF	CITATIONS
5007	Scheme-Based Optimization of Land Surface Model Using a Micro-Genetic Algorithm: Assessment of Its Performance and Usability for Regional Applications. <i>Scientific Online Letters on the Atmosphere</i> , 2015, 11, 129-133.	0.6	11
5008	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. <i>H2Open Journal</i> , 2020, 3, 306-327.	0.8	11
5009	Improving streamflow forecast using optimal rain gauge network-based input to artificial neural network models. <i>Hydrology Research</i> , 2018, 49, 1559-1577.	1.1	11
5010	Comparison of meteorological indices for drought monitoring and evaluating: a case study from Euphrates basin, Turkey. <i>Journal of Water and Climate Change</i> , 2020, 11, 29-43.	1.2	26
5011	Evaluation method of rainâ€flood resource utilization availability and its application in the Hanjiang River Basin. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 3557-3575.	1.0	2
5012	Establishment and verification of the prediction model of soil wetting pattern size in vertical moistube irrigation. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 331-343.	1.0	5
5013	Hydrological Modelling in the Lake Tana Basin, Ethiopia Using SWAT Model. <i>The Open Hydrology Journal</i> , 2008, 2, 49-62.	0.4	239
5014	AnÃ¡lisis comparativo de modelos hidrolÃ³gicos de simulaciÃ³n continua en cuencas de alta montaÃ±a: caso del RÃo ChinchinÃ¡. <i>Revista IngenierÃas Universidad De MedellÃn</i> , 2014, 13, 43-58.	0.1	7
5015	Modeling Surface Runoff and Evapotranspiration using SWAT and BEACH for a Tropical Watershed in North Vietnam, Compared to MODIS Products. <i>International Journal of Advanced Remote Sensing and GIS</i> , 2015, 4, 1367-1384.	0.2	11
5017	Unveiling Spatial Variation in Salt Affected Soil of Gautam Buddha Nagar District Based on Remote Sensing Indicators. <i>Journal of Landscape Ecology(Czech Republic)</i> , 2020, 13, 61-84.	0.2	2
5018	The Influence of Permanent Grasslands on Nitrate Nitrogen Loads in Modelling Approach. <i>Journal of Water and Land Development</i> , 2014, 21, 63-70.	0.9	4
5019	Performance evaluation of solar radiation equations for estimating reference evapotranspiration (ET _o) in a humid tropical environment. <i>Journal of Water and Land Development</i> , 2019, 42, 124-135.	0.9	11
5020	Hydrological modeling using the SWAT model based on two types of data from the watershed of Beni Haroun dam, Algeria. <i>Journal of Water and Land Development</i> , 2019, 43, 76-89.	0.9	9
5021	Modelling of discharge, nitrate and phosphate loads from the Reda catchment to the Puck Lagoon using SWAT. <i>Annals of Warsaw University of Life Sciences, Land Reclamation</i> , 2013, 45, 125-141.	0.2	12
5022	APEX simulation: Water quality of Sacramento Valley wetlands impacted by waterfowl droppings. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 713-726.	0.8	6
5023	SWAT vs. RUSLE: Which better predicts benthic habitat condition?. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 765-774.	0.8	2
5024	Simulated nitrate leaching in annually cover cropped and perennial living mulch corn production systems. <i>Journal of Soils and Water Conservation</i> , 2020, 75, 91-102.	0.8	11
5025	Prediction formulas of maximum scour depth and impact location of a local scour hole below a chute spillway with a flip bucket. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
5026	Analysis of adjustment of satellite precipitation for streamflow simulations. , 2011, , .		2
5027	THE REALISM OF STOCHASTIC WEATHER GENERATORS IN RISK DISCOVERY. , 2017, , .		2
5032	Evaluaci3n de la estabilidad de taludes en c3rcavas, Huasca de Ocampo, Hidalgo, M3xico.. Terra Latinoamericana, 2019, 37, 303.	0.3	3
5033	The Nile System Dynamics Model for Water-Food-Energy Nexus Assessment. , 0, , .		4
5034	Estimating evapotranspiration in semi-arid rangelands: connecting reference to actual evapotranspiration and the role of soil evaporation. African Journal of Range and Forage Science, 2019, 36, 17-25.	0.6	3
5035	Impacts of climate variability and land-use change on hydrology in the period 1981-2009 in the central highlands of Vietnam. Global Nest Journal, 2015, 17, 870-881.	0.3	13
5042	Simulated Impacts of Climate Change on Surface Water Yields over the Sondu Basin in Kenya. International Journal for Innovation Education and Research, 2016, 4, 161-173.	0.0	2
5043	A Sediment Rating-curve Method to Determine Sediment Discharge for Rainy Season in Micro-scale Watersheds. Indonesian Journal of Agricultural Research, 2019, 2, 21-27.	0.1	2
5044	Modelling long-term recruitment patterns of blue mussels Mytilus galloprovincialis: a biofouling pest of green-lipped mussel aquaculture in New Zealand. Aquaculture Environment Interactions, 2017, 9, 103-114.	0.7	17
5045	Improvements over three generations of climate model simulations for eastern India. Climate Research, 2012, 51, 201-216.	0.4	25
5046	Hydro-economic consequences of climate change in the upper Rio Grande. Climate Research, 2012, 53, 103-118.	0.4	33
5047	A coupled surfaceâ€“subsurface modeling framework to assess the impact of climate change on freshwater wetlands. Climate Research, 2015, 66, 211-228.	0.4	9
5048	A novel quantile method reveals spatiotemporal shifts in phytoplankton biomass descriptors between bloom and non-bloom conditions in a subtropical estuary. Marine Ecology - Progress Series, 2017, 567, 57-78.	0.9	4
5049	Effects of fertiliser nitrogen management on nitrate leaching risk from grazed dairy pasture. Proceedings of the New Zealand Grassland Association, 0, 76, 211-216.	0.0	1
5050	Resilience of an Integrated Cropâ€“Livestock System to Climate Change: A Simulation Analysis of Cover Crop Grazing in Southern Brazil. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	20
5051	Modeling Bed Shear Stress Distribution in Rectangular Channels Using the Entropic Parameter. Entropy, 2020, 22, 87.	1.1	8
5052	Simulating the Hydrologic Impact of Arundo donax Invasion on the Headwaters of the Nueces River in Texas. Hydrology, 2015, 2, 134-147.	1.3	6
5053	Identification of Critical Source Areas of Nitrogen Load in the Miyun Reservoir Watershed under Different Hydrological Conditions. Sustainability, 2020, 12, 964.	1.6	9

#	ARTICLE	IF	CITATIONS
5054	Impact of Land Use Change on Water Conservation: A Case Study of Zhangjiakou in Yongding River. Sustainability, 2021, 13, 22.	1.6	16
5055	Modeling and Prioritizing Interventions Using Pollution Hotspots for Reducing Nutrients, Atrazine and E. coli Concentrations in a Watershed. Sustainability, 2021, 13, 103.	1.6	8
5056	Comparison of RUSLE and MMF Soil Loss Models and Evaluation of Catchment Scale Best Management Practices for a Mountainous Watershed in India. Sustainability, 2021, 13, 232.	1.6	24
5057	The Calibration of Evaporation Models against the Penman-Monteith Equation on Lake Most. Sustainability, 2021, 13, 313.	1.6	16
5058	On the Relationship between Suspended Sediment Concentration, Rainfall Variability and Groundwater: An Empirical and Probabilistic Analysis for the Andean Beni River, Bolivia (2003-2016). Water (Switzerland), 2019, 11, 2497.	1.2	4
5059	Development of Water Level Prediction Models Using Machine Learning in Wetlands: A Case Study of Upo Wetland in South Korea. Water (Switzerland), 2020, 12, 93.	1.2	68
5060	A 2D Real-Time Flood Forecast Framework Based on a Hybrid Historical and Synthetic Runoff Database. Water (Switzerland), 2020, 12, 114.	1.2	7
5061	Estimation of Annual Maximum and Minimum Flow Trends in a Data-Scarce Basin. Case Study of the Allipato River Watershed, Chile. Water (Switzerland), 2020, 12, 162.	1.2	4
5062	A Comparison of Streamflow and Baseflow Responses to Land-Use Change and the Variation in Climate Parameters Using SWAT. Water (Switzerland), 2020, 12, 191.	1.2	36
5063	Multi-Objective Optimization for Selecting and Siting the Cost-Effective BMPs by Coupling Revised CWLF Model and NSGAII Algorithm. Water (Switzerland), 2020, 12, 235.	1.2	11
5064	Climate Change Impacts on Reservoir Inflow in the Prairie Pothole Region: A Watershed Model Analysis. Water (Switzerland), 2020, 12, 271.	1.2	12
5065	Monthly Flow Duration Curve Model for Ungauged River Basins. Water (Switzerland), 2020, 12, 338.	1.2	21
5066	A Comparative Study of Statistical Methods for Daily Streamflow Estimation at Ungauged Basins in Turkey. Water (Switzerland), 2020, 12, 459.	1.2	22
5067	Winter Inputs Buffer Streamflow Sensitivity to Snowpack Losses in the Salt River Watershed in the Lower Colorado River Basin. Water (Switzerland), 2021, 13, 3.	1.2	18
5068	Assessing the Effectiveness and Cost Efficiency of Green Infrastructure Practices on Surface Runoff Reduction at an Urban Watershed in China. Water (Switzerland), 2021, 13, 24.	1.2	16
5069	Development on an Automatic Calibration Module of the SWMM for Watershed Runoff Simulation and Water Quality Simulation. Journal of Korea Water Resources Association, 2014, 47, 343-356.	0.3	8
5070	Simulation of Agricultural Water Supply Considering Yearly Variation of Irrigation Efficiency. Journal of Korea Water Resources Association, 2015, 48, 425-438.	0.3	8
5071	Improving Initial Abstraction Method of NRCS-CN for Estimating Effective Rainfall. Journal of Korea Water Resources Association, 2015, 48, 491-500.	0.3	2

#	ARTICLE	IF	CITATIONS
5072	Estimation of spatial evapotranspiration using Terra MODIS satellite image and SEBAL model in mixed forest and rice paddy area. <i>Journal of Korea Water Resources Association</i> , 2016, 49, 227-239.	0.3	4
5073	Assessing the Effects of Land Use Changes on Non-Point Source Pollution Reduction for the Three Gorges Watershed Using the SWAT Model. <i>Journal of Environmental Informatics</i> , 2013, 22, 13-26.	6.0	24
5074	The Hillslope Length Impact on SWAT Streamflow Prediction in Large Basins. <i>Journal of Environmental Informatics</i> , 0, , .	6.0	9
5075	Water Quality Management of a Cold Climate Region Watershed in Changing Climate. <i>Journal of Environmental Informatics</i> , 0, , .	6.0	25
5076	Hydrological simulation of a small forested catchment under different land use and forest management. <i>IForest</i> , 2020, 13, 301-308.	0.5	2
5077	AN APPROACH TO THE MODEL USE FOR MEASURING SUSPENDED SEDIMENT YIELD IN UNGAUGED CATCHMENTS. <i>American Journal of Environmental Sciences</i> , 2013, 9, 367-376.	0.3	1
5079	Soil losses in rainfed Mediterranean vineyards under climate change scenarios. The effects of drainage terraces.. <i>AIMS Agriculture and Food</i> , 2016, 1, 124-143.	0.8	14
5081	Comparaci3n de la eficiencia cient3fica entre Colombia y M3xico a trav3s de indicadores relativos de producci3n y calidad cient3fica. <i>Revista Espanola De Documentacion Cientifica</i> , 2020, 43, 262.	0.1	7
5082	Optimization of Windspeed Prediction Using an Artificial Neural Network Compared With a Genetic Programming Model. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2018, , 328-359.	0.4	1
5083	HEC-HMS model for runoff simulation in a tropical catchment with intra-basin diversions " case study of the Deduru Oya river basin, Sri Lanka. <i>Engineer: Journal of the Institution of Engineers, Sri Lanka</i> , 2015, 48, 1.	0.1	19
5084	A neuro-fuzzy model to predict the inflow to the guardalfiera multipurpose dam (Southern Italy) at medium-long time scales. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	1
5085	Mechanism of nutrients supply from the Tokachi River catchment considering characteristics of discharge and land use. <i>Journal of Japanese Association of Hydrological Sciences</i> , 2013, 43, 3-24.	0.2	1
5086	Evaluating Multi-Scale Flow Predictions for the Connecticut River Basin. <i>Hydrology Current Research</i> , 2015, 06, .	0.4	2
5087	Evaluation of Swat Performance on a Mountainous Watershed in Tropical Africa. <i>Hydrology Current Research</i> , 0, s3, .	0.4	6
5088	On the Downscaling of Meteorological Fields Using Recurrent Networks for Modelling the Water Balance in a Meso-Scale Catchment Area of Saxony, Germany. <i>Atmospheric and Climate Sciences</i> , 2013, 03, 552-561.	0.1	2
5089	Impacts of Climate Change on the Hydrology of a Small Brazilian Headwater Catchment Using the Distributed Hydrology-Soil-Vegetation Model. <i>American Journal of Climate Change</i> , 2018, 07, 355-366.	0.5	11
5090	Application of SWAT to Assess the Effects of Land Use Change in the Murchison Bay Catchment in Uganda. <i>Computational Water Energy and Environmental Engineering</i> , 2017, 06, 24-40.	0.4	41
5091	Stream-Flow Response to Climate Change and Human Activities in an Upstream Catchment of Huai River. <i>Journal of Geoscience and Environment Protection</i> , 2014, 02, 68-78.	0.2	1

#	ARTICLE	IF	CITATIONS
5092	Hydrologic Modeling Using SWAT and GIS, Application to Subwatershed Bab-Merzouka (Sebou,) Tj ETQq0 0 0 rgBT/Qverlock, 10 Tf 50 7	0.3	12
5093	Sensitivity Analysis and Evaluation of Forest Biomass Production Potential Using SWAT Model. Journal of Sustainable Bioenergy Systems, 2014, 04, 136-147.	0.2	7
5094	Identification of Inundation Hazard Zones in Manas Basin, China, Using Hydrodynamic Modeling and Remote Sensing. Journal of Water Resource and Protection, 2013, 05, 469-473.	0.3	1
5095	Sediment Yield Dynamics during the 1950s Multi-Year Droughts from Two Ungauged Basins in the Edwards Plateau, Texas. Journal of Water Resource and Protection, 2015, 07, 1345-1362.	0.3	4
5096	Application of SWAT Model to the Olifants Basin: Calibration, Validation and Uncertainty Analysis. Journal of Water Resource and Protection, 2016, 08, 397-410.	0.3	26
5097	Distributed Hydrological Model for Assessing Flood Hazards in Laos. Journal of Water Resource and Protection, 2019, 11, 937-958.	0.3	9
5098	Demand and Supply of Water for Agriculture: Influence of Topography and Climate in Pre-Alpine, Mesoscale Catchments. Natural Resources, 2012, 03, 145-155.	0.2	6
5099	Modeling the impacts of climate variability and hurricane on carbon sequestration in a coastal forested wetland in South Carolina. Natural Science, 2013, 05, 375-388.	0.2	6
5100	Estimation of Glacier Melt Water Contribution for Human Consumption in the Royal Andes Considering Temperature Measurement Errors. Open Journal of Modern Hydrology, 2014, 04, 27-43.	0.4	3
5101	Assessing the Hydrology of a Data-Scarce Tropical Watershed Using the Soil and Water Assessment Tool: Case of the Little Ruaha River Watershed in Iringa, Tanzania. Open Journal of Modern Hydrology, 2017, 07, 65-89.	0.4	16
5102	An Overview of Recently Developed Coupled Simulation Optimization Approaches for Reliability Based Minimum Cost Design of Water Retaining Structures. Open Journal of Optimization, 2018, 07, 79-112.	0.3	3
5103	Test of the Rosetta Pedotransfer Function for Saturated Hydraulic Conductivity. Open Journal of Soil Science, 2012, 02, 203-212.	0.3	15
5104	Spatial-Temporal Sediment Hydrodynamics and Nutrient Loads in Nyanza Gulf, Characterizing Variation in Water Quality. World Journal of Engineering and Technology, 2018, 06, 98-115.	0.3	4
5105	The morphology and morphodynamics of sand-gravel subaquatic dunes: the Raba River estuary, Poland. GEOREVIEW: Scientific Annals of Stefan Cel Mare University of Suceava Geography Series, 2013, 21, 8.	0.0	3
5107	A novel method for cell counting of Microcystis colonies in water resources using a digital imaging flow cytometer and microscope. Environmental Engineering Research, 2019, 24, 397-403.	1.5	16
5108	Application of transform software for downscaling global climate model EdGCM results in north-eastern Bangladesh. Environmental Engineering Research, 2021, 26, .	1.5	2
5110	Integrating heterogeneous landscape characteristics into watershed scale modelling. Advances in Geosciences, 0, 31, 31-38.	12.0	4
5111	SWAT model calibration of a grid-based setup. Advances in Geosciences, 0, 32, 55-61.	12.0	18

#	ARTICLE	IF	CITATIONS
5116	A database of water and heat observations over grassland in the north-east of Japan. <i>Earth System Science Data</i> , 2018, 10, 2295-2309.	3.7	4
5117	A 439-year simulated daily discharge dataset (1861–2299) for the upper Yangtze River, China. <i>Earth System Science Data</i> , 2020, 12, 387-402.	3.7	7
5122	Hydrological evaluation of open-access precipitation data using SWAT at multiple temporal and spatial scales. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3603-3626.	1.9	34
5123	Climate-dependent propagation of precipitation uncertainty into the water cycle. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3725-3735.	1.9	14
5124	A field-validated surrogate crop model for predicting root-zone moisture and salt content in regions with shallow groundwater. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4213-4237.	1.9	11
5125	Physically based model for gully simulation: application to the Brazilian semiarid region. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4239-4255.	1.9	13
5126	Risk assessment in water resources planning under climate change at the J�car River basin. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5297-5315.	1.9	9
5166	ESTIMATION OF PHOSPHORUS EMISSIONS IN THE UPPER IGUAZU BASIN (BRAZIL) USING GIS AND THE MORE MODEL. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 299-304.	0.2	1
5167	COMPARATIVE ASSESSMENT OF RUNOFF AND ITS COMPONENTS IN TWO CATCHMENTS OF UPPER INDUS BASIN BY USING A SEMI DISTRIBUTED GLACIO-HYDROLOGICAL MODEL. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W7, 1487-1494.	0.2	7
5168	EFFECT OF CLIMATE CHANGE ON POTENTIAL EVAPOTRANSPIRATION IN THE UPPER BEAS BASIN OF THE WESTERN INDIAN HIMALAYA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W6, 51-57.	0.2	4
5169	BEYOND FLOOD HAZARD MAPS: DETAILED FLOOD CHARACTERIZATION WITH REMOTE SENSING, GIS AND 2D MODELLING. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-4/W1, 315-323.	0.2	9
5170	Retrospective Analysis of Recent Flood Events With Persistent High Surface Runoff From Hydrological Modelling. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-8, 359-365.	0.2	1
5171	EXPLORING CLIMATE CHANGE EFFECTS ON WATERSHED SEDIMENT YIELD AND LAND COVER-BASED MITIGATION MEASURES USING SWAT MODEL, RS AND GIS: CASE OF CAGAYAN RIVER BASIN, PHILIPPINES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXIX-B8, 193-198.	0.2	5
5173	Assessment of land-use change on streamflow using GIS, remote sensing and a physically-based model, SWAT. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 364, 38-43.	1.0	8
5174	Simulation of hydrosedimentological impacts caused by climate change in the Apucarantina River watershed, southern Brazil. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 367, 366-373.	1.0	1
5175	Estimation of long-term nutrient loadings into a hyper eutrophic artificial lake in a lowland catchment, western Japan. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 368, 337-342.	1.0	1
5176	Extreme flood estimations on a small alpine catchment in Switzerland, the case study of Limmerboden. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 370, 147-152.	1.0	5
5177	Evaluation of drought impact on groundwater recharge rate using SWAT and Hydrus models on an agricultural island in western Japan. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 371, 143-148.	1.0	4

#	ARTICLE	IF	CITATIONS
5178	Land cover and climate change effects on streamflow and sediment yield: a case study of Tapacurã River basin, Brazil. Proceedings of the International Association of Hydrological Sciences, 0, 371, 189-193.	1.0	3
5179	A snow and ice melt seasonal prediction modelling system for Alpine reservoirs. Proceedings of the International Association of Hydrological Sciences, 0, 374, 143-150.	1.0	4
5180	Assessment of impacts of climate change on surface water availability using coupled SWAT and WEAP models: case of upper Pangani River Basin, Tanzania. Proceedings of the International Association of Hydrological Sciences, 0, 378, 23-27.	1.0	14
5181	Response of streamflow to climate change in a sub-basin of the source region of the Yellow River based on a tank model. Proceedings of the International Association of Hydrological Sciences, 0, 379, 231-241.	1.0	2
5182	Modeling hydrologic processes and potential responses to climate change in an agro-silvo-pastoral watershed in the Mediterranean area. Proceedings of the International Association of Hydrological Sciences, 0, 383, 151-158.	1.0	1
5183	Climate and Land use Changes Impacts on Hydrology in a Rural Small Watershed. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 75-84.	0.1	5
5184	Assessing Applicability of SWAT Calibrated at Multiple Spatial Scales from Field to Stream. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 21-39.	0.1	2
5185	Regression Equations for Estimating the TANK Model Parameters. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 121-133.	0.1	4
5186	Large Scale SWAT Watershed Modeling Considering Multi-purpose Dams and Multi-function Weirs Operation - For Namhan River Basin -. Journal of the Korean Society of Agricultural Engineers, 2016, 58, 21-35.	0.1	6
5187	Calibrating a flow model in an irrigation network: Case study in Alicante, Spain. Spanish Journal of Agricultural Research, 2017, 15, e1202.	0.3	9
5188	HYDROLOGICAL PERFORMANCE OF A PERMEABLE PAVEMENT IN MEDITERRANEAN CLIMATE. , 2014, , .		4
5189	Improving Accuracy of Complex Network Modeling Using Maximum Likelihood Estimation and Expectation-Maximization. Discontinuity, Nonlinearity, and Complexity, 2014, 3, 169-221.	0.1	3
5190	Nonlinearity in storage- discharge relationship and its influence on flood hydrograph prediction in mountainous catchments. International Journal of Water Resources and Environmental Engineering, 2012, 4, .	0.2	2
5191	Runoff Prediction in Ungauged Watersheds Using Remote Sensor Datasets. Journal of Water Resource and Hydraulic Engineering, 2015, 4, 257-264.	0.2	1
5192	Continuous Hydrological Modeling using Soil Moisture Accounting Algorithm in Vamsadhara River Basin, India. Journal of Water Resource and Hydraulic Engineering, 2015, 4, 398-408.	0.2	17
5193	Managing Water Quality in the Face of Uncertainty: A Robust Decision Making Demonstration for EPA's National Water Program. , 2015, , .		13
5194	Developing best practice for infilling daily river flow data. , 0, , .		6
5195	Simulated mussel mortality thresholds as a function of mussel biomass and nutrient loading. PeerJ, 2017, 5, e2838.	0.9	6

#	ARTICLE	IF	CITATIONS
5196	Comparing CMIP-3 and CMIP-5 climate projections on flooding estimation of Devils Lake of North Dakota, USA. PeerJ, 2018, 6, e4711.	0.9	12
5197	Watershed Modeling of Surface Water-Groundwater Interaction under Projected Climate Change and Water Management in the Haihe River Basin, China. British Journal of Environment and Climate Change, 2013, 3, 421-443.	0.3	6
5198	Stream Flow Response to Skilled and Non-linear Bias Corrected GCM Precipitation Change in the Wami River Sub-basin, Tanzania. British Journal of Environment and Climate Change, 2014, 4, 389-408.	0.3	13
5199	Measuring and Modeling Shallow Groundwater Flow between a Semi-Karst Border Stream and Ozark Forested Riparian Zone in the Central USA. Journal of Scientific Research and Reports, 2014, 3, 844-865.	0.2	3
5200	Development of Storm Sewer-Network Extraction Tool(SS-NET) for Creating Pipe Network Input Data of Urban Rainfall-Runoff Model. Korean Society of Hazard Mitigation, 2017, 17, 79-86.	0.1	2
5201	IMPUTATION OF CONTIGUOUS GAPS AND EXTREMES OF SUBHOURLY GROUNDWATER TIME SERIES USING RANDOM FORESTS. Journal of Machine Learning for Modeling and Computing, 2022, 3, 1-22.	0.9	12
5202	Application of the HEC-HMS hydrological model in the Beht watershed (Morocco). E3S Web of Conferences, 2021, 314, 05003.	0.2	1
5203	Predicting future dry season periods for irrigation management in West Sumatra, Indonesia. Paddy and Water Environment, 2021, 19, 683-697.	1.0	1
5204	Temporal Influences of Vegetation Cover (C) Dynamism on MUSLE Sediment Yield Estimates: NDVI Evaluation. Water (Switzerland), 2021, 13, 2707.	1.2	4
5205	Spatiotemporal Pattern Mining for Nowcasting Extreme Earthquakes in Southern California. , 2021, , .		1
5206	Using Artificial Neural Networks for the Estimation of Subsurface Tidal Currents from High-Frequency Radar Surface Current Measurements. Remote Sensing, 2021, 13, 3896.	1.8	4
5207	Application of Artificial Intelligence Models for modeling Water Quality in Groundwater: Comprehensive Review, Evaluation and Future Trends. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	26
5208	Assessing the Effects of Climate Change on Compound Flooding in Coastal River Areas. Water Resources Research, 2021, 57, .	1.7	31
5209	Predicting the Flow Velocity at the Toe of a Labyrinth Stepped Spillway. Journal of Engineering Research, 2021, 18, 20-25.	0.2	0
5210	Investigation of Forecast Accuracy and its Impact on the Efficiency of Data-Driven Forecast-Based Reservoir Operating Rules. Water (Switzerland), 2021, 13, 2737.	1.2	5
5211	Increased Ecosystem Carbon Storage between 2001 and 2019 in the Northeastern Margin of the Qinghai-Tibet Plateau. Remote Sensing, 2021, 13, 3986.	1.8	13
5212	Evaluation of the Streamflow Simulation by SWAT Model for Selected Catchments in Mahaweli River Basin, Sri Lanka. Water Conservation Science and Engineering, 2021, 6, 233-248.	0.9	6
5213	Multi-time-scale input approaches for hourly-scale rainfall-runoff modeling based on recurrent neural networks. Journal of Hydroinformatics, 0, , .	1.1	2

#	ARTICLE	IF	CITATIONS
5214	Correlation Analysis between Hydrologic Flow Metrics and Benthic Macroinvertebrates Index (BMI) in the Han River Basin, South Korea. <i>Sustainability</i> , 2021, 13, 11477.	1.6	6
5215	Development of Predictive Models for Water Budget Simulations of Closed-Basin Lakes: Case Studies of Lakes Azuei and Enriquillo on the Island of Hispaniola. <i>Hydrology</i> , 2021, 8, 148.	1.3	6
5216	Effect of land use change on hydrology of forested watersheds. <i>Ecohydrology</i> , 2022, 15, e2367.	1.1	8
5217	Use of an ear-tag accelerometer and a radio-frequency identification (RFID) system for monitoring the licking behaviour in grazing cattle. <i>Applied Animal Behaviour Science</i> , 2021, 244, 105491.	0.8	12
5218	Maize productivity analysis in response to climate change under different nitrogen management strategies. <i>Journal of Agrometeorology</i> , 2021, 23, 279-285.	0.2	0
5219	Exploring and Predicting the Individual, Combined, and Synergistic Impact of Land-Use Change and Climate Change on Streamflow, Sediment, and Total Phosphorus Loads. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	5
5220	MAPEAMENTO DA PRECIPITAÇÃO NO ESTADO DE ALAGOAS POR MEIO DE TÉCNICAS GEOESTATÍSTICAS. <i>Revista UniVap</i> , 2021, 27, .	0.1	1
5221	A method to compute the effect of vertical mulching on the reduction of surface runoff. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 702.	1.3	1
5222	Modelling the Impact of Vegetation Change on Hydrological Processes in Bayin River Basin, Northwest China. <i>Water (Switzerland)</i> , 2021, 13, 2787.	1.2	4
5223	Partially penetrating lake-aquifer interaction in a laboratory-scale tidal setting. <i>Journal of Hydrology</i> , 2021, 603, 127080.	2.3	3
5224	Effectiveness of signs of activity as relative abundance indices for wild boar. <i>Wildlife Biology</i> , 2021, 2021, .	0.6	6
5225	Automated modelling of urban runoff based on domain knowledge and equation discovery. <i>Journal of Hydrology</i> , 2021, 603, 127077.	2.3	5
5226	Effects of climate and land use changes on water quantity and quality of coastal watersheds of Narragansett Bay. <i>Science of the Total Environment</i> , 2022, 807, 151082.	3.9	14
5227	The Reconstruction and Extension of Terrestrial Water Storage Based on a Combined Prediction Model. <i>Water Resources Management</i> , 2021, 35, 5291-5306.	1.9	3
5228	Impacts of rainfall spatial and temporal variabilities on runoff quality and quantity at the watershed scale. <i>Journal of Hydrology</i> , 2021, 603, 127057.	2.3	15
5229	Implementing a Proxy-Basin Strategy to Assess the Transposability of a Hydrological Model in Geographically Similar Catchments. <i>Sustainability</i> , 2021, 13, 11393.	1.6	0
5230	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. <i>Atmosphere</i> , 2021, 12, 1334.	1.0	3
5231	Impact of Climate Change on Water Availability in Water Source Areas of the South-to-North Water Diversion Project in China. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	9

#	ARTICLE	IF	CITATIONS
5232	SWAT-SF: A flexible SWAT-based model for watershed-scale water and soil salinity modeling. <i>Journal of Contaminant Hydrology</i> , 2021, 244, 103893.	1.6	4
5233	Simulated longleaf pine (<i>Pinus palustris</i> Mill.) restoration increased streamflow—A case study in the Lower Flint River Basin. <i>Ecohydrology</i> , 2022, 15, .	1.1	10
5234	Estimation of the area-specific suspended sediment yield from discrete samples in different regions of Belgium. <i>Journal of Soils and Sediments</i> , 2022, 22, 704-729.	1.5	1
5235	Validation of Three Daily Satellite Rainfall Products in a Humid Tropic Watershed, Brantas, Indonesia: Implications to Land Characteristics and Hydrological Modelling. <i>Hydrology</i> , 2021, 8, 154.	1.3	15
5236	Effect of GCM credibility on water resource system robustness under climate change based on decision scaling. <i>Advances in Water Resources</i> , 2021, 158, 104063.	1.7	9
5237	Stormwater Runoff Modelling in an Urban Catchment to Plan Risk Management for Contaminant Spills for Stormwater Harvesting. <i>Water (Switzerland)</i> , 2021, 13, 2865.	1.2	1
5238	Model-Driven Strategies for Sulfide Control in a Regional Wastewater System Receiving Tannery Effluents in Portugal. <i>Water (Switzerland)</i> , 2021, 13, 2838.	1.2	0
5239	Impacts of urbanization and climate change on water quantity and quality in the Carp River watershed. <i>Journal of Water and Climate Change</i> , 2022, 13, 786-816.	1.2	10
5240	Evaluation of Ecosystem-Based Adaptation Measures for Sediment Yield in a Tropical Watershed in Thailand. <i>Water (Switzerland)</i> , 2021, 13, 2767.	1.2	7
5241	Explosives Use in Decommissioning—Guide for Assessment of Risk (EDGAR): I Determination of Sound Pressure Levels for Open Water Blasts and Severance of Conductors and Piles from Below the Seabed. <i>Modelling</i> , 2021, 2, 514-533.	0.8	1
5242	Assessments of multiple gridded rainfall datasets for characterizing the precipitation concentration index and its trends in India. <i>International Journal of Climatology</i> , 2022, 42, 3147-3172.	1.5	8
5243	Modelling and Incorporating the Variable Demand Patterns to the Calibration of Water Distribution System Hydraulic Model. <i>Water (Switzerland)</i> , 2021, 13, 2890.	1.2	11
5244	Modeling Climate Change Impacts on Water Balance of a Mediterranean Watershed Using SWAT+. <i>Hydrology</i> , 2021, 8, 157.	1.3	19
5245	Soft Data in Hydrologic Modeling: Prediction of Ecologically Relevant Flows with Alternate Land Use/Land Cover Data. <i>Water (Switzerland)</i> , 2021, 13, 2947.	1.2	2
5246	Impact of climate change on stormwater drainage in urban areas. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 77-96.	1.9	12
5247	Robustness of a parsimonious subsurface drainage model at the French national scale. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5447-5471.	1.9	6
5248	Stream flow dynamics under current and future land cover conditions in Atsela Watershed, Northern Ethiopia. <i>Acta Geophysica</i> , 2022, 70, 305-318.	1.0	7
5249	Hydrological simulation evaluation with WRF-Hydro in a large and highly complicated watershed: The Xijiang River basin. <i>Journal of Hydrology: Regional Studies</i> , 2021, 38, 100943.	1.0	4

#	ARTICLE	IF	CITATIONS
5250	Improving streamflow and flood simulations in three headwater catchments of the Tarim River based on a coupled glacier-hydrological model. <i>Journal of Hydrology</i> , 2021, 603, 127048.	2.3	17
5251	Quantifying the impacts of anthropogenic changes and climate variability on runoff changes in central plateau of Iran using nine methods. <i>Journal of Hydrology</i> , 2021, 603, 127045.	2.3	17
5252	Performance of hydrological models in fluvial flow simulation. <i>Ecological Informatics</i> , 2021, 66, 101453.	2.3	4
5253	Evaluating the added value of multi-variable calibration of SWAT with remotely sensed evapotranspiration data for improving hydrological modeling. <i>Journal of Hydrology</i> , 2021, 603, 127046.	2.3	32
5254	Yield and evapotranspiration characteristics of potato-legume intercropping simulated using a dual coefficient approach in a tropical highland. <i>Field Crops Research</i> , 2021, 274, 108327.	2.3	13
5255	Improving Urban Flood Resilience under Climate Change Scenarios in a Tropical Watershed Using Low-Impact Development Practices. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	10
5259	Applicability of Satellite SAR Imagery for Estimating Reservoir Storage. <i>Journal of the Korean Society of Agricultural Engineers</i> , 2011, 53, 7-16.	0.1	2
5261	Quantifying Soil Moisture Distribution at a Watershed Scale. , 0, , .		0
5262	The Environmental Impact of El Nino Southern Oscillation Forecasts. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
5264	Effects of climate change on nutrient discharges in suburban watershed. <i>Japanese Journal of Limnology</i> , 2012, 73, 235-254.	0.1	2
5266	Bacterial loading during flooding: a case study from 2010 on the Bi-national Rio Grande. , 2012, , .		0
5267	Snow Melting Simulation of Gwangdong Dam Basin in the Spring Season Using Developed K-DRUM Model. <i>Journal of the Korean Society of Civil Engineers</i> , 2012, 32, 355-361.	0.1	2
5268	Estimation of Extreme Flows in Nkana River to Verify the Adequacy of Namingâ€™ongo Bridge Waterway. <i>Engineering</i> , 2013, 05, 299-302.	0.4	0
5269	Scale Effects of STATSGO and SSURGO on Flow and Water Quality Predictions. <i>Journal of Water Resource and Protection</i> , 2013, 05, 266-274.	0.3	0
5271	A Study on the Sediment Deposition Height Computation at Gunsan Port Using EFDC. <i>Journal of Korea Water Resources Association</i> , 2013, 46, 531-545.	0.3	3
5272	Spatial Extension of Runoff Data in the Applications of a Lumped Concept Model. <i>Journal of Korea Water Resources Association</i> , 2013, 46, 921-932.	0.3	5
5273	Estimation of the Statistical Distribution Used in Hydrology Using Kernel Functions. <i>Mathematical Modelling in Civil Engineering</i> , 2013, 9, 1-7.	0.1	0
5275	USO DO MODELO WEATHER RESEARCH AND FORECASTING (WRF) PARA CIRCULAÃƒfO SUPERFICIAL EM FORTALEZA DURANTE O PROJETO CHUVA. <i>CiÃªncia E Natura</i> , 2013, .	0.0	0

#	ARTICLE	IF	CITATIONS
5276	An evaluation of hydrological models for predicting mean-annual runoff and flood quantiles for water quality modelling. , 0, , .		0
5277	Evaluation of Simhyd, Sacramento and GR4J rainfall runoff models in two contrasting Great Barrier Reef catchments. , 0, , .		1
5278	Assessment of Flood Risk Areas in the Dniester River Basin (in the Limits of the Republic of Moldova). Water Science and Technology Library, 2014, , 157-173.	0.2	0
5280	Impact Assessment of Hydrology and Water Quality in the Saugahatchee Creek under Projected Land Use and Climate Change Scenarios Using WARMF. British Journal of Environment and Climate Change, 2014, 4, 360-388.	0.3	0
5281	Calibration of DRAINMOD in South Dakota for Houdek Soil Series (State Soil of South Dakota). , 2014, , .		0
5285	Simulation Conditions based Characteristics of Spatial Flood Data Extension. Journal of Korea Water Resources Association, 2014, 47, 501-511.	0.3	5
5288	A Review On Accuracy and Uncertainty of Spatial Data and Analyses with special reference to Urban and Hydrological Modelling. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-8, 171-178.	0.0	3
5289	Modeling Daily Streamflow in Wastewater Reused Watersheds Using System Dynamics. Journal of the Korean Society of Agricultural Engineers, 2014, 56, 45-53.	0.1	0
5291	Long Term Soil and Water Assessment Tool (SWAT) Calibration from an Ecohydrology Perspective. Open Journal of Applied Sciences, 2015, 05, 344-354.	0.2	2
5292	Dam Effects on Spatial Extension of Flood Discharge Data and Flood Reduction Scale I. Journal of Korea Water Resources Association, 2015, 48, 209-220.	0.3	2
5293	Effect of NPS Loadings from Livestock on Small Watersheds. Journal of the Korean Society of Agricultural Engineers, 2015, 57, 27-36.	0.1	1
5294	MONTHLY REFERENCE EVAPOTRANSPIRATION MODELING USING GENE EXPRESSION PROGRAMMING FROM MINIMUM CLIMATIC DATA. Journal of Soil Sciences and Agricultural Engineering, 2015, 6, 569-589.	0.0	0
5295	Mechanisms of Spring Discharge at the Headwater of the Shiokawa River: Quantitative Verification by Short-Term Intensive Observation and a Numerical Model. Geographical Review of Japan Series A, 2015, 88, 217-234.	0.4	0
5297	Simulation of Snow Ablation Processes in the Upstream of Kunes River, Yili Valley, Xinjiang. , 2015, , .		0
5298	Impact Assessment of BMP Scenarios on Sediment Yield in the Mohgaon Watershed. International Journal of Engineering Research & Technology, 2015, V4, .	0.2	1
5299	Can Watershed Models Aid in Determining Historic Lake Sediment Concentrations in Data-Scarce Areas?. Springer Geography, 2016, , 819-833.	0.3	0
5300	Parameteric Assessment of Water Use Vulnerability of South Korea using SWAT model and TOPSIS. Journal of Korea Water Resources Association, 2015, 48, 647-657.	0.3	4
5301	Development of a Hybrid Watershed Model STREAM: Test Application of the Model. Journal of Korean Neuropsychiatric Association, 2015, 31, 507-522.	0.2	1

#	ARTICLE	IF	CITATIONS
5303	Towards reliable hydrological model calibrations with river level measurements. , 0, , .		0
5304	Design and Implementation of IoT-Based Intelligent Platform for Water Level Monitoring. Journal of Korean Society of Rural Planning, 2015, 21, 177-186.	0.0	4
5305	Simulation of Temperature and Precipitation under the Climate Change Scenarios. Advances in Computer and Electrical Engineering Book Series, 2016, , 465-491.	0.2	1
5306	Phosphorus Modeling in Tile Drained Agricultural Systems Using APEX. Journal of Fertilizers & Pesticides, 2016, 07, .	0.2	1
5307	Khá»o sÁjt má»í tÆÆjng quan giá»a hÃm lÆ°á»ng lÃ¢n vÃ hoá»jt tÃnh enzyme phosphatase trÃn Á'á»t phÃn chuyÃn canh khÃn TÃn PhÆ°á»c - Tiá»n Giang. Tap Chi Khoa Hoc = Journal of Science, 2016, 43, 45.	0.1	1
5308	Dynamic Modelling of Dengue Epidemics in Function of Available Enthalpy and Rainfall. Open Journal of Epidemiology, 2016, 06, 50-79.	0.2	3
5309	PRZEBIEG SYMULACJI KOMPUTEROWEJ PROCESU OCZYSZCZANIA SCIEKÃW KOMUNALNYCH W REAKTORZE OSADU CZYNNEGO. Journal of Civil Engineering, Environment and Architecture, 2016, , .	0.0	0
5310	Spatio-temporal Variability Modelling of Sediment Yield in a Semi Arid River Basin: The Swat Approach. , 2016, , .		0
5311	TÃ-nh hÃ-nh nhiá»...m cá»su trÃng trÃn gÃ nuÃí cÃng nghiá»p tá»i tá»%nh VÃ©nh Long. Tap Chi Khoa Hoc = Journal of Science, 2016, NÃng nghiá»p 2016, 11.	0.1	1
5312	Rainfall Trend Analysis in the Region of Curitiba Using Regional Climate Model Scenarios. Green Energy and Technology, 2016, , 193-208.	0.4	1
5313	Budyko YaklaÃ±mÃ±na Dayanan Bir Su BÃ¼tÃ¶sesi Modeli ve ParÃ¶acÃ±k SÃ¼rÃ¼ Optimizasyonu AlgoritmasÃ± ile Kalibrasyonu. DoÃYal Afetler Ve Åevre Dergisi, 2016, 2, 1.	0.2	1
5315	Hydrologic Modeling for Agricultural Reservoir Watersheds Using the COMFARM. Journal of the Korean Society of Agricultural Engineers, 2016, 58, 71-80.	0.1	0
5316	Assessment of the influence of wastewater control options on TietÃª River water quality. , 2016, , .		0
5318	ESTIMATIVA DE FLUXO DE CALOR LATENTE EM RESERVATÃRIOS ATRAVÃS DE UMA REDE NEURAL ARTIFICIAL. CiÃncia E Natura, 0, 38, 361.	0.0	0
5319	Water temperature assessment on the small ecological stream under climate change. Journal of Wetlands Research, 2016, 18, 313-323.	0.2	0
5320	Modelling Agriâ€Environmental Measures for Minimizing Soil Erosion While Protecting Valuable Agricultural Land. , 0, , .		0
5321	Impact of climate change on hydrology of Manjalar sub basin of river Vaigai in Tamil Nadu, India. Journal of Applied and Natural Science, 2016, 8, 1670-1679.	0.2	2
5322	Statistical and Hydrologic Evaluation of TRMM Based Multisatellite Precipitation Analysis over the Wangchu Basin of Bhutan. , 2016, , 103-125.		0

#	ARTICLE	IF	CITATIONS
5323	Distributed Hydrological Modelling Under Hypothetical Climate Change Scenario for a Sub-basin of the Brahmaputra River. , 2017, , 219-247.		0
5324	Uncertainties of SWAT Model in Irrigated Paddy Field Watershed. Jurnal Irigasi, 2016, 11, 11.	0.2	0
5325	Incremental forest: a DSL for efficiently managing filestores. ACM SIGPLAN Notices, 2016, 51, 252-271.	0.2	2
5326	Evaluation of Pollution Loads Removal Efficiency of Vegetation Buffer Strips Using a Distributed Watershed Model. Journal of Environmental Impact Assessment, 2016, 25, 369-383.	0.3	0
5327	ONE-DIMENSIONAL ANALYSIS OF SOIL TEMPERATURE BASED ON THE LABORATORY EXPERIMENT FOR SNOW MELTING. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2017, 73, I_25-I_30.	0.0	0
5329	Estimated Carbon Sequestration in a Temperate Forest in Idaho of USA. Natural Science, 2017, 09, 421-436.	0.2	0
5330	SIMULATING STREAMFLOW IN RESPONSE TO CLIMATE CHANGE IN THE UPPER EWASO NGIRO CATCHMENT, KENYA. Journal of Climate Change and Sustainability, 2017, 1, 11-28.	0.0	3
5331	Evaluating the Applicability of the DNDC Model for Estimation of CO2 Emissions from the Paddy Field in Korea. Hangug Hwangyeong Saengmul Haghoeji, 2017, 35, 13-20.	0.1	0
5333	The urban hydrological response unit parameters calibration and verification for conceptual hydrological model METQ. , 2017, , .		1
5334	Resource communication: Variability in estimated runoff in a forested area based on different cartographic data sources. Forest Systems, 2017, 26, eRC02.	0.1	1
5336	Quantification of surface runoff in Patiala-Ki-Rao watersheds using modified NRCS model: a case study. Journal of Applied and Natural Science, 2017, 9, 1573-1581.	0.2	1
5337	Simulation of Discharge and Nitrate in Tallar Basin using SWAT Model. Journal of Watershed Management Research, 2017, 8, 45-60.	0.0	4
5338	Developing a new total sediment transport formula. , 2017, , .		0
5339	Calibration and validation of a semi-distributed hydrological model in the Amur River Basin using remote sensing data. , 2017, , .		0
5340	Analysis of Water Regime Modification Induced by Long-Term Development of Vegetation Cover. International Journal of Hydrology, 2017, 1, .	0.2	0
5341	Flood Risk for Power Plant using the Hydraulic Model and Adaptation Strategy. Journal of Climate Change Research, 2017, 8, 287-295.	0.1	0
5343	EVALUATION AND SENSITIVITY ANALYSIS FOR SURFACE AND BOTTOM SNOWMELT PROCESS BY RUNOFF ANALYSIS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_313-I_318.	0.0	0
5344	Modeling Urban Sewers with Artificial Fractal Geometries. Journal of Water Management Modeling, 0, , .	0.0	3

#	ARTICLE	IF	CITATIONS
5345	Analysis of Climate Risk Level on Soybean Productivity (Glycine max L.) Using Cropsyst Model. Journal of Advanced Agricultural Technologies, 2018, 5, 188-191.	0.2	0
5346	Hydrological Modeling to Evaluate Future Climate Change Impacts in Sind River Basin, India. International Journal of Environmental Science and Development, 2018, 9, 56-61.	0.2	0
5347	Real-time flood forecast updating method based on mean areal rainfall error correction. Hupo Kexue/Journal of Lake Sciences, 2018, 30, 533-541.	0.3	0
5348	Comparison of water stress coefficient using three alternative canopy temperature-based indices. International Journal of Precision Agricultural Aviation, 2018, 1, 28-34.	0.2	0
5349	Intelligent Models Applied to Elastic Modulus of Jointed Rock Mass. Advances in Civil and Industrial Engineering Book Series, 2018, , 1-30.	0.2	1
5350	THE LOCAL PARAMETERS SENSITIVITY OF URBAN HYDROLOGICAL RESPONSE UNIT OF CONCEPTUAL HYDROLOGICAL MODEL METQ. , 0, , .		0
5351	IMPACTS OF CLIMATE CHANGE AND SEA LEVEL RISE ON SALINITY INTRUSION IN THE LOWER DONG NAI RIVER SYSTEM. Science and Technology, 2018, 54, 244.	0.1	0
5352	Simulating the Pattern of Pollutant Emission in the Hadish Watercourse. International Journal of Coastal and Offshore Engineering, 2018, 1, 21-26.	0.2	0
5353	An improved water budget for the El Yunque National Forest, Puerto Rico, as determined by the Water Supply Stress Index model. Forest Science, 0, , .	0.5	0
5354	DOWNSCALING OF DAILY AVERAGE RAINFALL OF KOTA BHARU KELANTAN, MALAYSIA. Malaysian Journal of Civil Engineering, 2018, 30, .	0.3	0
5355	Fuzzy and process modelling of contour ridge water dynamics. Proceedings of the International Association of Hydrological Sciences, 0, 378, 3-10.	1.0	0
5356	Framework for quantifying flow and sediment yield to diagnose and solve the aggradation problem of an ungauged catchment. Proceedings of the International Association of Hydrological Sciences, 0, 379, 131-138.	1.0	2
5357	Assessment of Spatial and Temporal Variation of Potential Evapotranspiration Estimated by Four Methods for South Carolina. The Journal of South Carolina Water Resources, 2018, , 3-24.	0.7	7
5358	Estimation of Pollution Loads to the Geum-River Estuary for Precipitation Conditions Using a Semi-distributed Watershed Model STREAM. Journal of the Korean Society for Marine Environment & Energy, 2018, 21, 216-227.	0.1	5
5359	Effectiveness of the Submersible Embankment in Haor Area in Bangladesh. Journal of Disaster Research, 2018, 13, 780-792.	0.4	0
5360	Application of Numerical Modeling for the Dyke Erosion in Trieu Do Commune on Thach Han River Basin in Vietnam. Lecture Notes in Civil Engineering, 2019, , 586-591.	0.3	0
5361	Remote sensing based indices for drought assessment in the east mediterranean region. , 2018, , .		1
5362	Analysis of the Impact of Droughts on River Flows in an Agricultural Watershed Using a Semi-distributed Watershed Model STREAM. Journal of the Korean Society for Marine Environment & Energy, 2018, 21, 398-410.	0.1	0

#	ARTICLE	IF	CITATIONS
5363	The Feasibility of Cooperation to Comply with Land Use Change Obligations in the Marosszng Area of South Hungary. <i>Journal of Environmental Geography</i> , 2018, 11, 37-47.	1.2	1
5364	Improvement of the Long-term Discharge Simulation Linked with K-DRUM and MODFLOW. <i>Korean Society of Hazard Mitigation</i> , 2018, 18, 555-562.	0.1	2
5365	The effect of changes in vegetation cover on the hydrological response of the sub-basin Los Pozos. <i>DYNA (Colombia)</i> , 2019, 86, 182-191.	0.2	2
5366	Use of SWAT to Model Impact of Climate Change on Sediment Yield and Agricultural Productivity in Western Oregon, USA. <i>Open Journal of Modern Hydrology</i> , 2019, 09, 54-88.	0.4	4
5368	Parameters Optimization of KINEROS2 using Particle Swarm Optimization Algorithm for Single Event Rainfall-Runoff Simulation (Case Study: Tamar Watershed, Golestan, Iran). <i>Journal of Watershed Management Research</i> , 2019, 9, 91-110.	0.0	1
5369	Comparing the Effects of Inputs for NTT and ArcAPEX Interfaces on Model Outputs and Simulation Performance. <i>Journal of Water Resource and Protection</i> , 2019, 11, 554-580.	0.3	3
5370	NEAR-REAL TIME HAZARD MONITORING AND INFORMATION DISSEMINATION THROUGH INTEGRATION OF REMOTE SENSING, GIS, NUMERICAL MODELLING, WEB APPLICATIONS AND SOCIAL MEDIA. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-3/W1, 25-32.	0.0	0
5371	Estimating Soil Water Contents from Field Water Tables for Potential Rice Irrigation Criteria under Contour-Levee Irrigation Systems. <i>Environmental Control in Biology</i> , 2019, 57, 15-21.	0.3	1
5373	Effects of Digital Elevation Models (DEM) Spatial Resolution on Hydrological Simulation. <i>Journal of Watershed Management Research</i> , 2019, 10, 36-45.	0.0	2
5374	Estimating Regional Maximum Floods using a Runoff Data Spatial Extension Method in Ungauged Watersheds. <i>Korean Society of Hazard Mitigation</i> , 2019, 19, 217-227.	0.1	0
5375	CALIBRATION AND VALIDATION OF ET₀ THROUGH AN R-CRAN CODE IN AGRICULTURAL LANDS OF SOUTH-EAST SPAIN. <i>WIT Transactions on Ecology and the Environment</i> , 2019, , .	0.0	0
5376	Development of Weekly Rainfall-Runoff Model for Drought Preparedness and Response. <i>Korean Society of Hazard Mitigation</i> , 2019, 19, 45-52.	0.1	0
5377	Integrated approach to study river fluxes, water and sediment sources apportionment in sparsely monitored catchment. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 381, 7-11.	1.0	0
5378	SUDS TREATMENT TRAIN MODELING USING SWMM. , 2019, , .		1
5380	Synergies entre la production hydrolectrique et la protection contre les crues: cas d'tude de la Sihl en Suisse. <i>Houille Blanche</i> , 2019, 105, 102-115.	0.3	0
5381	Estimation of Land-Based Pollution Loads to JaranmanSaryang Island areas for export using a Watershed Model. <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2019, 22, 226-235.	0.1	1
5382	AVALIAfO DA TRATABILIDADE DE EFLUENTES DE INDSTRIAS DE COSMTICOS CAPILARES POR PROCESSOS BIOLGICOS AERBIOS. <i>Revista Augustus</i> , 2019, 24, 155-178.	0.2	2
5383	Kk Menderes Alt Havzasn SWAT ile Modellenmesi. ukurova niversitesi Mhendislik-Mimarlık Fakltesi Dergisi, 0, , 55-70.	0.1	0

#	ARTICLE	IF	CITATIONS
5384	Farklı alanlar için dâirsel zeminlerin istatistiksel analizine indirgenmiş ya da projeksiyonlarına uygulanması. Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2019, 21, 868-881.	0.2	2
5385	Modelling phosphorus inflow to the Mozhayskoe reservoir with the HYPE hydrological model. Geography, Environment, Sustainability, 2019, 12, 230-242.	0.6	0
5386	Simulation of pomegranate (<i>Punica granatum</i> L.) growth and yield under different climatic conditions, water and soils using crop simulation models in Egypt.. Scientific Journal of Agricultural Sciences, 2019, 1, 32-42.	0.0	1
5387	Efficiency of Tractor Drawbar Power Taking into Account Soil-Tire Slippage. Lecture Notes in Civil Engineering, 2020, , 409-417.	0.3	1
5388	Evaluation of Spatial and Temporal Variability of Sediment Yield on Bilate Watershed, Rift Valley Lake Basin, Ethiopia. Journal of Water Resources and Ocean Science, 2020, 9, 5.	0.4	5
5389	Modeling Climate Variability Influence on River Regime in Upper Njoro Catchment, Kenya. Journal of Civil Construction and Environmental Engineering, 2020, 5, 126.	0.2	0
5390	Hydrosedimentological modeling in a headwater basin in Southeast Brazil. Revista Brasileira De Ciencia Do Solo, 2020, 44, .	0.5	0
5391	Climate change impacts on hydrology in the Dak Bla watershed, Central Highland Vietnam based on SWAT model. , 0, , 22-31.		1
5392	DEVELOPMENT EQUATION FOR DETERMINATION THE START TIME OF SEEPAGE UNDER HYDRAULIC STRUCTURE RESTING ON SOIL CONTAINING A CAVITY. International Journal of Engineering Technologies and Management Research, 2018, 5, 146-153.	0.1	1
5393	Development and Utility Evaluation of a Multi-Composite Water Balance Model. Korean Society of Hazard Mitigation, 2020, 20, 239-250.	0.1	3
5395	Climate Change Induced Precipitation and Temperature Effects on Water Resources: the Case of Borkena Watershed in the Highlands of Wollo, Central Ethiopia. Water Conservation Science and Engineering, 2020, 5, 53-66.	0.9	4
5396	Performance Evaluation of Mike Nam Rainfall-Runoff (R-R) Model in Daily Flow Simulation (Case Study:) Tj ETQq1 1 0,784314rgBT /O	0.2	4
5399	Effect of ENSO-based upstream water withdrawals for irrigation on downstream water withdrawals. Hydrology Research, 2020, 51, 602-620.	1.1	3
5400	Variabilidad del impacto del cambio climático en el régimen hidrológico de dos cuencas de la región Huasteca. Ingeniería Investigación Y Tecnología, 2020, 21, 1-12.	0.2	0
5401	Artificial Neural Networks for Prediction of Steadman Heat Index. Springer Transactions in Civil and Environmental Engineering, 2021, , 293-357.	0.3	1
5402	Karakteristik Hidrologi dan Pengelolaannya dengan Model Hidrologi Soil and Water Assessment Tool Sub DAS Cisadane Hulu. Jurnal Ilmu Pertanian Indonesia, 2020, 25, 342-348.	0.1	5
5403	Forest riparian buffers reduce timber harvesting effects on stream temperature, but additional climate adaptation strategies are likely needed under future conditions. Journal of Water and Climate Change, 2021, 12, 1404-1419.	1.2	2
5405	MAPPING URBAN VENTILATION CORRIDORS AND ASSESSING THEIR IMPACT UPON THE COOLING EFFECT OF GREENING SOLUTIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2020, 665-672.	0.2	3

#	ARTICLE	IF	CITATIONS
5406	DAĞLIK BİR HAVZADA UYDU VERİSİNE DESTEKLENEBİLİR HİDROLOJİK MODELLEME. Uludağ University Journal of the Faculty of Engineering, 0, , 813-830.	0.2	0
5407	Dynamic Variation Characteristics of the Riparian Zone Temperature Distribution under Fluctuating Water Levels: Field Experiments and Numerical Modeling. Journal of Coastal Research, 2020, 36, .	0.1	2
5408	Karlı Dağlık Bir Havzada Göl ve Aylık Akışın Değerlerinin SWAT Modeliyle Değerlendirilmesi: Bitlis Eyalet Havzası Üzerine. Afyon Kocatepe University Journal of Sciences and Engineering, 2020, 20, 651-671.	0.1	0
5409	Hydrological Modeling of Stream Flow Over Netravathi River Basin. Lecture Notes in Civil Engineering, 2021, , 695-713.	0.3	1
5410	Quantitative assessment of regional land use and climate change impact on runoff across Gilgit watershed. Environmental Earth Sciences, 2021, 80, 1.	1.3	48
5411	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) Tj ETQq1 1 0.7843 142rgBT /Oerlock 10	1.4	10
5412	Risk Assessment of Urban Floods Based on a SWMM-MIKE21-Coupled Model Using GF-2 Data. Remote Sensing, 2021, 13, 4381.	1.8	15
5413	Delineation of potential water harvesting site for agriculture water planning in Betwa basin of India using geospatial and analytical hierarchical process technique. Geocarto International, 2022, 37, 8315-8335.	1.7	2
5414	Evaluate River Water Salinity in a Semi-Arid Agricultural Watershed by Coupling Ensemble Machine Learning Technique with SWAT Model. Journal of the American Water Resources Association, 2022, 58, 1175-1188.	1.0	7
5415	New analytical models of subsurface reactive transport with transient flow field, time-dependent source concentration, and arbitrary initial condition. Journal of Hydrology, 2021, 603, 127119.	2.3	2
5416	Projected Streamflow and Sediment Supply under Changing Climate to the Coast of the Kalu River Basin in Tropical Sri Lanka over the 21st Century. Water (Switzerland), 2021, 13, 3031.	1.2	4
5417	Application of Numerical Model Coupled with Field Sampling to Investigate Increased Salinity in a Coastal Aquifer at Aveiro, Portugal. Lecture Notes in Civil Engineering, 2022, , 447-459.	0.3	0
5418	Mitigating lake eutrophication through stakeholder-driven hydrologic modeling of agricultural conservation practices: A case study of Lake Macatawa, Michigan. Journal of Great Lakes Research, 2021, 47, 1710-1725.	0.8	8
5419	Rainfall variability based on the Climate Hazards Group InfraRed Precipitation with Station Data (CHIRPS) in Lesti watershed, Java Island, Indonesia. IOP Conference Series: Earth and Environmental Science, 2021, 874, 012003.	0.2	3
5420	Hydrologic response to large-scale land use and cover changes in the Upper Paraná River Basin between 1985 and 2015. Regional Environmental Change, 2021, 21, 1.	1.4	4
5421	Retrieval of Water Cloud Optical and Microphysical Properties from Combined Multiwavelength Lidar and Radar Data. Remote Sensing, 2021, 13, 4396.	1.8	2
5422	Data-Driven System Dynamics Model for Simulating Water Quantity and Quality in Peri-Urban Streams. Water (Switzerland), 2021, 13, 3002.	1.2	6
5423	Effects of forest growth in different vegetation communities on forest catchment water balance. Science of the Total Environment, 2022, 809, 151159.	3.9	10

#	ARTICLE	IF	CITATIONS
5424	Assessment of Climate Change Impacts on the Hydroclimatic Response in Burundi Based on CMIP6 ESMs. <i>Sustainability</i> , 2021, 13, 12037.	1.6	9
5425	Hydrological Modeling for Multifunctional Landscape Planning in the Orinoquia Region of Colombia. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	5
5426	Evaluating and Adapting Climate Change Impacts on Rice Production in Indonesia: A Case Study of the Keduang Subwatershed, Central Java. <i>Environments - MDPI</i> , 2021, 8, 117.	1.5	19
5427	Experimental and numerical study on Cu and Cd migration in different functional-area soils under simulated rainfall conditions. <i>Environmental Research</i> , 2022, 208, 112239.	3.7	14
5428	River discharge prediction for ungauged mountainous river basins during heavy rain events based on seismic noise data. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	4
5429	Streamflow modeling and contribution of snow and glacier melt runoff in glacierized Upper Indus Basin. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 761.	1.3	1
5430	Random forest and extreme gradient boosting algorithms for streamflow modeling using vessel features and tree-rings. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	26
5431	Comparative Evaluation of Thermogravimetric and Refractive Index Techniques in Determining Biodiesel Yield. <i>Journal of Sustainable Bioenergy Systems</i> , 2020, 10, 30-42.	0.2	1
5432	Consolidated sediment budget of Lake Tana, Ethiopia (2012–2016). <i>Geomorphology</i> , 2020, 371, 107434.	1.1	21
5433	The effect of karst system occurrence on flood peaks in small watersheds, southwest China. <i>Hydrology Research</i> , 2021, 52, 305-322.	1.1	5
5434	Semi-Distributed Modeling Of A Large Scale Hydrological System Using SWAT Model. , 2020, , .		1
5435	Optimizing sowing density-based management decisions with different nitrogen rates on smallholder maize farms in Northern Nigeria. <i>Experimental Agriculture</i> , 2020, 56, 866-883.	0.4	6
5436	Variable backwater and channel roughness: effects on Solimões River discharge. <i>Comptes Rendus - Geoscience</i> , 2020, 352, 185-198.	0.4	1
5437	Previsões de Vazões Mensais na Bacia Hidrográfica do Xingu - Leste da Amazônia. <i>Revista Brasileira De Meteorologia</i> , 2020, 35, 1045-1056.	0.2	1
5438	Incorporating Pacific Ocean climate information to enhance the tree-ring-based streamflow reconstruction skill. <i>Journal of Water and Climate Change</i> , 2021, 12, 1891-1909.	1.2	2
5439	Assessment of Impacts of Climate Change on Tile Discharge and Nitrogen Yield Using the DRAINMOD Model. <i>Hydrology</i> , 2021, 8, 1.	1.3	12
5440	Catchment-Scale Natural Water Balance in Chile. <i>World Water Resources</i> , 2021, , 189-208.	0.4	8
5441	Uncertainty of drought information in a data-scarce tropical river basin. <i>Journal of Hydrology: Regional Studies</i> , 2020, 32, 100760.	1.0	4

#	ARTICLE	IF	CITATIONS
5442	Accident prediction in construction using hybrid wavelet-machine learning. Automation in Construction, 2022, 133, 103987.	4.8	31
5443	A new approach for modeling crop-weed interaction targeting management support in operational contexts: A case study on the rice weeds barnyardgrass and red rice. Ecological Modelling, 2022, 463, 109797.	1.2	3
5444	Efficiency and feasibility of Best Management Practices to reduce nutrient loads in an agricultural river basin. Agricultural Water Management, 2022, 259, 107241.	2.4	29
5445	Review of GPM IMERG performance: A global perspective. Remote Sensing of Environment, 2022, 268, 112754.	4.6	112
5446	Model application to a lab-scale thermophilic hydrogenotrophic methanation system. Biochemical Engineering Journal, 2022, 177, 108228.	1.8	1
5447	Evaluating the thermal-radiative performance of ENVI-met model for green infrastructure typologies: Experience from a subtropical climate. Building and Environment, 2022, 207, 108427.	3.0	45
5448	Hierarchical prediction of soil water content time series. Catena, 2022, 209, 105841.	2.2	2
5449	LONGITUDINAL EVALUATION OF ALTERED FLOW REGIMES IN THE OMARU RIVER NETWORK USING A DISTRIBUTED HYDROLOGICAL MODEL. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq1 1o0i784314 rgBT /O		
5450	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. Open Journal of Modern Hydrology, 2020, 10, 105-122.	0.4	21
5451	Modelling effect of different irrigation methods on spring maize yield, water and nitrogen use efficiencies in the North China Plain. Mathematical Biosciences and Engineering, 2021, 18, 9651-9668.	1.0	6
5452	Impact of Land-Use Changes on Sediment Load and Capacity Reduction of Lake Ziway, Ethiopia. Natural Resources, 2020, 11, 530-542.	0.2	3
5453	Soil loss as a desertification risk indicator: mapping and simulation in the Salitre River Sub-Basin, Northeast Brazil. Revista Brasileira De Ciencia Do Solo, 2020, 44, .	0.5	0
5454	Assessing Digital Soil Inventories for Predicting Streamflow in the Headwaters of the Blue Nile. Hydrology, 2020, 7, 8.	1.3	7
5455	Reliability and Accuracy of Measuring the Surface Area of Phantom Skin Lesions with Lesionmeter Mobile Application. Flebologiya, 2020, 14, 266.	0.2	2
5456	á°Çnh hÆ°á»Ýng cá»Ša ĩ°-glucan lÃ°n Ä°Ä°p á»©ng miá»...n dá»«ch tá»± nhiÃ°n cá»Ša tÃ°m thá»» chÃ°n trá»ng (Litopenaeus vannamei) Vibrio parahaemolyticus. Tap Chi Khoa Hoc = Journal of Science, 2020, 56(3), 153.	0.1	0
5457	Analysis on Flow and Water Balance Parameters of Teesta River Basin due to Climate Change and Upstream Intervention. , 2020, , 267-282.		3
5458	ASSESSING THE EFFECT OF LAND USE AND LAND COVER CHANGES ON WATER BALANCE IN THE OURIYORI BASIN (BENIN, WEST AFRICA). International Journal of Agriculture Environment and Bioresearch, 2020, 05, 224-241.	0.0	1
5459	Evaluating the Impacts of Climate Change on the Stream Flow Events in Range of Scale of Watersheds, in the Upper Blue Nile Basin. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 169-192.	0.2	1

#	ARTICLE	IF	CITATIONS
5460	Making rainfed crops adapted to potential climate change impacts: Modeling sustainable options. E3S Web of Conferences, 2020, 183, 03002.	0.2	0
5461	Attenuation performance of runoff storage basins within a moderate to steep slope urban catchment in Cebu, Philippines. AIP Conference Proceedings, 2020, , .	0.3	1
5462	Trivariate distribution modelling of flood characteristics using copula functionâ€”A case study for Kelantan River basin in Malaysia. AIMS Geosciences, 2020, 6, 92-130.	0.4	6
5463	Comparison between SWAT and SWAT+ for simulating streamflow in a paddy-field-dominated basin, northeast Thailand. E3S Web of Conferences, 2020, 187, 06002.	0.2	6
5464	Estimation of long-term external nutrient loading from watersheds to Lake Biwa by a combined rainfall-runoff model and loading-discharge curve approach. Hydrological Research Letters, 2020, 14, 143-149.	0.3	6
5465	Generalize new method to determine the location of the control setion in the box culvert under inlet control. IOP Conference Series: Materials Science and Engineering, 0, 737, 012155.	0.3	0
5467	Testing the WEAP Hydrologic Model for Awash Basin, Ethiopia â€œSoil Moisture Module with Watershed Demand Approachâ€”, 2020, , .		1
5468	Nitrogen mineralization from organic fertilizers and composts: Literature survey and model fitting. Journal of Environmental Quality, 2021, 50, 1325-1338.	1.0	17
5469	Coupling Suspect and Nontarget Screening with Mass Balance Modeling to Characterize Organic Micropollutants in the Onondaga Lakeâ€”Three Rivers System. Environmental Science & Technology, 2021, 55, 15215-15226.	4.6	17
5470	Prediction of Ultimate Bearing Capacity of Shallow Foundations on Cohesionless Soils: A Gaussian Process Regression Approach. Applied Sciences (Switzerland), 2021, 11, 10317.	1.3	25
5471	Assessment of climate change impact on hydro-climatic variables and its trends over Gidabo Watershed. Modeling Earth Systems and Environment, 2022, 8, 3769-3791.	1.9	8
5472	Hydrologic Utility of Satellite-Based and Gauge-Based Gridded Precipitation Products in the Huai Bang Sai Watershed of Northeastern Thailand. Hydrology, 2021, 8, 165.	1.3	8
5473	Improving a Biogeochemical Model to Simulate Microbialâ€”mediated Carbon Dynamics in Agricultural ecosystems. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002752.	1.3	1
5474	Water resources availability under different climate change scenarios in South East Iran. Journal of Water and Climate Change, 2021, 12, 3976-3991.	1.2	3
5476	Raspy-Cal: A Genetic Algorithm-Based Automatic Calibration Tool for HEC-RAS Hydraulic Models. Water (Switzerland), 2021, 13, 3061.	1.2	1
5477	Water Balance of Pit Lake Development in the Equatorial Region. Water (Switzerland), 2021, 13, 3106.	1.2	5
5478	Hydraulic retrofits can economically increase water and phosphorus retentions in end-of-the-farm stormwater systems. Journal of Cleaner Production, 2021, 329, 129554.	4.6	1
5479	Feed Intake of Growing Dairy Heifers Raised under Tropical Conditions: A Model Evaluation Using Meta-Analysis. Animals, 2021, 11, 3181.	1.0	0

#	ARTICLE	IF	CITATIONS
5480	The Impact of the Changes in Climate, Land Use and Direct Human Activity on the Discharge in Qingshui River Basin, China. <i>Water</i> (Switzerland), 2021, 13, 3147.	1.2	3
5481	Addressing Spatial Heterogeneity in the Discrete Generalized Nash Model for Flood Routing. <i>Water</i> (Switzerland), 2021, 13, 3133.	1.2	0
5482	Suitable Land-Use and Land-Cover Allocation Scenarios to Minimize Sediment and Nutrient Loads into Kwan Phayao, Upper Ing Watershed, Thailand. <i>Applied Sciences</i> (Switzerland), 2021, 11, 10430.	1.3	5
5483	Assessing the Potential of Upcoming Satellite Altimeter Missions in Operational Flood Forecasting Systems. <i>Remote Sensing</i> , 2021, 13, 4459.	1.8	8
5484	Evaluation of Streamflow under Climate Change in the Zambezi River Basin of Southern Africa. <i>Water</i> (Switzerland), 2021, 13, 3114.	1.2	13
5485	Estimation of the rice water footprint based on machine learning algorithms. <i>Computers and Electronics in Agriculture</i> , 2021, 191, 106501.	3.7	12
5486	Predictability of Seasonal Streamflow and Soil Moisture in National Water Model and a Humid Alabamaâ€“Coosaâ€“Tallapoosa River Basin. <i>Journal of Hydrometeorology</i> , 2020, 21, 1447-1467.	0.7	5
5487	Estimation of subsurface soil moisture from surface soil moisture in cold mountainous areas. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4659-4674.	1.9	17
5488	Impacts of Droughts and Acidic Deposition on Long-Term Surface Water Dissolved Organic Carbon Concentrations in Upland Catchments in Wales. <i>Frontiers in Environmental Science</i> , 0, 8, .	1.5	8
5490	Determination of ERA-INTERIM Proficiency for Rainfallâ€“Runoff Modeling. <i>Water Science and Technology Library</i> , 2021, , 217-225.	0.2	0
5491	Streamflow Response to Land Useâ€“Land Cover Change Over the Subarnarekha River Basin, India. <i>Water Science and Technology Library</i> , 2021, , 257-278.	0.2	0
5492	Hydrological Modeling of West Rapti River Basin of Nepal Using SWAT Model. <i>Water Science and Technology Library</i> , 2021, , 279-302.	0.2	0
5493	Assessment of the performance of CMIP5 and CORDEX-SA models over the drought-prone Bundelkhand region, India. <i>Journal of Water and Climate Change</i> , 2020, 11, 133-144.	1.2	3
5494	Runoff sensitivity to climate and land-use changes: A case study in the Longtan basin, Southwestern China. <i>Journal of Water and Climate Change</i> , 2021, 12, 1059-1070.	1.2	2
5495	HYDRUS-2D simulations of nitrate nitrogen and potassium transport characteristics under fertilizer solution infiltration of furrow irrigation. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 2665-2680.	1.0	3
5496	Comparison of antecedent precipitation based rainfall-runoff models. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 2122-2138.	1.0	5
5497	Efectos del cambio climÃ¡tico en el recurso hÃ¡drico de los paÃses andinos. <i>IngenierÃa Del Agua</i> , 2020, 24, 219.	0.2	2
5499	Management Implication of Understanding Flood Variabilities in Transboundary Rivers for Future: A Case of Wabi Shebele River Basin, Ethiopia. <i>Springer Geography</i> , 2021, , 151-179.	0.3	0

#	ARTICLE	IF	CITATIONS
5500	Pedotransfer functions to estimate some soil properties in Indian Black Earth, south of Amazonas State. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20190543.	0.3	0
5501	An improved drought-fire assessment for managing fire risks in tropical peatlands. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108738.	1.9	15
5502	Assessing the potential value of the regionalised input constraint indices for constraining hydrological model simulations in the Congo River Basin. <i>Advances in Water Resources</i> , 2022, 159, 104093.	1.7	1
5503	The wave overtopping load on landward slopes of grass-covered flood defences: Deriving practical formulations using a numerical model. <i>Coastal Engineering</i> , 2022, 171, 104047.	1.7	3
5504	Integrating Climate Change, Hydrology, and Water Footprint to Measure Water Scarcity in Lesotho, Africa. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	1.3	3
5505	Machine learning modeling integrating experimental analysis for predicting the properties of sugarcane bagasse ash concrete. <i>Construction and Building Materials</i> , 2022, 314, 125634.	3.2	37
5506	Integrated assessment of the landuse change and climate change impacts on the sediment yield in the Songkhram River Basin, Thailand. <i>Catena</i> , 2022, 209, 105859.	2.2	13
5507	Soil nitrate leaching of tea plantation and its responses to seasonal drought and wetness scenarios. <i>Agricultural Water Management</i> , 2022, 260, 107325.	2.4	4
5508	Ecosystem models indicate zooplankton biomass response to nutrient input and climate warming is related to lake size. <i>Ecological Modelling</i> , 2022, 464, 109837.	1.2	5
5509	Increasing urban flood risk in China over recent 40 years induced by LUCC. <i>Landscape and Urban Planning</i> , 2022, 219, 104317.	3.4	40
5510	Modeling the impact of climate change on hydrological responses in the Lake Tana basin, Ethiopia. <i>Dynamics of Atmospheres and Oceans</i> , 2022, 97, 101278.	0.7	8
5511	Satellite-based rainfall estimates evaluation using a parsimonious hydrological model in the complex climate and topography of the Nile River Catchments. <i>Atmospheric Research</i> , 2022, 266, 105939.	1.8	15
5512	Estimating Regionalized Hydrological Impacts of Climate Change Over Europe by Performance-Based Weighting of CORDEX Projections. <i>Frontiers in Water</i> , 2021, 3, .	1.0	10
5513	Multiple regression analysis for predicting few water quality parameters at unmonitored sub-watershed outlets in the St. Joseph River basin, USA. <i>Geocarto International</i> , 2022, 37, 8697-8723.	1.7	3
5514	Integrated water resources management approach in mitigating the potential impacts of climate change on hydrology in Gurara reservoir catchment, Northwest Nigeria. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 384, 355-361.	1.0	0
5515	Physics Informed Neural Network for Spatial-Temporal Flood Forecasting. <i>Lecture Notes in Civil Engineering</i> , 2022, , 77-91.	0.3	3
5516	Evaluating different machine learning methods to simulate runoff from extensive green roofs. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5917-5935.	1.9	16
5517	Investigation of Flood Management and Mitigation Measures in Ungauged NATURA Protected Watersheds. <i>Hydrology</i> , 2021, 8, 170.	1.3	23

#	ARTICLE	IF	CITATIONS
5518	Sensitivity of Riparian Buffer Designs to Climate Change—Nutrient and Sediment Loading to Streams: A Case Study in the Albemarle-Pamlico River Basins (USA) Using HAWQS. <i>Sustainability</i> , 2021, 13, 12380.	1.6	13
5519	SWAT Application for Gajahwong River Streamflow Simulation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 920, 012017.	0.2	0
5520	Hydrological Analysis Using Observed and Satellite-Based Estimates: Case Study of a Lake Catchment in Raipur, India. <i>Journal of the Indian Society of Remote Sensing</i> , 2022, 50, 115-128.	1.2	8
5521	Impact of climate change on hydropower potential of the Lagdo dam, Benue River Basin, Northern Cameroon. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 384, 337-342.	1.0	4
5522	A Modified Vegetation Photosynthesis and Respiration Model (VPRM) for the Eastern USA and Canada, Evaluated With Comparison to Atmospheric Observations and Other Biospheric Models. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, e2021JG006290.	1.3	13
5523	Spatiotemporal hydrological analysis of streamflows and groundwater recharge for sustainable water management in Prince Edward Island, Canada. , 2021, 7, 253-282.		3
5524	Real-time Flood Classification Forecasting Based on k-means++ Clustering and Neural Network. <i>Water Resources Management</i> , 2022, 36, 103-117.	1.9	4
5525	Modeling Management and Climate Change Impacts on Water Pollution by Heavy Metals in the Nizhnekamskoe Reservoir Watershed. <i>Water (Switzerland)</i> , 2021, 13, 3214.	1.2	4
5526	Sediment Yield and Reservoir Sedimentation in Highly Dynamic Watersheds: The Case of Koga Reservoir, Ethiopia. <i>Water (Switzerland)</i> , 2021, 13, 3374.	1.2	28
5527	Modifications to Snow-Melting and Flooding Processes in the Hydrological Model—A Case Study in Issyk-Kul, Kyrgyzstan. <i>Atmosphere</i> , 2021, 12, 1580.	1.0	8
5529	Identifying the runoff variation in the Naryn River Basin under multiple climate and land-use change scenarios. <i>Journal of Water and Climate Change</i> , 0, , .	1.2	1
5530	Remote Sensing and Geospatial Models to Simulate Land Use and Land Cover and Estimate Water Supply and Demand for Water Balancing in Phuket Island, Thailand. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10553.	1.3	3
5531	HSPF-Based Assessment of Inland Nutrient Source Control Strategies to Reduce Algal Blooms in Streams in Response to Future Climate Changes. <i>Sustainability</i> , 2021, 13, 12413.	1.6	0
5532	Predictability of flow metrics calculated using a distributed hydrologic model across ecoregions and stream classes: implications for developing flow—ecology relationships. <i>Ecohydrology</i> , 0, , e2387.	1.1	0
5533	Influence of check dams on flood hydrology across varying stages of their lifespan in a highly erodible Catchment, Loess Plateau of China. <i>Catena</i> , 2022, 210, 105864.	2.2	11
5534	Measurement and Prediction of water consumption By Douglas—fir, Northern California, USA. <i>Ecohydrology</i> , 0, , e2388.	1.1	0
5535	Applicability of the Climate Hazards Group Infrared Precipitation with Stations as Rainfall Input for SWAT Watershed Modeling. <i>Water Resources</i> , 2021, 48, 925-935.	0.3	2
5536	Hybrid simulation framework for the production management of an ethanol biorefinery. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 155, 111911.	8.2	6

#	ARTICLE	IF	CITATIONS
5537	Flow Simulation and Storage Assessment in an Ungauged Irrigation Tank Cascade System Using the SWAT Model. <i>Sustainability</i> , 2021, 13, 13158.	1.6	6
5538	Flood Mitigation Effect of Paddy Field Dam on Controlling Increase of Flood Risk Under Future Climate Change Condition. <i>Suimon Mizu Shigen Gakkaishi</i> , 2021, 34, 351-366.	0.1	2
5539	Quantifying the Impacts of Coal Mining and Soil-Water Conservation on Runoff in a Typical Watershed on the Loess Plateau, China. <i>Water (Switzerland)</i> , 2021, 13, 3229.	1.2	1
5540	Coupling Remote Sensing Data and AquaCrop Model for Simulation of Winter Wheat Growth under Rainfed and Irrigated Conditions in a Mediterranean Environment. <i>Agronomy</i> , 2021, 11, 2265.	1.3	13
5541	Assessment of the ParFlowâ€œCLM CONUS 1.0 integrated hydrologic model: evaluation of hyper-resolution water balance components across the contiguous United States. <i>Geoscientific Model Development</i> , 2021, 14, 7223-7254.	1.3	20
5542	Resolution Dependence of Regional Hydro-Climatic Projection: A Case-Study for the Johor River Basin, Malaysia. <i>Water (Switzerland)</i> , 2021, 13, 3158.	1.2	7
5543	Basin-based precipitation potential of Turkey. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	1
5544	Effects of land use and climate change on water scarcity in rivers of the Western Ghats of India. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 820.	1.3	9
5545	Potential Impacts of Land Use Changes on Water Resources in a Tropical Headwater Catchment. <i>Water (Switzerland)</i> , 2021, 13, 3249.	1.2	8
5546	Hydrologic Response Estimation Using Different Descriptors for Upper Baitarani River Basin. <i>Lecture Notes in Civil Engineering</i> , 2022, , 219-233.	0.3	1
5547	Hydrological Response of the Kunhar River Basin in Pakistan to Climate Change and Anthropogenic Impacts on Runoff Characteristics. <i>Water (Switzerland)</i> , 2021, 13, 3163.	1.2	9
5548	Expected climate change impacts on surface water bodies in Lithuania. <i>Ecohydrology and Hydrobiology</i> , 2022, 22, 246-268.	1.0	12
5549	Daily suspended sediment forecast by an integrated dynamic neural network. <i>Journal of Hydrology</i> , 2022, 604, 127258.	2.3	17
5550	Separation of the Impact of Landuse/Landcover Change and Climate Change on Runoff in the Upstream Area of the Yangtze River, China. <i>Water Resources Management</i> , 2022, 36, 181-201.	1.9	38
5551	Assessment of gridded precipitation products in the hydrological modeling of a flood-prone mesoscale basin. <i>Hydrology Research</i> , 2022, 53, 85-106.	1.1	6
5552	A method to devise multiple model structures for urban flood inundation uncertainty. <i>Journal of Hydrology</i> , 2022, 604, 127246.	2.3	6
5553	Modeling the effects of human influences on water quality and quantity in the Zarrineh River Basin, Iran. <i>Journal of Hydro-Environment Research</i> , 2022, 40, 51-63.	1.0	6
5554	Evapotranspiration and Quantitative Partitioning of Spring Maize with Drip Irrigation under Mulch in an Arid Region of Northwestern China. <i>Water (Switzerland)</i> , 2021, 13, 3169.	1.2	4

#	ARTICLE	IF	CITATIONS
5556	New framework for managing the water environmental capacity integrating the watershed model and stochastic algorithm. <i>Science of the Total Environment</i> , 2022, 816, 151659.	3.9	3
5557	Spatial and temporal variability evaluation of sediment yield and sub-basins/hydrologic response units prioritization on Genale Basin, Ethiopia. <i>Journal of Hydrology</i> , 2021, 603, 127190.	2.3	4
5558	Evaluation the WRF Model with Different Land Surface Schemes: Heat Wave Event Simulations and Its Relation to Pacific Variability over Coastal Region, Karachi, Pakistan. <i>Sustainability</i> , 2021, 13, 12608.	1.6	2
5559	Improved ELMv1-ECA simulations of zero-curtain periods and cold-season CH ₄ and CO ₂ emissions at Alaskan Arctic tundra sites. <i>Cryosphere</i> , 2021, 15, 5281-5307.	1.5	5
5560	Characterizing Genotype-Specific Rice Architectural Traits Using Smart Mobile App and Data Modeling. <i>Agronomy</i> , 2021, 11, 2428.	1.3	3
5561	The Application of Low Impact Development Facility Chain on Storm Rainfall Control: A Case Study in Shenzhen, China. <i>Water (Switzerland)</i> , 2021, 13, 3375.	1.2	12
5562	Assessing hydrologic alterations due to reservoirs and intensified irrigation in a semi-arid agricultural river basin using SWAT *. <i>Irrigation and Drainage</i> , 0, , .	0.8	3
5563	Seasonal differences in future climate and streamflow variation in a watershed of Northern China. <i>Journal of Hydrology: Regional Studies</i> , 2021, 38, 100959.	1.0	4
5564	Assessing cost-effectiveness of nature-based solutions scenarios: Integrating hydrological impacts and life cycle costs. <i>Journal of Cleaner Production</i> , 2021, 329, 129740.	4.6	12
5565	Iterative Forecasting Improves Near-Term Predictions of Methane Ebullition Rates. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	3
5566	Modelling long-term alluvial-peatland dynamics in temperate river floodplains. <i>Biogeosciences</i> , 2021, 18, 6181-6212.	1.3	1
5567	Quantifying changes and drivers of runoff in the Kaidu River Basin associated with plausible climate scenarios. <i>Journal of Hydrology: Regional Studies</i> , 2021, 38, 100968.	1.0	6
5568	Entropy-Based Temporal Downscaling of Precipitation as Tool for Sediment Delivery Ratio Assessment. <i>Entropy</i> , 2021, 23, 1615.	1.1	1
5569	A remote sensing-based three-source energy balance model to improve global estimations of evapotranspiration in semi-arid tree-grass ecosystems. <i>Global Change Biology</i> , 2022, 28, 1493-1515.	4.2	15
5570	Assessment of flow characteristics through a grassed canal. <i>Innovative Infrastructure Solutions</i> , 2022, 7, 1.	1.1	0
5571	Improved ALMANAC simulations of upland switchgrass ecotypes in the northern United States. <i>Agronomy Journal</i> , 2022, 114, 508-523.	0.9	1
5573	Improving the accuracy of estimating blood calcium concentration in Holstein cows using electrocardiographic variables. <i>Journal of Veterinary Medical Science</i> , 2022, 84, 193-198.	0.3	1
5574	Urban Stormwater and Sewerage Modelling: An Approach for Peak Runoff and Volume Assessment. <i>Journal of Water Resource and Protection</i> , 2021, 13, 855-880.	0.3	0

#	ARTICLE	IF	CITATIONS
5575	Modelling Forest Fire and Post-Fire Management in a Catchment Prone to Erosion: Impacts on Sediment Yield. SSRN Electronic Journal, 0, , .	0.4	0
5576	Data Mining of Remotely-Sensed Rainfall for a Large-Scale Rain Gauge Network Design. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12300-12311.	2.3	3
5578	AquaCrop Model Validation for Simulation Wheat Productivity under Water Stress Condition. Communications in Soil Science and Plant Analysis, 2022, 53, 281-292.	0.6	3
5579	Modelling the artificial forest (<i>Robinia pseudoacacia</i> rootâ€“soil water interactions in the Loess Plateau, China. Hydrology and Earth System Sciences, 2022, 26, 17-34.	1.9	13
5580	Overcoming equifinality: time-varying analysis of sensitivity and identifiability of SWAT runoff and sediment parameters in an arid and semiarid watershed. Environmental Science and Pollution Research, 2022, 29, 31631-31645.	2.7	13
5581	Indoor PM2.5 concentration test and analysis in Winter Olympics â€“Ice Cubeâ€™™ curling venue. Energy and Buildings, 2022, 258, 111837.	3.1	1
5582	Hydrological evaluation of 14 satellite-based, gauge-based and reanalysis precipitation products in a data-scarce mountainous catchment. Hydrological Sciences Journal, 2022, 67, 436-450.	1.2	7
5583	Integration of Genomics with Crop Modeling for Predicting Rice Days to Flowering: A Multi-Model Analysis. Field Crops Research, 2022, 276, 108394.	2.3	6
5584	Validation of automatic systems for monitoring the licking behaviour in Angus and Brahman cattle. Applied Animal Behaviour Science, 2022, 247, 105543.	0.8	2
5585	OPALE: Operational assessment of landscape water eco-functionalities. Environmental Modelling and Software, 2022, 148, 105276.	1.9	0
5586	Application of first-order kinetic removal models on constructed wetlands under Mediterranean climatic conditions. Ecological Engineering, 2022, 175, 106500.	1.6	7
5587	Improving streamflow prediction in the WRF-Hydro model with LSTM networks. Journal of Hydrology, 2022, 605, 127297.	2.3	86
5588	Detecting Hydrological Variability in Precipitation Extremes: Application of Reanalysis Climate Product in Data-Scarce Wabi Shebele Basin of Ethiopia. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	0.8	7
5589	Construction of rapid early warning and comprehensive analysis models for urban waterlogging based on AutoML and comparison of the other three machine learning algorithms. Journal of Hydrology, 2022, 605, 127367.	2.3	15
5590	Modeling streamflow sensitivity to climate warming and surface water inputs in a montane catchment. Journal of Hydrology: Regional Studies, 2022, 39, 100976.	1.0	7
5591	Modeling long-term water use and economic returns to optimize alfalfa-corn rotation in the corn belt of northeast China. Field Crops Research, 2022, 276, 108379.	2.3	11
5592	Evaluation and optimization of ecosystem services under different land use scenarios in a semiarid landscape mosaic. Ecological Indicators, 2022, 135, 108516.	2.6	21
5593	In-stream surface water quality in China: A spatially-explicit modelling approach for nutrients. Journal of Cleaner Production, 2022, 334, 130208.	4.6	6

#	ARTICLE	IF	CITATIONS
5594	Evaluation of satellite precipitation products for water allocation studies in the Sio-Malaba-Malakisi river basin of East Africa. <i>Journal of Hydrology: Regional Studies</i> , 2022, 39, 100983.	1.0	5
5595	Assessing the predictive impact of factor fixing with an adaptive uncertainty-based approach. <i>Environmental Modelling and Software</i> , 2022, 148, 105290.	1.9	3
5596	Predictive Maintenance of Stormwater Infrastructure Using Internet-of-Things Technology. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	0.7	2
5597	Modeling and assessing water and nutrient balances in a tile-drained agricultural watershed in the U.S. Corn Belt. <i>Water Research</i> , 2022, 210, 117976.	5.3	13
5598	A rebalanced performance criterion for hydrological model calibration. <i>Journal of Hydrology</i> , 2022, 606, 127372.	2.3	6
5599	Using soil-moisture drought indices to evaluate key indicators of agricultural drought in semi-arid Mediterranean Southern Africa. <i>Science of the Total Environment</i> , 2022, 812, 152464.	3.9	31
5600	A novel model to estimate sensible heat fluxes in urban areas using satellite-derived data. <i>Remote Sensing of Environment</i> , 2022, 270, 112880.	4.6	7
5601	Estimating and partitioning maize evapotranspiration as affected by salinity using weighing lysimeters and the SIMDualKc model. <i>Agricultural Water Management</i> , 2022, 261, 107362.	2.4	15
5602	Data-based groundwater quality estimation and uncertainty analysis for irrigation agriculture. <i>Agricultural Water Management</i> , 2022, 262, 107423.	2.4	14
5603	A framework based on high-resolution imagery datasets and MCS for forecasting evaporation loss from small reservoirs in groundwater-based agriculture. <i>Agricultural Water Management</i> , 2022, 262, 107434.	2.4	8
5604	Rainfall and temperature projections and the implications on streamflow and evapotranspiration in the near future at the Tano River Basin of Ghana. <i>Scientific African</i> , 2022, 15, e01071.	0.7	7
5605	Assessment of phosphorus loading dynamics in a tropical reservoir with high seasonal water level changes. <i>Science of the Total Environment</i> , 2022, 815, 152875.	3.9	26
5606	Estimation of rainfall erosivity factor in Italy and Switzerland using Bayesian optimization based machine learning models. <i>Catena</i> , 2022, 211, 105957.	2.2	17
5607	Impact of climate and land-use changes on the water and sediment dynamics of the Tokoro River Basin, Japan. <i>Environmental Advances</i> , 2022, 7, 100153.	2.2	3
5608	Monitoring and Modeling Glyphosate Transport in the Belize River Watershed. , 2020, , .		1
5609	Avaliação dos níveis de ruído em terminais de transporte coletivo urbano. <i>Research, Society and Development</i> , 2020, 9, e4729119986.	0.0	2
5610	Feature Selection for Monitoring Erosive Cavitation on a Hydroturbine. <i>International Journal of Prognostics and Health Management</i> , 2017, 8, .	0.6	0
5611	Estimating Soil Hydraulic Parameters During Ponding Infiltration Using a Hybrid Algorithm. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
5612	Evaluation of CHIRPS Satellite Gridded Dataset as an Alternative Rainfall Estimate for Localized Modelling over Uganda. <i>Atmospheric and Climate Sciences</i> , 2021, 11, 797-811.	0.1	2
5613	Future impacts of climate change on sediment influx rate in hydropower reservoir using SWAT. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 880, 012024.	0.2	1
5614	Study on reciprocal relationship among water amount-water quality-water efficiency based on the SWAT_WAQER model : â€”A case study of the Yulin catchment. , 2021, , .		1
5615	The effect of strip orientation and width on radiation interception in maizeâ€”soybean strip intercropping systems. <i>Food and Energy Security</i> , 2022, 11, .	2.0	4
5617	Simulation of land cover changes in the hydrological characteristics of The Central Citarum Sub-Watershed. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 950, 012087.	0.2	2
5618	Impacts of Land-Use Change, Associated Land-Use Area and Runoff on Watershed Sediment Yield: Implications from the Kaduna Watershed. <i>Water (Switzerland)</i> , 2022, 14, 325.	1.2	11
5619	Development and evaluation of hybrid deep learning long short-term memory network model for pan evaporation estimation trained with satellite and ground-based data. <i>Journal of Hydrology</i> , 2022, 607, 127534.	2.3	10
5620	Establishing Stageâ€”Discharge Rating Curves in Developing Countries: Lake Tana Basin, Ethiopia. <i>Hydrology</i> , 2022, 9, 13.	1.3	7
5621	Simulating streamflow in the Cheliff basin of west northern Algeria using the SWAT model. <i>Journal of Earth System Science</i> , 2022, 131, 1.	0.6	5
5622	Forest Fires, Land Use Changes and Their Impact on Hydrological Balance in Temperate Forests of Central Mexico. <i>Water (Switzerland)</i> , 2022, 14, 383.	1.2	4
5623	Decomposing complex traits through crop modelling to support cultivar recommendation. A proof of concept with focus on phenology and field pea. <i>Italian Journal of Agronomy</i> , 0, , .	0.4	0
5624	Efficient Urban Runoff Quantity and Quality Modelling Using SWMM Model and Field Data in an Urban Watershed of Tehran Metropolis. <i>Sustainability</i> , 2022, 14, 1086.	1.6	15
5625	Understanding the impacts of predecessor rain events on flood hazard in a changing climate. <i>Hydrological Processes</i> , 2022, 36, .	1.1	12
5626	Assessment of rainwater harvesting potential of Rachuonyo North Sub-Catchment in Kenya using the Australian water balance model. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2022, 71, 345-354.	0.6	3
5627	Evaluating the Potential of Different Evapotranspiration Datasets for Distributed Hydrological Model Calibration. <i>Remote Sensing</i> , 2022, 14, 629.	1.8	8
5629	Predictive performance of ensemble hydroclimatic forecasts: Verification metrics, diagnostic plots and forecast attributes. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	2.8	17
5630	Assessing effects of land use and land cover changes on hydrological processes and sediment yield in the Xunwu River watershed, Jiangxi Province, China. <i>Frontiers of Earth Science</i> , 2022, 16, 819-833.	0.9	2
5631	Comparative Water Environment Simulation Study of Two Typical Models with BMPs in a Karst Basin. <i>Agriculture (Switzerland)</i> , 2022, 12, 69.	1.4	2

#	ARTICLE	IF	CITATIONS
5632	Forecast of rainfall distribution based on fixed sliding window long short-term memory. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 248-261.	1.5	52
5633	Watershed-scale modelling of the irrigated rice farming system at Muda, Malaysia, using the Soil Water Assessment Tool. <i>Hydrological Sciences Journal</i> , 2022, 67, 462-476.	1.2	1
5634	Longitudinal River Monitoring and Modelling Substantiate the Impact of Weirs on Nitrogen Dynamics. <i>Water (Switzerland)</i> , 2022, 14, 189.	1.2	2
5635	BioRT-Flux-PIHM v1.0: a biogeochemical reactive transport model at the watershed scale. <i>Geoscientific Model Development</i> , 2022, 15, 315-333.	1.3	7
5636	A Model-Based Approach for Improving Surface Water Quality Management in Aquaculture Using MIKE 11: A Case of the Long Xuyen Quadangle, Mekong Delta, Vietnam. <i>Water (Switzerland)</i> , 2022, 14, 412.	1.2	12
5637	Base Flow Variation and Attribution Analysis Based on the Budyko Theory in the Weihe River Basin. <i>Water (Switzerland)</i> , 2022, 14, 334.	1.2	7
5638	Hydrologic response to land use/cover changes and <i>Pteronia incana</i> shrub invasion in Keiskamma catchment, Eastern Cape Province, South Africa. <i>Geocarto International</i> , 2022, 37, 10229-10253.	1.7	1
5639	A comparative study in quantification of maize evapotranspiration for Iranian maize farm using SEBAL and METRIC-1 EEFLux algorithms. <i>Acta Geophysica</i> , 2022, 70, 319-332.	1.0	3
5641	Contribution of ecological conservation programs and climate change to hydrological regime change in the source region of the Yangtze River in China. <i>Regional Environmental Change</i> , 2022, 22, 1.	1.4	10
5642	Improving the Accuracy of Groundwater Storage Estimates Based on Groundwater Weighted Fusion Model. <i>Remote Sensing</i> , 2022, 14, 202.	1.8	4
5643	Impacts of Soil Information on Process-Based Hydrological Modelling in the Upper Goukou Catchment, South Africa. <i>Water (Switzerland)</i> , 2022, 14, 407.	1.2	2
5644	Inference of Parameters for a Global Hydrological Model: Identifiability and Predictive Uncertainties of Climate-Based Parameters. <i>Water Resources Research</i> , 2022, 58, .	1.7	12
5645	Modelling and reconstructing tree ring growth index with climate variables through artificial intelligence and statistical methods. <i>Ecological Indicators</i> , 2022, 134, 108496.	2.6	13
5646	Using Optimized Deep Learning to Predict Daily Streamflow: A Comparison to Common Machine Learning Algorithms. <i>Water Resources Management</i> , 2022, 36, 699-716.	1.9	37
5647	Spatio-Temporal Variability of Tidal Velocities in the Rivers of the Indian Sundarban Delta: A Hydrodynamic Modelling Approach. <i>Journal of the Institution of Engineers (India): Series C</i> , 0, , 1.	0.7	0
5648	Geo-statistical and hydrological assessment of three satellite precipitation products over Ouergha basin (Northern Morocco). <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	4
5649	Climate Change Attribution in the Lena and Selenga River Runoff: An Evaluation Based on the Earth System and Regional Hydrological Models. <i>Water (Switzerland)</i> , 2022, 14, 118.	1.2	12
5650	Coastal inundation under concurrent mean and extreme sea-level rise in Coral Gables, Florida, USA. <i>Natural Hazards</i> , 2022, 111, 2933-2962.	1.6	9

#	ARTICLE	IF	CITATIONS
5651	Hydrological Response of the Wamiâ€Ruvu Basin to Land-Use and Land-Cover Changes and Its Impacts for the Future. <i>Water (Switzerland)</i> , 2022, 14, 184.	1.2	8
5652	Land use and land cover change dynamics and its impact on watershed hydrological parameters: the case of Awetu watershed, Ethiopia. <i>Journal of Sedimentary Environments</i> , 2022, 7, 79-94.	0.7	8
5653	Nitrate concentration analysis and prediction in a shallow aquifer in central-eastern Tunisia using artificial neural network and time series modelling. <i>Environmental Science and Pollution Research</i> , 2022, 29, 43300-43318.	2.7	9
5654	Climate change impact on water quality in the integrated Mahabad Dam watershed-reservoir system. <i>Journal of Hydro-Environment Research</i> , 2022, 40, 28-37.	1.0	3
5655	Prediction of Oil Recovery Factor in Stratified Reservoirs after Immiscible Water-Alternating Gas Injection Based on PSO-, GSA-, GWO-, and GA-LSSVM. <i>Energies</i> , 2022, 15, 656.	1.6	6
5656	Evaluating Distributed Policies for Conjunctive Surface Waterâ€Groundwater Management in Large River Basins: Water Uses Versus Hydrological Impacts. <i>Water Resources Research</i> , 2022, 58, .	1.7	18
5657	An Improved Zhang's Dynamic Water Balance Model Using Budykoâ€Based Snow Representation for Better Streamflow Predictions. <i>Water Resources Research</i> , 2022, 58, .	1.7	3
5658	The impact of regional and catchment characteristics on long-term runoff in small agricultural catchments in Latvia. <i>Water Practice and Technology</i> , 2022, 17, 587-597.	1.0	0
5659	Future Changes in High and Low Flows under the Impacts of Climate and Land Use Changes in the Jiulong River Basin of Southeast China. <i>Atmosphere</i> , 2022, 13, 150.	1.0	9
5660	A Union of Dynamic Hydrological Modeling and Satellite Remotely-Sensed Data for Spatiotemporal Assessment of Sediment Yields. <i>Remote Sensing</i> , 2022, 14, 400.	1.8	3
5661	An assessment of 2 watershed models to meet watershed planning needs. <i>Lake and Reservoir Management</i> , 0, , 1-12.	0.4	0
5662	Assessing Effects of Sediment Delivery to Coral Reefs: A Caribbean Watershed Perspective. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	5
5663	Application of hydrological model to assess river flow in the transboundary cryosphere and data-scarce watershed, a case study: Chitral-Kabul River Basin (C-KRB) in Pakistan. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 3842-3862.	1.0	1
5664	Improving Water Quality Index prediction for water resources management plans in Malaysia: application of machine learning techniques. <i>Geocarto International</i> , 2022, 37, 10058-10075.	1.7	10
5665	Attribution of Changes in Streamflow to Climate Change and Land Cover Change in Yangtze River Source Region, China. <i>Water (Switzerland)</i> , 2022, 14, 259.	1.2	12
5666	Comparison between NARX-NN and HEC-HMS models to simulate Wadi Seghir catchment runoff events in Algerian northern. <i>International Journal of River Basin Management</i> , 2023, 21, 453-465.	1.5	2
5667	Evaluation of Soil Water Content Using SWAT for Southern Saskatchewan, Canada. <i>Water (Switzerland)</i> , 2022, 14, 249.	1.2	12
5668	OpenForecast: An Assessment of the Operational Run in 2020â€2021. <i>Geosciences (Switzerland)</i> , 2022, 12, 67.	1.0	1

#	ARTICLE	IF	CITATIONS
5669	Assessing streamflow modeling using single and multi-site calibration approach on Bharathpuzha catchment, India: a case study. <i>Modeling Earth Systems and Environment</i> , 0, , .	1.9	5
5670	Investigating the impact of calibration timescales on streamflow simulation, parameter sensitivity and model performance for Indian catchments. <i>Hydrological Sciences Journal</i> , 2022, 67, 661-675.	1.2	3
5671	Subâ€œSeasonal Prediction of Drought and Streamflow Anomalies for Water Management in India. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	5
5672	Impacts of Climate Alteration on the Hydrology of the Yarra River Catchment, Australia Using GCMs and SWAT Model. <i>Water (Switzerland)</i> , 2022, 14, 445.	1.2	3
5673	Effects of different cropping systems on ammonia nitrogen load in a typical agricultural watershed of South China. <i>Journal of Contaminant Hydrology</i> , 2022, 246, 103963.	1.6	10
5674	Flux and spatial pattern of phosphorus in the Shigatse section of the Yarlung Zangbo River, China. <i>Ecological Indicators</i> , 2022, 135, 108552.	2.6	1
5675	Short-term hydropower optimization driven by innovative time-adapting econometric model. <i>Applied Energy</i> , 2022, 310, 118510.	5.1	25
5676	No-tillage implementation: Analyzis on water-based sediment flow in the Marombas River, Brazil. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2022, 26, 204-211.	0.4	0
5677	The accuracy of the Sentinel-3A altimetry over Polish rivers. <i>Journal of Hydrology</i> , 2022, 606, 127355.	2.3	11
5678	Streamflow decline threatens water security in the upper Yangtze river. <i>Journal of Hydrology</i> , 2022, 606, 127448.	2.3	22
5679	Croplands decreased stability of streamflow with changing climate: An investigation of catchments in Illinois. <i>Journal of Hydrology</i> , 2022, 606, 127461.	2.3	6
5680	Multi-site calibration of hydrological model and the response of water balance components to land use land cover change in a rift valley Lake Basin in Ethiopia. <i>Scientific African</i> , 2022, 15, e01093.	0.7	5
5681	Large-scale sediment modeling with inertial flow routing: Assessment of Madeira river basin. <i>Environmental Modelling and Software</i> , 2022, 149, 105332.	1.9	6
5682	Combined use of crop yield statistics and remotely sensed products for enhanced simulations of evapotranspiration within an agricultural watershed. <i>Agricultural Water Management</i> , 2022, 264, 107503.	2.4	7
5683	Implementing Early Warning Systems in WWTP. An investigation with cost-effective LED-VIS spectroscopy-based genetic algorithms. <i>Chemosphere</i> , 2022, 293, 133610.	4.2	6
5684	Assessment of the WRF-Hydro uncoupled hydro-meteorological model on flashy watersheds of the Grande Terre tropical island of New Caledonia (South-West Pacific). <i>Journal of Hydrology: Regional Studies</i> , 2022, 40, 101003.	1.0	7
5685	The role of climate change and vegetation greening on evapotranspiration variation in the Yellow River Basin, China. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108842.	1.9	54
5686	Multi-model integrated error correction for streamflow simulation based on Bayesian model averaging and dynamic system response curve. <i>Journal of Hydrology</i> , 2022, 607, 127518.	2.3	6

#	ARTICLE	IF	CITATIONS
5687	Assessing the characteristics of recent drought events in South Korea using WRF-Hydro. Journal of Hydrology, 2022, 607, 127459.	2.3	19
5688	Reduced runoff and sediment loss under alternative land capability-based land use and management options in a sub-humid watershed of Ethiopia. Journal of Hydrology: Regional Studies, 2022, 40, 100998.	1.0	11
5689	Modelling effects of forest fire and post-fire management in a catchment prone to erosion: Impacts on sediment yield. Catena, 2022, 212, 106080.	2.2	9
5690	A step towards mapping rainfall erosivity for India using high-resolution GPM satellite rainfall products. Catena, 2022, 212, 106067.	2.2	16
5691	Metabolic scaling of stream dissolved oxygen across the U.S. Atlantic Coast. Science of the Total Environment, 2022, 821, 153292.	3.9	1
5692	Evaluation of the impacts of human activities on propagation from meteorological drought to hydrological drought in the Weihe River Basin, China. Science of the Total Environment, 2022, 819, 153030.	3.9	58
5693	Land-use changes and precipitation cycles to understand hydrodynamic responses in semiarid Mediterranean karstic watersheds. Science of the Total Environment, 2022, 819, 153182.	3.9	14
5694	Integrated Simulation of Surfacewater-Groundwater (SW-GW) Interactions Using SWAT-MODFLOW (Case study: Shiraz Basin, Iran). , 2022, , 113-131.		2
5697	Identification of priority management practices for soil erosion control through estimation of runoff and sediment yield using soil and water assessment tool on Salma watershed in Afghanistan. Irrigation and Drainage, 2022, 71, 804-822.	0.8	1
5698	Simulating the Effects of Conventional Tillage Versus No-Tillage on Nitrogen Uptake and Utilization of Winter Wheat with RZWQM2 in a 7-year Field Experiment. International Journal of Plant Production, 2022, 16, 153.	1.0	1
5699	Assessing the Effect of Land-Use and Land-Cover Changes on Discharge and Sediment Yield in a Rural Coal-Mine Dominated Watershed in Kentucky, USA. Water (Switzerland), 2022, 14, 516.	1.2	8
5700	Climate Change Impacts on Agricultural Water Availability in the Middle Rio Grande Basin. Journal of the American Water Resources Association, 0, , .	1.0	3
5701	Global solar radiation predictions in Fiji Islands based on empirical models. AEJ - Alexandria Engineering Journal, 2022, 61, 8555-8571.	3.4	17
5702	Modelling climate change impact on soil erosion in a watershed of north-western Lesser Himalayan region. Journal of Sedimentary Environments, 2022, 7, 125-146.	0.7	13
5703	Frequency-based performance measure for hydrologic model evaluation. Journal of Hydrology, 2022, 608, 127583.	2.3	4
5704	Hydrological Effects of Agricultural Water Supplies on Paddy Fields using Surface-Groundwater Integrated Model. Water (Switzerland), 2022, 14, 460.	1.2	0
5705	Understanding land use/land cover and climate change impacts on hydrological components of Usri watershed, India. Applied Water Science, 2022, 12, 1.	2.8	19
5706	Impacts of parameter uncertainty on baseflow separation by a two-parameter recursive digital filter. Hydrological Processes, 2022, 36, .	1.1	3

#	ARTICLE	IF	CITATIONS
5707	River Stage Modeling with a Deep Neural Network Using Long-Term Rainfall Time Series as Input Data: Application to the Shimanto-River Watershed. <i>Water (Switzerland)</i> , 2022, 14, 452.	1.2	2
5708	Numerical Modeling of a Hot Plate Stove for Peanut Roasting. <i>Journal of Engineering (United States)</i> , 2022, 2022, 1-12.	0.5	2
5709	Estimation of the natural background of phosphate in a lowland river using tidal marsh sediment cores. <i>Biogeosciences</i> , 2022, 19, 763-776.	1.3	3
5710	Optimizing sowing window, cultivar choice, and plant density to boost maize yield under RCP8.5 climate scenario of CMIP5. <i>International Journal of Biometeorology</i> , 2022, 66, 971-985.	1.3	22
5711	Accounting for interactions between Sustainable Development Goals is essential for water pollution control in China. <i>Nature Communications</i> , 2022, 13, 730.	5.8	97
5712	Near real-time hurricane rainfall forecasting using convolutional neural network models with Integrated Multi-satellite Retrievals for GPM (IMERG) product. <i>Atmospheric Research</i> , 2022, 270, 106037.	1.8	18
5713	Effects of Afforestation Projects on Tradeoffs between Ecosystem Services: A Case Study of the Guanting Reservoir Basin, China. <i>Forests</i> , 2022, 13, 232.	0.9	6
5714	Multi-site multi-objective calibration of SWAT model using a large dataset for improved performance in Ethiopia. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	7
5715	Conservation Policy Changes in Protected Areas on Hilltops in Brazil: Effects on Hydrological Response in a Small Watershed. <i>Water Resources Management</i> , 2022, 36, 1251.	1.9	2
5716	Global Evaluation of the Noah-MP Land Surface Model and Suggestions for Selecting Parameterization Schemes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	17
5717	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.	1.3	7
5718	Transience of Riparian Freshwater Lenses. <i>Water Resources Research</i> , 2022, 58, .	1.7	3
5719	Assessment of global solar radiation estimates across different regions of Togo, West Africa. <i>Meteorology and Atmospheric Physics</i> , 2022, 134, 1.	0.9	8
5720	A study on availability of ground observations and its impacts on bias correction of satellite precipitation products and hydrologic simulation efficiency. <i>Journal of Hydrology</i> , 2022, 610, 127595.	2.3	20
5721	Adaptation of satellite-based precipitation product to study runoff and sediment of Indian River watersheds. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	8
5722	Spatial modeling of soil organic carbon using remotely sensed indices and environmental field inventory variables. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 152.	1.3	4
5723	Simulating Discharge in a Non-Dammed River of Southeastern South America Using SWAT Model. <i>Water (Switzerland)</i> , 2022, 14, 488.	1.2	1
5724	A catchment scale assessment of water balance components: a case study of Chittar catchment in South India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 72384-72396.	2.7	3

#	ARTICLE	IF	CITATIONS
5725	Impact of future climate change on river discharge and groundwater recharge: a case study of Ho Chi Minh City, Vietnam. <i>Journal of Water and Climate Change</i> , 2022, 13, 1313-1325.	1.2	7
5726	A stacking neuro-fuzzy framework to forecast runoff from distributed meteorological stations. <i>Applied Soft Computing Journal</i> , 2022, 118, 108535.	4.1	8
5727	Thermally derived evapotranspiration from the Surface Temperature Initiated Closure (STIC) model improves cropland GPP estimates under dry conditions. <i>Remote Sensing of Environment</i> , 2022, 271, 112901.	4.6	10
5728	Sensors and frequencies of soil water content measurement affecting agro-hydrological simulations and irrigation management. <i>Computers and Electronics in Agriculture</i> , 2022, 194, 106763.	3.7	0
5729	Calibration of a continuous hydrologic simulation model in the urban Gowrie Creek catchment in Toowoomba, Australia. <i>Journal of Hydrology: Regional Studies</i> , 2022, 40, 101021.	1.0	3
5730	The sensitivity of fuel moisture to forest structure effects on microclimate. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108857.	1.9	9
5731	A new approach for estimating spatial-temporal phreatic evapotranspiration at a regional scale using NDVI and water table depth measurements. <i>Agricultural Water Management</i> , 2022, 264, 107500.	2.4	3
5732	Evaluation of Water Provision Ecosystem Services Associated with Land Use/Cover and Climate Variability in the Winike Watershed, Omo Gibe Basin of Ethiopia. <i>Environmental Management</i> , 2022, 69, 367-383.	1.2	20
5733	Application of Different Modelling Methods to Arbitrate Various Hydrological Attributes Using CMORPH and TRMM Satellite Data in Upper Omo-Gibe Basin of Ethiopia. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-11.	0.6	3
5734	Comparison of the Applicability of Different Soil Erosion Models to Predict Soil Erodibility Factor and Event Soil Losses on Loess Slopes in Hungary. <i>Water (Switzerland)</i> , 2021, 13, 3517.	1.2	8
5735	COMPLEMENT METHOD OF MISSING OBSERVATION FLOW DATA BY MEANS OF DEEP LEARNING METHOD. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2021, 77, I_1243-I_1248.	0.0	0
5739	Characteristics of Runoff in Huangshuigou River Basin and Its Future Change Trend. <i>Journal of Water Resources Research</i> , 2022, 11, 42-49.	0.1	0
5740	Modeling Surface Water Availability for Irrigation Development in Mbarali River Sub-Catchment Mbeya, Tanzania. <i>Journal of Geoscience and Environment Protection</i> , 2022, 10, 1-14.	0.2	3
5742	Effects of Finer Scale Soil Survey and Land-Use Classification on SWAT Hydrological Modelling Accuracy in Data-Poor Study Areas. <i>Journal of Water Resource and Protection</i> , 2022, 14, 100-125.	0.3	3
5743	Assessing the Consequences of Large-Scale Stabilization of the Padma River on Its Flow Hydraulics Using a Combined 1D-2D Hydrodynamic Model. , 2022, , 279-296.		2
5744	Curve number estimation using rainfall and runoff data from five catchments in Sudan. <i>Open Geosciences</i> , 2022, 14, 294-303.	0.6	4
5745	Development and validation of a model for soil wetting geometry under Moistube Irrigation. <i>Scientific Reports</i> , 2022, 12, 2737.	1.6	2
5747	Comparison of flow simulations with sub-daily and daily GPM IMERG products over a transboundary Chenab River catchment. <i>Journal of Water and Climate Change</i> , 2022, 13, 1204-1224.	1.2	2

#	ARTICLE	IF	CITATIONS
5748	Economic Impact of Climate Change on the Implementation of Best Management Practices in the Fort Cobb Watershed. <i>Journal of the American Water Resources Association</i> , 2022, 58, 1307-1325.	1.0	1
5749	Dynamic Modeling Framework of Sediment Trapped by Check-Dam Networks: A Case Study of a Typical Watershed on the Chinese Loess Plateau. <i>Engineering</i> , 2022, , .	3.2	7
5750	Model Selection and Applications for Total Maximum Daily Load Development. , 2022, , 319-356.		0
5751	Assessment of the effects of agricultural management practices on soil erosion and sediment yield in Rib watershed, Ethiopia. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	1
5752	Nutrient transport and transformation in macrotidal estuaries of the French Atlantic coast: a modeling approach using the Carbon-Generic Estuarine Model. <i>Biogeosciences</i> , 2022, 19, 931-955.	1.3	10
5753	Operational daily evapotranspiration mapping at field scale based on SSEBop model and spatiotemporal fusion of multi-source remote sensing data. <i>PLoS ONE</i> , 2022, 17, e0264133.	1.1	2
5754	Predicting daily pore water pressure in embankment dam: Empowering Machine Learning-based modeling. <i>Environmental Science and Pollution Research</i> , 2022, 29, 47382-47398.	2.7	17
5755	Model Calibration and Validation. , 2022, , 215-269.		2
5756	Future Climate-Driven Runoff Change in the Large River Basins in Eastern Siberia and the Far East Using Process-Based Hydrological Models. <i>Water (Switzerland)</i> , 2022, 14, 609.	1.2	9
5757	A Combination of Metaheuristic Optimization Algorithms and Machine Learning Methods Improves the Prediction of Groundwater Level. <i>Water (Switzerland)</i> , 2022, 14, 751.	1.2	15
5758	Water Use and Soil Water Balance of Mediterranean Vineyards under Rainfed and Drip Irrigation Management: Evapotranspiration Partition and Soil Management Modelling for Resource Conservation. <i>Water (Switzerland)</i> , 2022, 14, 554.	1.2	19
5759	Spatiotemporal features of pollutant loads in the Yan River Basin, a typical loess hilly and gully watershed in the Chinese Loess Plateau. <i>Geoscience Letters</i> , 2022, 9, .	1.3	1
5760	Incorporating the Fillingâ€“Spilling Feature of Depressions into Hydrologic Modeling. <i>Water (Switzerland)</i> , 2022, 14, 652.	1.2	2
5762	Estimating Chinaâ€™s Population over 21st Century: Spatially Explicit Scenarios Consistent with the Shared Socioeconomic Pathways (SSPs). <i>Sustainability</i> , 2022, 14, 2442.	1.6	4
5763	Spatiotemporal variability and change in rainfall in the Oti River Basin, West Africa. <i>Journal of Water and Climate Change</i> , 2022, 13, 1151-1169.	1.2	7
5764	Developing Ecological Flow Needs in a Highly Altered Region: Application of California Environmental Flows Framework in Southern California, USA. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	4
5765	An Efficient Data Driven-Based Model for Prediction of the Total Sediment Load in Rivers. <i>Hydrology</i> , 2022, 9, 36.	1.3	38
5766	Developing a DEM and Elucidating through SWAT to Conserve Soil in Kulfo Watershed of Rift Valley Basin, Ethiopia. <i>Applied and Environmental Soil Science</i> , 2022, 2022, 1-8.	0.8	0

#	ARTICLE	IF	CITATIONS
5768	Analysis of the Periodic Component of Vertical Land Motion in the Po Delta (Northern Italy) by GNSS and Hydrological Data. <i>Remote Sensing</i> , 2022, 14, 1126.	1.8	3
5769	Integrating a GIS-based approach and a SWAT model to identify potential suitable sites for rainwater harvesting in Rwanda. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2022, 71, 415-432.	0.6	4
5770	Calibration and Validation of SWAT Model by Using Hydrological Remote Sensing Observables in the Lake Chad Basin. <i>Remote Sensing</i> , 2022, 14, 1511.	1.8	21
5771	Yields and Nitrogen Dynamics in Ley-Arable Systemsâ€”Comparing Different Approaches in the APSIM Model. <i>Agronomy</i> , 2022, 12, 738.	1.3	2
5772	Impact of land use and land cover dynamics on ecologically-relevant flows and blue-green water resources. <i>Ecohydrology and Hydrobiology</i> , 2022, 22, 420-434.	1.0	8
5773	Storm event analysis of four forested catchments on the Atlantic coastal plain using a modified SCS-CN rainfall-runoff model. <i>Journal of Hydrology</i> , 2022, 608, 127772.	2.3	9
5774	Land conservation based on erosion and sedimentation rate (case study of Genting Watershed) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	1.2	2
5775	Temporal variabilities of soil carbon dioxide fluxes from cornfield impacted by temperature and precipitation changes through high-frequent measurement and DAYCENT modeling. <i>Journal of Agricultural Science</i> , 0, , 1-52.	0.6	0
5776	Probabilistic assessment of geosynthetic reinforced soil walls using ANN-based response surface method. <i>Georisk</i> , 2023, 17, 467-489.	2.6	1
5777	Long-Term Vegetation Phenology Changes and Responses to Preseason Temperature and Precipitation in Northern China. <i>Remote Sensing</i> , 2022, 14, 1396.	1.8	39
5778	The Impact of Climate Change on Hydrological Processes of the Glacierized Watershed and Projections. <i>Remote Sensing</i> , 2022, 14, 1314.	1.8	11
5779	Modeling Functional Flows in Californiaâ€™s Rivers. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	6
5780	Examining subsurface response to an extreme precipitation event using HYDRUSâ€™1D. <i>Vadose Zone Journal</i> , 2022, 21, .	1.3	2
5781	Evaluation of the suitability of NCEP/NCAR, ERA-Interim and, ERA5 reanalysis data sets for statistical downscaling in the Eastern Black Sea Basin, Turkey. <i>Meteorology and Atmospheric Physics</i> , 2022, 134, 1.	0.9	12
5782	Examination of the Performance of a Three-Phase Atmospheric Turbulence Model for Line-Source Dispersion Modeling Using Multiple Air Quality Datasets. <i>J</i> , 2022, 5, 198-213.	0.6	1
5783	Coupling fieldâ€™scale and watershed models for regulatory modeling of pesticide aquatic exposures in streams. <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 1678-1693.	1.6	2
5784	Impact of Forest Conversion to Agriculture on Hydrologic Regime in the Large Basin in Vietnam. <i>Water (Switzerland)</i> , 2022, 14, 854.	1.2	3
5785	Evaluation of Future Streamflow in the Upper Part of the Nilwala River Basin (Sri Lanka) under Climate Change. <i>Hydrology</i> , 2022, 9, 48.	1.3	14

#	ARTICLE	IF	CITATIONS
5786	Uncertainty Evaluation of Best Management Practice Effectiveness Based on the AnnAGNPS Model. <i>Water Resources Management</i> , 2022, 36, 1307-1321.	1.9	7
5787	Applying non-parametric Bayesian networks to estimate maximum daily river discharge: potential and challenges. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1695-1711.	1.9	2
5788	Intense Pasture Management in Brazil in an Integrated Crop-Livestock System Simulated by the DayCent Model. <i>Sustainability</i> , 2022, 14, 3517.	1.6	5
5789	DÄ°NAMÄ°K SU BÄœTÄ†ESÄ° MODELÄ°NE DESTEK VEKTÄ–R REGRESYONU ENTEGRASYONU. <i>UludaÄŸ University Journal of the Faculty of Engineering</i> , 0, , 237-250.	0.2	0
5790	Soil Salinity Detection and Mapping in an Environment under Water Stress between 1984 and 2018 (Case of the Largest Oasis in Africa-Morocco). <i>Remote Sensing</i> , 2022, 14, 1606.	1.8	19
5791	Climate Change Alters Soil Water Dynamics under Different Land Use Types. <i>Sustainability</i> , 2022, 14, 3908.	1.6	11
5792	A dynamic model for temperature prediction in a faÅšade-integrated photobioreactor. <i>Chemical Engineering Research and Design</i> , 2022, 181, 371-383.	2.7	5
5793	Contribution of Hydrological Model Calibration Uncertainty to Future Hydrological Projections over Various Temporal Scales. , 2022, , 420-444.		0
5794	Projected change in precipitation forms in the Chinese Tianshan Mountains based on the Back Propagation Neural Network Model. <i>Journal of Mountain Science</i> , 2022, 19, 689-703.	0.8	3
5795	Long-term trends and projections of hydrological fluxes under RCP climate change scenarios for a mountainous river catchment of northeast India. <i>Journal of Water and Climate Change</i> , 2022, 13, 1776-1789.	1.2	4
5796	Predicting Daily Suspended Sediment Load Using Machine Learning and NARX Hydro-Climatic Inputs in Semi-Arid Environment. <i>Water (Switzerland)</i> , 2022, 14, 862.	1.2	9
5797	FluOil: A Novel Tool for Modeling the Transport of Oil-Particle Aggregates in Inland Waterways. <i>Frontiers in Water</i> , 2022, 3, .	1.0	3
5798	A comprehensive intercomparison study between a lumped and a fully distributed hydrological model across a set of 50 catchments in the <sc>United Kingdom</sc>. <i>Hydrological Processes</i> , 2022, 36, .	1.1	2
5799	Potential predictability of suspended sediment concentration in the data constrained regions of the Mahanadi River basin, Eastern India. <i>International Journal of River Basin Management</i> , 2023, 21, 467-487.	1.5	3
5800	Rangeland restoration in Jordan: Restoring vegetation cover by water harvesting measures. <i>International Soil and Water Conservation Research</i> , 2022, 10, 610-622.	3.0	5
5801	Streamflow Prediction in Highly Regulated, Transboundary Watersheds Using Multiâ€Basin Modeling and Remote Sensing Imagery. <i>Water Resources Research</i> , 2022, 58, .	1.7	10
5802	Intelligent flow discharge computation in a rectangular channel with free overfall condition. <i>Neural Computing and Applications</i> , 2022, 34, 12601-12616.	3.2	2
5803	Impacts of reservoir operation and urbanization on flood inundation in the Vu Gia Thu Bon Basin, Vietnam. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 4656-4675.	1.0	3

#	ARTICLE	IF	CITATIONS
5804	Changes in Irrigation Planning and Development Parameters Due to Climate Change. <i>Water Resources Management</i> , 2022, 36, 1711-1726.	1.9	9
5805	Assessment of Pediatric Cancer and Its Relationship to Environmental Contaminants: An Ecological Study in Idaho. <i>GeoHealth</i> , 2022, 6, e2021GH000548.	1.9	5
5806	The Inhibitory Effect of Free Nitrous Acid and Free Ammonia on the Anoxic Phosphorus Uptake Rate of Polyphosphate-Accumulating Organisms. <i>Energies</i> , 2022, 15, 2108.	1.6	2
5807	Poultry manure effects on Yield and Some agronomic components of Soybean (<i>Glycine max L.</i>) under Khost Agro-Ecological Conditions, Afghanistan. <i>International Journal of Agriculture Environment and Food Sciences</i> , 0, , 1-6.	0.2	1
5808	Multi-driver ensemble to evaluate the water utility business interruption cost induced by hydrological drought risk scenarios in Brazil. <i>Urban Water Journal</i> , 2023, 20, 1517-1531.	1.0	1
5809	Application of Machine Learning to Investigate the Impact of Climatic Variables on Marine Fish Landings. <i>The National Academy of Sciences, India</i> , 2022, 45, 245-248.	0.8	3
5810	Soil water infiltration evaluation from punctual to hillslope scales. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 300.	1.3	2
5811	On the evaluation of climate change impact models. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2022, 13, .	3.6	14
5812	Application of swat hydrological model to assess the impacts of land use change on sediment loads. <i>International Journal of Agriculture Environment and Food Sciences</i> , 2022, 6, 108-120.	0.2	3
5813	Prediction of Flow Based on a CNN-LSTM Combined Deep Learning Approach. <i>Water (Switzerland)</i> , 2022, 14, 993.	1.2	48
5814	Filling Temporal Gaps within and between GRACE and GRACE-FO Terrestrial Water Storage Records: An Innovative Approach. <i>Remote Sensing</i> , 2022, 14, 1565.	1.8	12
5815	Estimation of fish assessment index based on ensemble artificial neural network for aquatic ecosystem in South Korea. <i>Ecological Indicators</i> , 2022, 136, 108708.	2.6	9
5816	Drivers of Dust-Enhanced Snowpack Melt-Out and Streamflow Timing. <i>Hydrology</i> , 2022, 9, 47.	1.3	2
5817	Revealing the paleolandscape features around the archaeological sites in the northern Nile Delta of Egypt using radar satellite imagery and GEE platform. <i>Archaeological Prospection</i> , 2022, 29, 369-384.	1.1	4
5818	Time to Update the Split-Sample Approach in Hydrological Model Calibration. <i>Water Resources Research</i> , 2022, 58, .	1.7	57
5819	Impact of the second phase of the eastern route of South-to-North water diversion project on distribution of nitrogen and phosphorus in Hongze Lake. <i>Water Science and Technology</i> , 2022, 85, 2398-2411.	1.2	4
5821	Multifractal characterisation of overland flow of nature-based solutions scenarios. <i>Hydrological Sciences Journal</i> , 2022, 67, 1054-1064.	1.2	2
5822	Hydrological impacts of climate and land-use change in Western Ghats, India. <i>Regional Environmental Change</i> , 2022, 22, 1.	1.4	11

#	ARTICLE	IF	CITATIONS
5823	1 to 1000 Policy: Controlling Phosphorous Pollution from Tea Farms with Bioretention Cells. Applied Sciences (Switzerland), 2022, 12, 2661.	1.3	0
5824	Influence of weather conditions and projected climate change scenarios on the suitability of <i>Vitis vinifera</i> cv. Carignan in Rioja DOCa, Spain. International Journal of Biometeorology, 2022, 66, 1067-1078.	1.3	7
5825	The utilisation of conceptual and data-driven models for hydrological modelling in semi-arid and humid areas of the Antalya basin in Turkey. Acta Geophysica, 2022, 70, 897-915.	1.0	1
5826	Evaluating the effects of soil data quality on the SWAT runoff prediction Performance; A case study of Saz-Cayirova catchment, Turkey. Urban Water Journal, 0, , 1-16.	1.0	1
5827	Effects of the Three Gorges Dam on the downstream streamflow based on a large-scale hydrological and hydrodynamics coupled model. Journal of Hydrology: Regional Studies, 2022, 40, 101039.	1.0	5
5828	Using a regionalisation approach to evaluate streamflow simulated by an ecohydrological model calibrated with global land surface evaporation from remote sensing. Journal of Hydrology: Regional Studies, 2022, 40, 101042.	1.0	3
5829	Coastal erosion trend analysis using a combination of remote sensing and hydrodynamic models: Case study of Ca Mau Cape, Mekong Delta. Remote Sensing Applications: Society and Environment, 2022, 26, 100734.	0.8	2
5830	Modeling the Hydrologic Influence of Subsurface Tile Drainage Using the National Water Model. Water Resources Research, 2022, 58, .	1.7	9
5831	Application of Regularized Dynamic System Response Curve for Runoff Correction Based on HBV Model: Case Study of Shiquan Catchment, China. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	0.8	2
5832	Assessing the impacts of human interventions and climate change on fluvial flooding using CMIP6 data and GIS-based hydrologic and hydraulic models. Geocarto International, 2022, 37, 11483-11508.	1.7	8
5833	Estimating Reservoir Inflow and Outflow From Water Level Observations Using Expert Knowledge: Dealing With an Ill-Posed Water Balance Equation in Reservoir Management. Water Resources Research, 2022, 58, .	1.7	11
5834	Interpretation of ensemble learning to predict water quality using explainable artificial intelligence. Science of the Total Environment, 2022, 832, 155070.	3.9	54
5835	Short-Term and Long-Term Replenishment of Water Storage Influenced by Lockdown and Policy Measures in Drought-Prone Regions of Central India. Remote Sensing, 2022, 14, 1768.	1.8	0
5836	Evaluation of the impact of the Gully Land Consolidation Project on runoff under extreme rainfall. Land Degradation and Development, 2022, 33, 2663-2676.	1.8	4
5837	Assessing the synergic effect of land use and climate change on the upper Betwa River catchment in Central India under present, past, and future climate scenarios. Environment, Development and Sustainability, 2023, 25, 5163-5184.	2.7	6
5838	Dynamic calibration of phytoplankton blooms using the modified SWAT model. Journal of Cleaner Production, 2022, 343, 131005.	4.6	7
5839	Source, fate, transport and modelling of selected emerging contaminants in the aquatic environment: Current status and future perspectives. Water Research, 2022, 217, 118418.	5.3	95
5840	Multiobjective Optimization of Agricultural Planning Considering Climate Change Impacts: Minab Reservoir Upstream Watershed in Iran. Journal of Irrigation and Drainage Engineering - ASCE, 2022, 148, .	0.6	11

#	ARTICLE	IF	CITATIONS
5841	Impact of climate change on water availability in Marsyangdi river basin, Nepal. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 1407-1423.	1.0	1
5842	Sensitivity of the land surface hydrological cycle to human activities in China. Gondwana Research, 2023, 123, 255-264.	3.0	5
5843	Modeling Groundwater Nitrate Contamination Using Artificial Neural Networks. Water (Switzerland), 2022, 14, 1173.	1.2	8
5844	Optimal Band Selection for Airborne Hyperspectral Imagery to Retrieve a Wide Range of Cyanobacterial Pigment Concentration Using a Data-Driven Approach. Remote Sensing, 2022, 14, 1754.	1.8	2
5845	Evaluating the Performance of Satellite-Based Precipitation Products Using Gauge Measurement and Hydrological Modeling: A Case Study in a Dry Basin of Northwest China. Journal of Hydrometeorology, 2022, 23, 541-559.	0.7	3
5846	Efficiency assessment of best management practices in sediment reduction by investigating cost-effective tradeoffs. Agricultural Water Management, 2022, 265, 107546.	2.4	11
5847	Runoff Prediction under Different Precipitation Scenarios Based on SWAT Model and Stochastic Simulation of Precipitation. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	0.8	4
5848	Improved runoff forecasting performance through error predictions using a deep-learning approach. Journal of Hydrology, 2022, 608, 127653.	2.3	27
5849	Future climate change impacts on mulched maize production in an arid irrigation area. Agricultural Water Management, 2022, 266, 107550.	2.4	3
5850	Are spatial distribution and aggregation of wetlands reliable indicators of stream flow mitigation?. Journal of Hydrology, 2022, 608, 127646.	2.3	5
5851	A comparison of performance of SWAT and machine learning models for predicting sediment load in a forested Basin, Northern Spain. Catena, 2022, 212, 105953.	2.2	24
5852	Advancing prediction of emerging contaminants in a tropical reservoir with general water quality indicators based on a hybrid process and data-driven approach. Journal of Hazardous Materials, 2022, 430, 128492.	6.5	11
5853	Balancing water reuse and ecological support goals in an effluent dominated river. Journal of Hydrology X, 2022, 15, 100124.	0.8	5
5854	Comparison of simulated nitrogen management strategies using DRAINMOD-DSSAT and RZWQM2. Agricultural Water Management, 2022, 266, 107597.	2.4	3
5855	Novel variable reconstruction and friction term discretisation schemes for hydrodynamic modelling of overland flow and surface water flooding. Advances in Water Resources, 2022, 163, 104187.	1.7	13
5856	Basin-Wide Water Resources Management Strategies Improve Cooperation Effectiveness and Benefits. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	1.3	1
5857	Using biodiversity response for prioritizing participants and service provisions in a payment-for-water-storage program in the Everglades basin. Journal of Hydrology, 2022, 609, 127618.	2.3	1
5858	Evaluation of bankfull stage from plotted channel geometries. Journal of Hydrology: Regional Studies, 2022, 41, 101052.	1.0	1

#	ARTICLE	IF	CITATIONS
5859	Prediction of enteric methane production and yield in dairy cattle using a Latin America and Caribbean database. <i>Science of the Total Environment</i> , 2022, 825, 153982.	3.9	10
5860	Real-time porosity prediction using gas-while-drilling data and machine learning with reservoir associated gas: Case study for Hassi Messaoud field, Algeria. <i>Marine and Petroleum Geology</i> , 2022, 140, 105631.	1.5	6
5861	Characterising flow regimes in a semi-arid region with limited data availability: The Nil Wadi case study (Algeria). <i>Journal of Hydrology: Regional Studies</i> , 2022, 41, 101062.	1.0	4
5862	Application of satellite and reanalysis precipitation products for hydrological modeling in the data-scarce PorijÄugi catchment, Estonia. <i>Journal of Hydrology: Regional Studies</i> , 2022, 41, 101070.	1.0	8
5863	Performance of the AquaCrop model for corn hybrids under different irrigation strategies. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2022, 26, 441-450.	0.4	1
5864	Evaluation of sediment connectivity through physically-based erosion modeling of landscape factor at the event scale. <i>Catena</i> , 2022, 213, 106165.	2.2	2
5865	Identification of multilevel priority management areas for diffuse pollutants based on streamflow continuity in a water-deficient watershed. <i>Journal of Cleaner Production</i> , 2022, 351, 131322.	4.6	3
5866	Assessing irrigation mitigating drought impacts on crop yields with an integrated modeling framework. <i>Journal of Hydrology</i> , 2022, 609, 127760.	2.3	14
5867	Effectiveness of best management practices for non-point source agricultural water pollution control with changing climate – Lithuania’s case. <i>Agricultural Water Management</i> , 2022, 267, 107635.	2.4	19
5868	A coupled modeling approach to assess the effect of forest policies in water provision: A biophysical evaluation of a drought-prone rural catchment in south-central Chile. <i>Science of the Total Environment</i> , 2022, 830, 154608.	3.9	4
5869	Using an object-based machine learning ensemble approach to upscale evapotranspiration measured from eddy covariance towers in a subtropical wetland. <i>Science of the Total Environment</i> , 2022, 831, 154969.	3.9	7
5870	CFD analysis of a flat bottom institutional cookstove. <i>Scientific African</i> , 2022, 16, e01117.	0.7	2
5871	Estimation Models for Soil Water Content and Rainfall in Andong. <i>Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe</i> , 2021, 54, 486-503.	0.1	1
5872	Determining Hydrological Variability Using a Multi-Catchment Model Approach for the Western Cape, South Africa. <i>Sustainability</i> , 2021, 13, 14058.	1.6	8
5873	Modeling Basin-Scale Impacts of Cultivation Practices on Cotton Yield and Water Conservation under Various Hydroclimatic Regimes. <i>Agriculture (Switzerland)</i> , 2022, 12, 17.	1.4	1
5874	Optimized Main Ditch Water Control for Agriculture in Northern Huaihe River Plain, Anhui Province, China, Using MODFLOW Groundwater Table Simulations. <i>Water (Switzerland)</i> , 2022, 14, 29.	1.2	5
5875	Ajuste e ValidaÃ§Ã£o de EquaÃ§Ãµes IDF a Partir de Dados PluviomÃ©tricos para Cidades do Estado de Pernambuco, Brasil. <i>Revista Brasileira De Meteorologia</i> , 2021, 36, 713-721.	0.2	1
5876	AnÃ¡lisis de la precipitaciÃ³n y la evaporaciÃ³n en el Orinoco colombiano segÃºn los modelos climÃ¡ticos regionales del experimento CORDEX-CORE. <i>TecnolÃ³gicas</i> , 2021, 24, e2144.	0.1	0

#	ARTICLE	IF	CITATIONS
5877	Modeling Nitrous Oxide Emissions From Large-Scale Intensive Cropping Systems in the Southern Amazon. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	1
5878	Calibration and Validation of AQUACROP and APSIM Models to Optimize Wheat Yield and Water Saving in Arid Regions. <i>Land</i> , 2021, 10, 1375.	1.2	23
5879	Modelling Snowmelt Runoff from Tropical Andean Glaciers under Climate Change Scenarios in the Santa River Sub-Basin (Peru). <i>Water (Switzerland)</i> , 2021, 13, 3535.	1.2	4
5880	Relationship Between Air Temperature and Soil and Plant Surface Temperatures. <i>Journal of Climate Change Research</i> , 2021, 12, 755-766.	0.1	2
5881	Agricultural land suitability assessment for agricultural productivity based on GIS modeling and multi-criteria decision analysis: the case of Tekirdağ province. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 41.	1.3	19
5882	New Modeling Framework for Describing the Pollutant Transport and Removal of Ditch-Pond System in an Agricultural Catchment. <i>Water Resources Research</i> , 2021, 57, .	1.7	10
5883	Estimation of Rainfall from Climatology Data Using Artificial Neural Networks in Palembang City South Sumatera. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 930, 012062.	0.2	0
5884	Coupling Remote Sensing and Hydrological Model for Evaluating the Impacts of Climate Change on Streamflow in Data-Scarce Environment. <i>Sustainability</i> , 2021, 13, 14025.	1.6	10
5885	Hydrological Modeling of Karst Watershed Containing Subterranean River Using a Modified SWAT Model: A Case Study of the Daotian River Basin, Southwest China. <i>Water (Switzerland)</i> , 2021, 13, 3552.	1.2	5
5886	A novel high-resolution gridded precipitation dataset for Peruvian and Ecuadorian watersheds – development and hydrological evaluation. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	6
5887	Optimization Design of Energy-Saving Mixed Flow Pump Based on MIGA-RBF Algorithm. <i>Machines</i> , 2021, 9, 365.	1.2	8
5888	PRECIPITATION SIMULATION USING THE WRF-HYDRO MODEL IN THE MATOPIBA REGION. , 0, , .		0
5889	Quantifying the Contributions of Climate Change and Human Activities to Water Volume in Lake Qinghai, China. <i>Remote Sensing</i> , 2022, 14, 99.	1.8	14
5890	The Small Water Cycle in the Czech Landscape: How Has It Been Affected by Land Management Changes Over Time?. <i>Sustainability</i> , 2021, 13, 13757.	1.6	3
5891	Impact of forcing data and land surface properties on snow simulation in a regional climate model: a case study over the Tianshan Mountains, Central Asia. <i>Journal of Mountain Science</i> , 2021, 18, 3147-3164.	0.8	5
5892	Adaptability evaluation of TRMM over the Tianshan Mountains in central Asia. <i>Mausam</i> , 2016, 67, 625-632.	0.1	5
5893	Russian Rivers Streamflow Forecasting Using Hydrograph Extrapolation Method. <i>Hydrology</i> , 2022, 9, 1.	1.3	9
5894	Impact of Climate Change on the Hydrology of the Forested Watershed That Drains to Lake Erken in Sweden: An Analysis Using SWAT+ and CMIP6 Scenarios. <i>Forests</i> , 2021, 12, 1803.	0.9	15

#	ARTICLE	IF	CITATIONS
5895	Predicting the Hydrological Impacts of Future Climate Change in a Humid-Subtropical Watershed. <i>Atmosphere</i> , 2022, 13, 12.	1.0	4
5896	Efficiencies of best management practices in reducing nitrate pollution of the Sebdlou River, a semi-arid Mediterranean agricultural catchment (North Africa). <i>River Research and Applications</i> , 2022, 38, 613-624.	0.7	4
5897	The Influence of Landcover and Climate Change on the Hydrology of the Minjiang River Watershed. <i>Water (Switzerland)</i> , 2021, 13, 3554.	1.2	10
5898	Spatial variability modeling of soil fertility for improved nutrient management in Northwest Ethiopia. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	5
5899	Impact of Climate Change on the Hydrological Regime of the Yarkant River Basin, China: An Assessment Using Three SSP Scenarios of CMIP6 GCMs. <i>Remote Sensing</i> , 2022, 14, 115.	1.8	25
5900	Evaluating InVEST model for estimating soil loss and sediment export in data scarce regions of the Abbay (Upper Blue Nile) Basin: Implications for land managers. <i>Environmental Challenges</i> , 2021, 5, 100381.	2.0	23
5901	A comparison between lumped and distributed hydrological models for daily rainfall-runoff simulation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 958, 012016.	0.2	3
5902	HydroPy (v1.0): a new global hydrology model written in Python. <i>Geoscientific Model Development</i> , 2021, 14, 7795-7816.	1.3	8
5903	A database system for querying of river networks: facilitating monitoring and prediction applications. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 2832-2846.	1.0	2
5904	Spatiotemporal Variability of Intensity-Duration-Frequency (IDF) Curves in Arid Areas: Wadi AL-Lith, Saudi Arabia as a Case Study. <i>Hydrology</i> , 2022, 9, 6.	1.3	7
5905	Soil enzymes as indicators of soil function: A step toward greater realism in microbial ecological modeling. <i>Global Change Biology</i> , 2022, 28, 1935-1950.	4.2	31
5906	High-resolution climate datasets in hydrological impact studies: Assessing their value in alpine and pre-alpine catchments in southeastern Austria. <i>Journal of Hydrology: Regional Studies</i> , 2021, 38, 100962.	1.0	0
5907	Applications of the SWAT Model for Coastal Watersheds: Review and Recommendations. , 2022, 65, 453-469.		11
5908	A Dynamic Bidirectional Coupling Model for Watershed Water Environment Simulation Based on the Multi-Grid Technique. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
5909	A Study on the Applicability of a Swat Model in Predicting the Water Yield and Water Balance of the Upper Ouamou Catchment in the Republic of Benin. <i>Slovak Journal of Civil Engineering</i> , 2022, 30, 57-66.	0.2	2
5910	Potential of the Coupled WRF/WRF-Hydro Modeling System for Flood Forecasting in the Ouamou River (West Africa). <i>Water (Switzerland)</i> , 2022, 14, 1192.	1.2	7
5911	Application of MLR-PRN model for estimation of arsenic concentration in drinking water: a case study for Åzmir City. <i>Urban Water Journal</i> , 0, , 1-11.	1.0	0
5912	Characteristics of Precipitation and Floods during Typhoons in Guangdong Province. <i>Remote Sensing</i> , 2022, 14, 1945.	1.8	3

#	ARTICLE	IF	CITATIONS
5913	Multi-model evaluation of catchment- and global-scale hydrological model simulations of drought characteristics across eight large river catchments. <i>Advances in Water Resources</i> , 2022, 165, 104212.	1.7	5
5914	Nitrogen isotopic discrimination as a biomarker of between-cow variation in the efficiency of nitrogen utilization for milk production: A meta-analysis. <i>Journal of Dairy Science</i> , 2022, 105, 5004-5023.	1.4	5
5915	Evaluating the hydrological performance of gridded precipitation datasets using GR2M for a mountainous watershed in Turkey. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	3
5916	Modeling the effects of future climate and land-use changes on streamflow in a headwater basin in the Brazilian Caatinga biome. <i>Geocarto International</i> , 2022, 37, 12436-12465.	1.7	6
5917	Identification of soil erosion hot-spot areas for prioritization of conservation measures using the SWAT model in Ribb watershed, Ethiopia. <i>Resources, Environment and Sustainability</i> , 2022, 8, 100059.	2.9	10
5918	Bed Load Transport and Alternation of a Gravel-Bed River Morphology within a Vicinity of Block Ramp: Classical and Numerical Approach. <i>Sustainability</i> , 2022, 14, 4665.	1.6	1
5919	Flow Resistance in Lowland Rivers Impacted by Distributed Aquatic Vegetation. <i>Water Resources Management</i> , 2022, 36, 2257-2273.	1.9	6
5920	Investigating Relationships between Runoffâ€Erosion Processes and Land Use and Land Cover Using Remote Sensing Multiple Gridded Datasets. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 272.	1.4	16
5921	Assessment of soil erosion risk in a semi-arid climate watershed using SWAT model: case of Tata basin, South-East of Morocco. <i>Applied Water Science</i> , 2022, 12, .	2.8	23
5922	The Applicability of Time-Integrated Unit Stream Power for Estimating Bridge Pier Scour Using Noncontact Methods in a Gravel-Bed River. <i>Remote Sensing</i> , 2022, 14, 1978.	1.8	1
5923	Multi-step ahead prediction of hourly influent characteristics for wastewater treatment plants: a case study from North America. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 389.	1.3	8
5924	Hybrid deep CNN-SVR algorithm for solar radiation prediction problems in Queensland, Australia. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 112, 104860.	4.3	35
5925	Adequacy of satellite derived data for streamflow simulation in three Hexi inland river basins, Northwest China. <i>Atmospheric Research</i> , 2022, 274, 106203.	1.8	5
5926	Root-zone soil moisture estimation based on remote sensing data and deep learning. <i>Environmental Research</i> , 2022, 212, 113278.	3.7	14
5927	Evaluation of climate change impact on soil erosion in the integrated farming system based hilly micro-watersheds using Revised Universal Soil Loss Equation. <i>Catena</i> , 2022, 214, 106306.	2.2	10
5936	Simulation of Extreme Hydrometeorological Events under Tropical Conditions Using a Distributed Hydrological Model. , 0, , .		0
5946	Simulation of Temperature and Precipitation under the Climate Change Scenarios. , 0, , 1065-1091.		0
5949	Nitrogen excretion from beef cattle fed a wide range of diets compiled in an intercontinental dataset: a meta-analysis. <i>Journal of Animal Science</i> , 2022, , .	0.2	0

#	ARTICLE	IF	CITATIONS
5950	Potential Impacts of Cropping and Management Interventions on Resilient and Sustainable Irrigation Development in Western Nepal. SSRN Electronic Journal, 0, , .	0.4	0
5951	Analysis on flood control contribution of the Three Georges Reservoir for the Lake Dongting area under basin-wide severe floods of Yangtze River. Hupo Kexue/Journal of Lake Sciences, 2022, 34, 935-944.	0.3	0
5952	Analysis of Floods in Small Catchments Using HBV Conceptual Hydrological Model. Russian Meteorology and Hydrology, 2022, 47, 59-66.	0.2	4
5953	Characteristics of runoff in the three outlets along Jingjiang River and the influence of water supplement by the reservoirs during 1956-2020. Hupo Kexue/Journal of Lake Sciences, 2022, 34, 945-957.	0.3	2
5954	High-resolution simulated water balance and streamflow data set for 1951-2020 for the territory of Poland. Geoscience Data Journal, 2023, 10, 195-207.	1.8	6
5955	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. Soil Use and Management, 2023, 39, 571-587.	2.6	2
5956	Sensitivity analysis of CN using SCS-CN approach, rain gauges and TRMM satellite data assessment into HEC-HMS hydrological model in the upper basin of Oum Er Rbia, Morocco. Modeling Earth Systems and Environment, 2022, 8, 4707-4729.	1.9	7
5957	Modelizaci3n hidrol3gica de la cuenca alta del r3o Nal3n (Asturias) para la determinaci3n de recurso disponible destinado al abastecimiento de agua potable. Ingenier3a Del Agua, 2022, 26, 125-138.	0.2	0
5958	Characterizing the groundwater storage-discharge relationship of small catchments in China. Hydrology Research, 2022, 53, 782-794.	1.1	3
5959	Evaluation of Blue and Green Water Using Combine Stream Flow and Soil Moisture Simulation in Wunna Watershed, India. Water Conservation Science and Engineering, 2022, 7, 211-225.	0.9	4
5960	Assessment of farmers' water and fertilizer practices and perceptions in the North China Plain. Irrigation and Drainage, 2022, 71, 980-996.	0.8	7
5961	Hydrological Modeling in the Chaohu Lake Basin of China-Driven by Open-Access Gridded Meteorological and Remote Sensing Precipitation Products. Water (Switzerland), 2022, 14, 1406.	1.2	4
5962	Recession curve power-law exponent estimation: is there a perfect approach?. Hydrological Sciences Journal, 2022, 67, 1228-1237.	1.2	4
5963	Numerical investigation of the influence of banded sand ditches on water infiltration in fine-textured soil. Water Science and Technology, 2022, 85, 2693-2709.	1.2	0
5964	Change in Hydrological Regimes and Extremes from the Impact of Climate Change in the Largest Tributary of the Tonle Sap Lake Basin. Water (Switzerland), 2022, 14, 1426.	1.2	3
5965	Predicting greenhouse gas fluxes in coastal salt marshes using artificial neural networks. Wetlands, 2022, 42, .	0.7	1
5966	Potential to Reduce Chemical Fertilizer Application in Tea Plantations at Various Spatial Scales. International Journal of Environmental Research and Public Health, 2022, 19, 5243.	1.2	5
5967	Simulation of Pesticide and Metabolite Concentrations Using SWAT+ Landscape Routing and Conditional Management Applications. Water (Switzerland), 2022, 14, 1332.	1.2	6

#	ARTICLE	IF	CITATIONS
5968	Prediction of groundwater table for Chennai Region using soft computing techniques. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	8
5969	Assessing the Water-Resources Potential and Soil Erosion Hotspot Areas for Sustainable Land Management in the Gidabo Watershed, Rift Valley Lake Basin of Ethiopia. Sustainability, 2022, 14, 5262.	1.6	7
5970	Hydrological response of a peri-urban catchment exploiting conventional and unconventional rainfall observations: the case study of Lambro Catchment. Hydrology and Earth System Sciences, 2022, 26, 2093-2111.	1.9	8
5971	Predicting the Effects of Land Use Land Cover and Climate Change on Munneru River Basin Using CA-Markov and Soil and Water Assessment Tool. Sustainability, 2022, 14, 5000.	1.6	8
5972	Urban climate resilience and water insecurity: future scenarios of water supply and demand in Istanbul. Urban Water Journal, 2023, 20, 1336-1347.	1.0	8
5973	Physics-Guided Long Short-Term Memory Network for Streamflow and Flood Simulations in the Lancang-Mekong River Basin. Water (Switzerland), 2022, 14, 1429.	1.2	10
5974	Use of geotechnologies for morphometric analysis of experimental basin in the semiarid region to support hydrological simulation. Revista Engenharia Na Agricultura - REVENG, 0, 30, 19-35.	0.2	1
5975	The effect of reducing per capita water and energy uses on renewable water resources in the water, food and energy nexus. Scientific Reports, 2022, 12, 7582.	1.6	16
5976	Representation of hydrological processes in a rural lowland catchment in Northern Germany using SWAT and SWAT+. Hydrological Processes, 2022, 36, .	1.1	15
5977	Impact of Mountain Reservoir Construction on Groundwater Level in Downstream Loess Areas in Guanzhong Basin, China. Water (Switzerland), 2022, 14, 1470.	1.2	2
5978	Future Snow Changes over the Columbia Mountains, Canada, using a Distributed Snow Model. Climatic Change, 2022, 172, 1.	1.7	4
5979	Prediction of Sediment Yield in a Data-Scarce River Catchment at the Sub-Basin Scale Using Gridded Precipitation Datasets. Water (Switzerland), 2022, 14, 1480.	1.2	9
5980	Quality Assessment of Small Urban Catchments Stormwater Models: A New Approach Using Old Metrics. Hydrology, 2022, 9, 87.	1.3	1
5981	TELEMAC modelling of the influence of the Poyang Lake Hydraulic Project on the habitat of Vallisneria natans. Scientific Reports, 2022, 12, 7278.	1.6	4
5982	The Effects of Agricultural Conservation Practices on the Small Water Cycle: From the Farm- to the Management-Scale. Land, 2022, 11, 683.	1.2	6
5983	Climate change impacts on conventional and flash droughts in the Mekong River Basin. Science of the Total Environment, 2022, 838, 155845.	3.9	14
5984	Temporal Hierarchical Reconciliation for Consistent Water Resources Forecasting Across Multiple Timescales: An Application to Precipitation Forecasting. Water Resources Research, 2022, 58, .	1.7	1
5985	Development of ensemble approaches based on performance of statistical methods for daily streamflow estimation. Hydrological Sciences Journal, 0, , .	1.2	4

#	ARTICLE	IF	CITATIONS
5986	Development and performance evaluation of SCS-CN based hybrid model. <i>Water Science and Technology</i> , 2022, 85, 2479-2502.	1.2	5
5987	Quantifying the effects of land use change and aggregate stormwater management practices on fecal coliform dynamics in a temperate catchment. <i>Science of the Total Environment</i> , 2022, 838, 155608.	3.9	2
5988	A novel analytical model of solute transport in a layered aquifer system with mixing processes in the reservoirs. <i>Environmental Science and Pollution Research</i> , 2022, 29, 67953-67968.	2.7	3
5990	Annual CO ₂ Budget Estimation From Chamber-Based Flux Measurements on Intensively Drained Peat Meadows: Effect of Gap-Filling Strategies. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	2
5991	Forecasting water quality using seasonal ARIMA model by integrating <i>in-situ</i> measurements and remote sensing techniques in Krishnagiri reservoir, India. <i>Water Practice and Technology</i> , 2022, 17, 1230-1252.	1.0	6
5992	The Effect of Climate Change on the Water Supply and Hydraulic Conditions in the Upper Pejibaye River Basin, Cartago, Costa Rica. <i>Hydrology</i> , 2022, 9, 76.	1.3	2
5993	An Improved Approach for Estimating Pan Evaporation Using a New Aerodynamic Mechanism Model. <i>Water Resources Research</i> , 2022, 58, .	1.7	1
5994	Recurrent neural networks for water quality assessment in complex coastal lagoon environments: A case study on the Venice Lagoon. <i>Environmental Modelling and Software</i> , 2022, 154, 105403.	1.9	11
5995	Impact of urbanization and stormwater infrastructure on ephemeral channel transmission loss in a semiarid watershed. <i>Journal of Hydrology: Regional Studies</i> , 2022, 41, 101089.	1.0	1
5996	An ensemble data assimilation approach to improve farm-scale actual evapotranspiration estimation. <i>Agricultural and Forest Meteorology</i> , 2022, 321, 108982.	1.9	7
5997	Effect of Rainfall Infiltration on the Stability of Compacted Embankments. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	6
5998	Hierarchical deep learning model to simulate phytoplankton at phylum/class and genus levels and zooplankton at the genus level. <i>Water Research</i> , 2022, 218, 118494.	5.3	8
5999	Simulating water lateral inflow and its contribution to spatial variations of rainfed wheat yields. <i>European Journal of Agronomy</i> , 2022, 137, 126515.	1.9	4
6000	A watershed-scale assessment of climate change impacts on crop yields in Atlantic Canada. <i>Agricultural Water Management</i> , 2022, 269, 107680.	2.4	11
6001	A forage brassica simulation model using APSIM: Model calibration and validation across multiple environments. <i>European Journal of Agronomy</i> , 2022, 137, 126517.	1.9	2
6002	Soil water hydraulic redistribution in a subtropical monsoon evergreen forest. <i>Science of the Total Environment</i> , 2022, 835, 155437.	3.9	3
6003	Simulating annual runoff retention performance of extensive green roofs: A comparison of four climatic regions in China. <i>Journal of Hydrology</i> , 2022, 610, 127871.	2.3	5
6004	Entropy-based Model for Gully Erosion – A combination of probabilistic and deterministic components. <i>Science of the Total Environment</i> , 2022, 836, 155629.	3.9	1

#	ARTICLE	IF	CITATIONS
6005	Using the WEI+ index to evaluate water scarcity at highly regulated river basins with conjunctive uses of surface and groundwater resources. <i>Science of the Total Environment</i> , 2022, 836, 155754.	3.9	7
6006	Influence of climate and land-use changes on the sensitivity of SWAT model parameters and water availability in a semi-arid river basin. <i>Catena</i> , 2022, 215, 106298.	2.2	30
6007	Responses of evapotranspiration to changing climate for the past six decades in the upper catchment of the Olifants River basin. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 983, 012072.	0.2	0
6009	Application of HEC-HMS for runoff simulation of Gojeb Watershed, Southwest Ethiopia. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 4687-4705.	1.9	6
6010	Grid-quantification study on the effect of rapid urbanization on hydrological processes. <i>Water Science and Technology: Water Supply</i> , 0, , .	1.0	1
6011	Temporal disaggregation of hourly precipitation under changing climate over the Southeast United States. <i>Scientific Data</i> , 2022, 9, 211.	2.4	14
6012	Assessment of the hydrological impact of land use/cover changes in a semi-arid basin using the SWAT model (case of the Oued Saâda basin in western Algeria). <i>Modeling Earth Systems and Environment</i> , 2022, 8, 5611-5624.	1.9	8
6013	Guidance on evaluating parametric model uncertainty at decision-relevant scales. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2519-2539.	1.9	1
6014	Estimation of rainfall-induced surface runoff for the Assam region, India, using the GIS-based NRCS-CN method. <i>Journal of Maps</i> , 2022, 18, 428-440.	1.0	12
6015	Multi-objective operation of cascade reservoirs based on short-term ensemble streamflow prediction. <i>Journal of Hydrology</i> , 2022, 610, 127936.	2.3	18
6016	An Integrated Modelling Study on the Effects of Weir Operation Scenarios on Aquatic Habitat Changes in the Yeongsan River. <i>Sustainability</i> , 2022, 14, 6090.	1.6	0
6017	Coupled modeling of rainfall-induced floods and sediment transport at the catchment scale. <i>International Journal of Sediment Research</i> , 2022, 37, 715-728.	1.8	3
6018	Influences of land use changes on the dynamics of water quantity and quality in the German lowland catchment of the StÄr. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2561-2582.	1.9	13
6019	From the global to the subnational scale: Landing the compositional monitoring of drinking water and sanitation services. <i>Science of the Total Environment</i> , 2022, 838, 156005.	3.9	4
6020	Assessing climate change impacts on Pacific salmon and trout using bioenergetics and spatiotemporal explicit river temperature predictions under varying riparian conditions. <i>PLoS ONE</i> , 2022, 17, e0266871.	1.1	6
6021	Aqualuz: a new solar disinfection device for treatment of cistern water. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2022, 71, 682-696.	0.6	1
6022	Evaluation of Hydrological Simulation in a Karst Basin with Different Calibration Methods and Rainfall Inputs. <i>Atmosphere</i> , 2022, 13, 844.	1.0	3
6023	Hybrid ELM and MARS-Based Prediction Model for Bearing Capacity of Shallow Foundation. <i>Processes</i> , 2022, 10, 1013.	1.3	17

#	ARTICLE	IF	CITATIONS
6024	Potential climate change impact assessment on hydrology of the Lake Tana basin, Upper Blue Nile River Basin, Ethiopia. <i>Physics and Chemistry of the Earth</i> , 2022, , 103162.	1.2	3
6025	South Asian agriculture increasingly dependent on meltwater and groundwater. <i>Nature Climate Change</i> , 2022, 12, 566-573.	8.1	38
6026	Multistep-ahead forecasting for maximum and minimum air temperatures using a new hybrid intelligence tree-based filter classifier. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 5449-5465.	1.9	2
6027	Assessment of global reanalysis precipitation for hydrological modelling in data-scarce regions: A case study of Kenya. <i>Journal of Hydrology: Regional Studies</i> , 2022, 41, 101105.	1.0	3
6028	A modified hydrologic model for examining the capability of global gridded PET products in improving hydrological simulation accuracy of surface runoff, streamflow and baseflow. <i>Journal of Hydrology</i> , 2022, 610, 127960.	2.3	2
6029	Use of interpretable machine learning to identify the factors influencing the nonlinear linkage between land use and river water quality in the Chesapeake Bay watershed. <i>Ecological Indicators</i> , 2022, 140, 108977.	2.6	20
6030	Suspended sediment load modeling using advanced hybrid rotation forest based elastic network approach. <i>Journal of Hydrology</i> , 2022, 610, 127963.	2.3	15
6031	Support vector regression and ANN approach for predicting the ground water quality. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100538.	1.3	6
6032	Projection of future hydrometeorological extremes and wetland flood mitigation services with different global warming levels: A case study in the Nenjiang river basin. <i>Ecological Indicators</i> , 2022, 140, 108987.	2.6	12
6033	Streamflow Regionalization Considering Water Balance with Actual Evapotranspiration Estimated from Remote Sensing. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	0.8	1
6034	Performance analysis of a stormwater green infrastructure model for flow and water quality predictions. <i>Journal of Environmental Management</i> , 2022, 316, 115259.	3.8	8
6035	Identifying and predicting karst water inrush in a deep tunnel, South China. <i>Engineering Geology</i> , 2022, 305, 106716.	2.9	10
6036	Combining downscaled-GRACE data with SWAT to improve the estimation of groundwater storage and depletion variations in the Irrigated Indus Basin (IIB). <i>Science of the Total Environment</i> , 2022, 838, 156044.	3.9	34
6038	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. <i>Sustainability</i> , 2022, 14, 6620.	1.6	5
6039	Simulating the Impacts of Climate Change on Maize Yields Using EPIC: A Case Study in the Eastern Cape Province of South Africa. <i>Agriculture (Switzerland)</i> , 2022, 12, 794.	1.4	4
6040	Function-Based Troposphere Tomography Technique for Optimal Downscaling of Precipitation. <i>Remote Sensing</i> , 2022, 14, 2548.	1.8	8
6041	Monitoring phosphorus in the tributaries of a deep lake from the perspective of the receiving water body. <i>Hydrological Processes</i> , 2022, 36, .	1.1	1
6042	Improving groundwater sustainability through conservation strategies in a critical-prohibited coastal plain. <i>Physics and Chemistry of the Earth</i> , 2022, , 103176.	1.2	1

#	ARTICLE	IF	CITATIONS
6043	Hydrological impacts of urban expansion in a Brazilian metropolis – Case study of the Vargem das Flores reservoir catchment. <i>Urban Water Journal</i> , 0, , 1-9.	1.0	3
6044	Incorporating Empirical Orthogonal Function Analysis into Machine Learning Models for Streamflow Prediction. <i>Sustainability</i> , 2022, 14, 6612.	1.6	4
6045	Water Regulation Ecosystem Services of Multifunctional Landscape Dominated by Monoculture Plantations. <i>Land</i> , 2022, 11, 818.	1.2	2
6046	A conceptual model for simulating streamflow in a changing snow-covered catchment: application to the data-sparse upper Brahmaputra River basin. <i>Hydrological Sciences Journal</i> , 2022, 67, 1669-1682.	1.2	0
6047	New hybrid GR6J-wavelet-based genetic algorithm-artificial neural network (GR6J-WGANN) conceptual-data-driven model approaches for daily rainfall-runoff modelling. <i>Neural Computing and Applications</i> , 2022, 34, 17231-17255.	3.2	8
6048	Modelling of hydrological and environmental flow dynamics over a central Himalayan river basin through satellite altimetry and recent climate projections. <i>International Journal of Climatology</i> , 2022, 42, 8446-8471.	1.5	14
6049	Effects of forest fires on headwater streamflow and the habitat suitability for benthic macroinvertebrates. <i>Hydrological Sciences Journal</i> , 2022, 67, 1356-1371.	1.2	1
6050	Ground validation of GPM Day-1 IMERG and TMPA Version-7 products over different rainfall regimes in India. <i>Theoretical and Applied Climatology</i> , 2022, 149, 931-943.	1.3	6
6051	Effects of single- and multi-site calibration strategies on hydrological model performance and parameter sensitivity of large-scale semi-arid and semi-humid watersheds. <i>Hydrological Processes</i> , 2022, 36, .	1.1	9
6052	The application of spreadsheets for teaching hydrological modeling and climate change impacts on streamflow. <i>Computer Applications in Engineering Education</i> , 2022, 30, 1510-1525.	2.2	3
6053	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.	1.2	2
6054	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.	0.4	2
6055	(Antibiotic-Resistant) <i>E. coli</i> in the Dutch-German Vecht Catchment – Monitoring and Modeling. <i>Environmental Science & Technology</i> , 2022, 56, 15064-15073.	4.6	7
6056	Impact of climate change on river water temperature and dissolved oxygen: Indian riverine thermal regimes. <i>Scientific Reports</i> , 2022, 12, .	1.6	18
6057	Prediction of reference evapotranspiration in northwestern Africa with limited data using factorial and SVM regressions. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 5129-5142.	1.9	1
6058	Identifying cattle with superior growth feed efficiency through their natural 15N abundance and plasma urea concentration: A meta-analysis. , 0, 2, .		1
6059	A catchment-scale model of river water quality by Machine Learning. <i>Science of the Total Environment</i> , 2022, 838, 156377.	3.9	11
6060	Application of the HEC-HMS Model for Runoff Simulation of Big Muddy River, Illinois. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
6061	Filling Gaps in Daily Precipitation Series Using Regression and Machine Learning in Inter-Andean Watersheds. <i>Water (Switzerland)</i> , 2022, 14, 1799.	1.2	9
6062	Comparative Simulation of GIS-Based Rainwater Management Solutions. <i>Water Resources Management</i> , 2022, 36, 3049-3065.	1.9	6
6063	WaSim model for subsurface drainage design using soil hydraulic parameters estimated by pedotransfer functions. <i>Applied Water Science</i> , 2022, 12, .	2.8	0
6064	Applying the NWS's Distributed Hydrologic Model to Short-Range Forecasting of Quickflow in the Mahantango Creek Watershed. <i>Journal of Hydrometeorology</i> , 2022, 23, 1257-1280.	0.7	2
6065	Impact of local environmental standards on water environmental carrying capacity in large water diversion project: A system dynamics analysis in Shandong, China. <i>Journal of Cleaner Production</i> , 2022, 362, 132423.	4.6	2
6066	Determination of accurate baseline representation for three Central Iowa watersheds within a HAWQS-based SWAT analyses. <i>Science of the Total Environment</i> , 2022, 839, 156302.	3.9	4
6069	Model evaluation criterion for quantifying accuracy in scalability studies. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
6070	A Novel Approach to Vulnerability Assessment for Adaptation Planning in Agriculture: An Application to the Lower Bhavani Irrigation Project, India. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6071	Evaluating SWOT water level information using a large scale hydrology simulator: A case study over India. <i>Advances in Space Research</i> , 2022, 70, 1362-1374.	1.2	2
6072	Evaluation and comparison of CMIP6 and CMIP5 model performance in simulating the runoff. <i>Theoretical and Applied Climatology</i> , 2022, 149, 1451-1470.	1.3	12
6073	Differentiating refilling and transpiration from night-time sap flux based on time series modelling. <i>Trees - Structure and Function</i> , 2022, 36, 1621-1632.	0.9	2
6074	Assessment of Soil Erosion Potential From the Disturbed Surface of Skid Trails in Small Shovel Harvesting System. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
6075	Maize yield forecasts for Sub-Saharan Africa using Earth Observation data and machine learning. <i>Global Food Security</i> , 2022, 33, 100643.	4.0	5
6076	Global Sensitivity Analysis-based Design of Low Impact Development Practices for Urban Runoff Management Under Uncertainty. <i>Water Resources Management</i> , 2022, 36, 2953-2972.	1.9	15
6077	Estimation of Runoff Under Changed Climatic Scenario of a Meso Scale River by Neural Network Based Gridded Model Approach. <i>Water Resources Management</i> , 0, , .	1.9	1
6078	The Effect of Spatial Input Data Quality on the Performance of the SWAT Model. <i>Water (Switzerland)</i> , 2022, 14, 1988.	1.2	5
6079	Response of runoff and nitrogen loadings to climate and land use changes in the middle Fenhe River basin in Northern China. <i>Journal of Water and Climate Change</i> , 2022, 13, 2817-2836.	1.2	7
6080	Inflow forecasting using regularized extreme learning machine: Haditha reservoir chosen as case study. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 4201-4221.	1.9	11

#	ARTICLE	IF	CITATIONS
6081	National-Scale Assessment of Climate Change Impacts on Two Native Freshwater Fish Using a Habitat Suitability Model. <i>Water (Switzerland)</i> , 2022, 14, 1825.	1.2	2
6082	Can sampling techniques improve the performance of decomposition-based hydrological prediction models? Exploration of some comparative experiments. <i>Applied Water Science</i> , 2022, 12, .	2.8	4
6083	The Drought Events over the Amazon River Basin from 2003 to 2020 Detected by GRACE/GRACE-FO and Swarm Satellites. <i>Remote Sensing</i> , 2022, 14, 2887.	1.8	9
6084	Tree Rings Reveal Unmatched 2nd Century Drought in the Colorado River Basin. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	21
6085	Modifying the SWAT Model to Simulate Eco-Hydrological Processes in an Arid Grassland Dominated Watershed. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
6086	Quantifying the climate change-driven impacts on the hydrology of a data-scarce watershed located in the Brazilian Tropical Savanna. <i>Hydrological Processes</i> , 2022, 36, .	1.1	5
6087	Management of Landslides in a Rural-Urban Transition Zone Using Machine Learning Algorithms—A Case Study of a National Highway (NH-44), India, in the Rugged Himalayan Terrains. <i>Land</i> , 2022, 11, 884.	1.2	16
6088	Impact of climate change on future precipitation amounts, seasonal distribution, and streamflow in the Omo-Gibe basin, Ethiopia. <i>Heliyon</i> , 2022, 8, e09711.	1.4	16
6090	Multi-Variable SWAT Model Calibration Using Satellite-Based Evapotranspiration Data and Streamflow. <i>Hydrology</i> , 2022, 9, 112.	1.3	4
6091	Adequacy of nitrogen-based indicators for assessment of cropping system performance: A modelling study of Danish scenarios. <i>Science of the Total Environment</i> , 2022, 842, 156927.	3.9	4
6092	How Climate Extremes Influence Conceptual Rainfall-Runoff Model Performance and Uncertainty. <i>Frontiers in Climate</i> , 0, 4, .	1.3	4
6093	Multi-step-ahead flood forecasting using an improved BiLSTM-S2S model. <i>Journal of Flood Risk Management</i> , 2022, 15, .	1.6	7
6094	Impact of the Grain for Green Project on water resources and ecological water stress in the Yanhe River Basin. <i>PLoS ONE</i> , 2022, 17, e0259611.	1.1	6
6095	Evaluation and Hydrological Application of Four Gridded Precipitation Datasets over a Large Southeastern Tibetan Plateau Basin. <i>Remote Sensing</i> , 2022, 14, 2936.	1.8	7
6096	Analysis of Debris Flow Triggering Conditions for Different Rainfall Patterns Based on Satellite Rainfall Products in Hengduan Mountain Region, China. <i>Remote Sensing</i> , 2022, 14, 2731.	1.8	8
6097	Assessing runoff and erosion on woodland-encroached sagebrush steppe using the Rangeland Hydrology and Erosion Model. <i>Ecosphere</i> , 2022, 13, .	1.0	4
6098	What Is the Contribution of Urban Trees to Mitigate Pluvial Flooding?. <i>Hydrology</i> , 2022, 9, 108.	1.3	4
6099	Satellite imagery: a way to monitor water quality for the future?. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57022-57029.	2.7	1

#	ARTICLE	IF	CITATIONS
6100	Modeling the fecal contamination (fecal coliform bacteria) in transboundary waters using the scenario matrix approach: a case study of Sutlej River, Pakistan. <i>Environmental Science and Pollution Research</i> , 2022, 29, 79555-79566.	2.7	1
6101	Rainfall Runoff Balance Enhanced Model Applied to Tropical Hydrology. <i>Water (Switzerland)</i> , 2022, 14, 1958.	1.2	4
6102	Integration of Geostatistical and Sentinel-2A Multispectral Satellite Image Analysis for Predicting Soil Fertility Condition in Drylands. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 353.	1.4	2
6103	Performance evaluation of a water level sensor under various turbidity levels in lowland crop production systems. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1038, 012033.	0.2	2
6104	Agricultural Irrigation Effects on Hydrological Processes in the United States Northern High Plains Aquifer Simulated by the Coupled SWAT-MODFLOW System. <i>Water (Switzerland)</i> , 2022, 14, 1938.	1.2	3
6105	Comparison of machine learning and process-based SWAT model in simulating streamflow in the Upper Indus Basin. <i>Applied Water Science</i> , 2022, 12, .	2.8	20
6106	Hydrological and water quality simulation and future runoff prediction under CMIP6 scenario in the upstream basin of Miyun Reservoir. <i>Journal of Water and Climate Change</i> , 2022, 13, 2505-2530.	1.2	5
6107	A novel neural network training framework with data assimilation. <i>Journal of Supercomputing</i> , 2022, 78, 19020-19045.	2.4	1
6108	Comparison of river basin-scale hydrologic projections from a clustering based ensemble and model democracy approach using SHETRAN. <i>Hydrological Sciences Journal</i> , 2022, 67, 1480-1495.	1.2	1
6109	Optimization and prediction of tribological behaviour of filled polytetrafluoroethylene composites using Taguchi Deng and hybrid support vector regression models. <i>Scientific Reports</i> , 2022, 12, .	1.6	9
6110	Evaluation of Hydropower Generation and Reservoir Operation under Climate Change from Kesem Reservoir, Ethiopia. <i>Advances in Meteorology</i> , 2022, 2022, 1-14.	0.6	5
6111	Hydrological Cycle Performance at a Permeable Pavement Site and a Raingarden Site in a Subtropical Region. <i>Land</i> , 2022, 11, 951.	1.2	4
6112	Two integrated conceptual “wavelet-based data-driven model approaches for daily rainfall” runoff modelling. <i>Journal of Hydroinformatics</i> , 2022, 24, 949-975.	1.1	2
6113	Response of runoff components to climate change in the source region of the Yellow River on the Tibetan plateau. <i>Hydrological Processes</i> , 2022, 36, .	1.1	19
6114	Satellite-derived spatiotemporal data on imperviousness for improved hydrological modelling of urbanised catchments. <i>Journal of Hydrology</i> , 2022, 612, 128101.	2.3	1
6115	From Soils to Streams: Connecting Terrestrial Carbon Transformation, Chemical Weathering, and Solute Export Across Hydrological Regimes. <i>Water Resources Research</i> , 2022, 58, .	1.7	14
6116	Performance Evaluation of Roughened Solar Air Heaters for Stretched Parameters. <i>Clean Technologies</i> , 2022, 4, 555-569.	1.9	1
6117	Reliability of satellite-derived precipitation data in driving hydrological simulations: A case study of the upper Huaihe River basin, China. <i>Journal of Hydrology</i> , 2022, 612, 128076.	2.3	2

#	ARTICLE	IF	CITATIONS
6118	Inverse unsaturated-zone flow modeling for groundwater recharge estimation: a regional spatial nonstationary approach. <i>Hydrogeology Journal</i> , 0, , .	0.9	1
6119	Numerical simulation of soil water movement by gravity subsurface hole irrigation. <i>Water Science and Technology: Water Supply</i> , 0, , .	1.0	3
6120	Toward Better Preparedness of Mediterranean Rainfed Agricultural Systems to Future Climate-Change-Induced Water Stress: Study Case of Bouregreg Watershed (Morocco). , 0, , .		1
6121	How Far Can Nature-Based Solutions Increase Water Supply Resilience to Climate Change in One of the Most Important Brazilian Watersheds?. <i>Earth</i> , 2022, 3, 748-767.	0.9	3
6122	Multi-step ahead soil temperature forecasting at different depths based on meteorological data: Integrating resampling algorithms and machine learning models. <i>Pedosphere</i> , 2023, 33, 479-495.	2.1	2
6123	Modelling of Streamflow and Water Balance in the Kuttiyadi River Basin Using SWAT and Remote Sensing/GIS Tools. <i>International Journal of Environmental Research</i> , 2022, 16, .	1.1	9
6124	Prediction of Future Lake Water Availability Using SWAT and Support Vector Regression (SVR). <i>Sustainability</i> , 2022, 14, 6974.	1.6	2
6125	Comparison of SWAT and MODIS Evapotranspiration Data for Multiple Timescales. <i>Hydrology</i> , 2022, 9, 103.	1.3	9
6126	Impact of Climate Change on Soil Water Content in Southern Saskatchewan, Canada. <i>Water (Switzerland)</i> , 2022, 14, 1920.	1.2	3
6127	Assessment of influencing factors on non-point source pollution critical source areas in an agricultural watershed. <i>Ecological Indicators</i> , 2022, 141, 109084.	2.6	17
6128	Hydrological evaluation of radar and satellite gauge-merged precipitation datasets using the SWAT model: Case of the Terauchi catchment in Japan. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101134.	1.0	5
6129	The flood reduction and water quality impacts of watershed-scale natural infrastructure implementation in North Carolina, USA. <i>Ecological Engineering</i> , 2022, 181, 106696.	1.6	3
6130	Improve leakage management to reach sustainable water supply networks through by green energy systems. Optimized case study. <i>Sustainable Cities and Society</i> , 2022, 83, 103994.	5.1	12
6131	Evaluation of daily gridded meteorological datasets for hydrological modeling in data-sparse basins of the largest lake in Southeast Asia. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101135.	1.0	7
6132	Quantifying the contribution of SWAT modeling and CMIP6 inputting to streamflow prediction uncertainty under climate change. <i>Journal of Cleaner Production</i> , 2022, 364, 132675.	4.6	38
6133	Distribution, transfer process and influence factors of phosphorus at sediment-water interface in the Huaihe River. <i>Journal of Hydrology</i> , 2022, 612, 128079.	2.3	7
6134	Enhancement of Satellite Precipitation Estimations with Bias Correction and Data-Merging Schemes for Flood Forecasting. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	0.8	3
6135	Physically-based distributed modelling of the hydrology and soil erosion under changes in landuse and climate of a humid tropical river basin. <i>Catena</i> , 2022, 217, 106427.	2.2	6

#	ARTICLE	IF	CITATIONS
6136	Stormwater Management Adaptation Pathways under Climate Change and Urbanization. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, .	0.9	5
6137	Evaluating Swat Model for Streamflow Estimation in the Semi-Arid Okavango-Omatako Catchment, Namibia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6138	Sensitivity Analysis of C and Ku-Band Scatterometers for River Water Level Estimation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-8.	2.7	1
6139	Sampling Design and Spatial Modeling of Available Phosphorus in the Soil. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6140	Development of a Framework Performing Lumped and Distributed Optimization for Parameters of Complex Distributed Models at the Watershed Scale. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6141	Performance evaluation of HEC-HMS hydrological model applied to the Tibagi river watershed in the State of Paraná; “ Brazil. <i>Ciência E Natura</i> , 0, 44, e7.	0.0	0
6142	Performance of AquaCrop Model for Maize Growth Simulation under Different Soil Conditioners in Shandong Coastal Area, China. <i>Agronomy</i> , 2022, 12, 1541.	1.3	5
6143	Analysis of drought conditions and their impacts in a headwater stream in the Central European lower mountain ranges. <i>Regional Environmental Change</i> , 2022, 22, .	1.4	2
6144	Searching for Sustainable-Irrigation Issues of Clementine Orchards in the Syrian Akkar Plain: Effects of Irrigation Method and Canopy Size on Crop Coefficients, Transpiration, and Water Use with SIMDualKc Model. <i>Water (Switzerland)</i> , 2022, 14, 2052.	1.2	4
6145	Representing Irrigation Processes in the Land Surfaceâ€Hydrological Model and a Case Study in the Yangtze River Basin, China. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	5
6146	Modeling of complex flooding and sedimentation events on the downstream portion of the Yellow River using a 1-D model. <i>Modeling Earth Systems and Environment</i> , 0, , .	1.9	0
6147	Assessing the Implication of Climate Change to Forecast Future Flood Using CMIP6 Climate Projections and HEC-RAS Modeling. <i>Forecasting</i> , 2022, 4, 582-603.	1.6	6
6148	Entrainment of E.Âcoli and <i>Listeria monocytogenes</i> from sediment in irrigation canal. <i>International Journal of Sediment Research</i> , 2022, , .	1.8	0
6149	Spatiotemporal Variations of Chinese Terrestrial Ecosystems in Response to Land Use and Future Climate Change. <i>Atmosphere</i> , 2022, 13, 1024.	1.0	1
6150	Formulation of Wavelet Based Multiâ€Scale Multiâ€Objective Performance Evaluation (WMMPE) Metric for Improved Calibration of Hydrological Models. <i>Water Resources Research</i> , 2022, 58, .	1.7	10
6151	Development of an analytical probabilistic model to estimate runoff event volumes in South Korea. <i>Journal of Hydrology</i> , 2022, 612, 128129.	2.3	6
6152	Streamflow modelling and forecasting for Canadian watersheds using LSTM networks with attention mechanism. <i>Neural Computing and Applications</i> , 2022, 34, 19995-20015.	3.2	22
6153	Advancing understanding of in-river phosphorus dynamics using an advectionâ€dispersion model (ADModel-P). <i>Journal of Hydrology</i> , 2022, 612, 128173.	2.3	2

#	ARTICLE	IF	CITATIONS
6154	Hydrology of peat estimated from near-surface water contents. <i>Hydrological Sciences Journal</i> , 2022, 67, 1702-1721.	1.2	3
6155	Hydrological Retrospective and Historical Drought Analysis in a Brazilian Savanna Basin. <i>Water (Switzerland)</i> , 2022, 14, 2178.	1.2	2
6156	GrasProg: Pasture Model for Predicting Daily Pasture Growth in Intensive Grassland Production Systems in Northwest Europe. <i>Agronomy</i> , 2022, 12, 1667.	1.3	2
6157	Impact of spatial and temporal changes in climate on the Kunhar River Watershed, Pakistan. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	0
6158	Evaluation of deep machine learning-based models of soil cumulative infiltration. <i>Earth Science Informatics</i> , 2022, 15, 1861-1877.	1.6	2
6159	New Framework for Dynamic Water Environmental Capacity Estimation Integrating the Hydro-Environmental Model and Loadâ€œDuration Curve Methodâ€œ”A Case Study in Data-Scarce Luanhe River Basin. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8389.	1.2	3
6160	Developing a generic data-driven reservoir operation model. <i>Advances in Water Resources</i> , 2022, 167, 104274.	1.7	4
6161	Hydrological and Meteorological Variability in the Volga River Basin under Global Warming by 1.5 and 2 Degrees. <i>Climate</i> , 2022, 10, 107.	1.2	8
6162	Evaluation of multi-satellite precipitation products for soil loss and sediment export modeling over eastern regions of the Koshi River Basin, Nepal. <i>Journal of Soils and Sediments</i> , 0, , .	1.5	1
6163	Estimating the Water Budget of the Upper Blue Nile River Basin With Water and Energy Processes (WEP) Model. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	3
6164	Identification of priority management areas for non-point source pollution based on critical source areas in an agricultural watershed of Northeast China. <i>Environmental Research</i> , 2022, 214, 113892.	3.7	11
6165	Modeling Preferential Water Flow and Pesticide Leaching to Drainpipes: The Effect of Drainâ€œConnecting and Matrixâ€œTerminating Biopores. <i>Water Resources Research</i> , 2022, 58, .	1.7	5
6166	An Integrated Statistical-Machine Learning Approach for Runoff Prediction. <i>Sustainability</i> , 2022, 14, 8209.	1.6	46
6167	A novel objective function DYNO for automatic multivariable calibration of 3Dâ€œlake models. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 3651-3671.	1.9	2
6168	Optimization of a SWAT model by incorporating geological information through calibration strategies. <i>Optimization and Engineering</i> , 2022, 23, 2203-2233.	1.3	7
6169	Integrated selection of PHA-storing biomass and nitrogen removal via nitrite from sludge reject water: a mathematical model. <i>Environmental Technology (United Kingdom)</i> , 2024, 45, 73-86.	1.2	0
6170	Unpiloted Aerial Vehicle (UAV) image velocimetry for validation of two-dimensional hydraulic model simulations. <i>Journal of Hydrology</i> , 2022, 612, 128217.	2.3	5
6171	Evaluating the performance of bias-corrected IMERG satellite rainfall estimates for hydrological simulation over the Upper Bhima River basin, India. <i>Geocarto International</i> , 2024, 37, 15505-15529.	1.7	1

#	ARTICLE	IF	CITATIONS
6172	Boosted Regression Tree Algorithm for the Reconstruction of GRACE-Based Terrestrial Water Storage Anomalies in the Yangtze River Basin. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
6173	Modeling bioretention hydrology: Quantifying the performance of DRAINMOD-Urban and the SWMM LID module. <i>Journal of Hydrology</i> , 2022, 612, 128179.	2.3	15
6174	Climate change impact on blue and green water resources distributions in the Beijiang River basin based on CORDEX projections. <i>Journal of Water and Climate Change</i> , 2022, 13, 2780-2798.	1.2	1
6175	Evaluating the Atibaia River hydrology using JULES6.1. <i>Geoscientific Model Development</i> , 2022, 15, 5233-5240.	1.3	2
6176	Long-Term Water Quality Modeling of a Shallow Eutrophic Lagoon with Limited Forcing Data. <i>Environmental Modeling and Assessment</i> , 2023, 28, 201-225.	1.2	2
6177	Evaluation of Snow and Streamflows Using Noah-MP and WRF-Hydro Models in Aroostook River Basin, Maine. <i>Water (Switzerland)</i> , 2022, 14, 2145.	1.2	1
6178	Assessment of water supply and demand in Gilgel Gibe watershed, southwest Ethiopia. <i>Sustainable Water Resources Management</i> , 2022, 8, .	1.0	3
6179	Assessment of Uncertainty in Grid-Based Rainfall-Runoff Model Based on Formal and Informal Likelihood Measures. <i>Water (Switzerland)</i> , 2022, 14, 2210.	1.2	4
6180	Ecohydrologic modeling using nitrate, ammonium, phosphorus, and macroinvertebrates as aquatic ecosystem health indicators of Albaida Valley (Spain). <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101155.	1.0	2
6181	Potential hydro-meteorological impacts over Burundi from climate change. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101130.	1.0	3
6182	Evaluating the performance of multiple satellite-based precipitation products in the Congo River Basin using the SWAT model. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101168.	1.0	7
6183	A novel Geno-fuzzy based model for hydrodynamic efficiency prediction of a land-fixed oscillating water column for various front wall openings, power take-off dampings and incident wave steepnesses. <i>Renewable Energy</i> , 2022, 196, 99-110.	4.3	5
6184	Development of a lucerne model in APSIM next generation: 2 canopy expansion and light interception of genotypes with different fall dormancy ratings. <i>European Journal of Agronomy</i> , 2022, 139, 126570.	1.9	4
6185	Opportunities and Challenges of Integrated Large-Scale PFAS Modeling: A Case Study for PFAS Modeling at a Watershed Scale. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	0.7	5
6186	Seasonal isotopic cycles used to identify transit times and the young water fraction within the critical zone in a subtropical catchment in China. <i>Journal of Hydrology</i> , 2022, 612, 128138.	2.3	7
6187	Multi-model ensemble prediction of pan evaporation based on the Copula Bayesian Model Averaging approach. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 114, 105124.	4.3	27
6188	Simulating long-term phosphorus, nitrogen, and carbon dynamics to advance nutrient assessment in dryland cropping. <i>Field Crops Research</i> , 2022, 285, 108590.	2.3	3
6189	System-Dynamics Approach to Multireservoir Energy Generation under Climate Change. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	0.8	1

#	ARTICLE	IF	CITATIONS
6190	Comparing alternative conceptual models for tile drains and soil heterogeneity for the simulation of tile drainage in agricultural catchments. <i>Journal of Hydrology</i> , 2022, 612, 128120.	2.3	3
6191	Impacts of sugarcane expansion on water availability in a river basin in southeastern Brazil. <i>Catena</i> , 2022, 216, 106437.	2.2	5
6192	Impact of spatial discretization resolution on the hydrological performance of layout optimization of LID practices. <i>Journal of Hydrology</i> , 2022, 612, 128113.	2.3	7
6193	Designing Watersheds for Integrated Development (DWID): A stochastic dynamic optimization approach for understanding expected land use changes to meet potential water quality regulations. <i>Agricultural Water Management</i> , 2022, 271, 107799.	2.4	4
6194	An integrated framework for simultaneously modeling primary and secondary salinity at a watershed scale. <i>Journal of Hydrology</i> , 2022, 612, 128171.	2.3	0
6195	The ecohydrological effects of climate and landscape interactions within the Budyko framework under non-steady state conditions. <i>Catena</i> , 2022, 217, 106481.	2.2	11
6196	A unified parameter model based on machine learning for describing microbial transport in porous media. <i>Science of the Total Environment</i> , 2022, 845, 157216.	3.9	1
6197	Spatially Explicit River Basin Models for Cost-Benefit Analyses to Optimize Land Use. <i>Sustainability</i> , 2022, 14, 8953.	1.6	1
6198	Influence of Climate and Land Cover/Use Change on Water Balance: An Approach to Individual and Combined Effects. <i>Water (Switzerland)</i> , 2022, 14, 2304.	1.2	5
6199	Agricultural Reservoir Operation Strategy Considering Climate and Policy Changes. <i>Sustainability</i> , 2022, 14, 9014.	1.6	6
6200	Spatiotemporal Variation and Driving Factors of Water Supply Services in the Three Gorges Reservoir Area of China Based on Supply-Demand Balance. <i>Water (Switzerland)</i> , 2022, 14, 2271.	1.2	5
6201	Reconstruction of Hydrometeorological Data Using Dendrochronology and Machine Learning Approaches to Bias-Correct Climate Models in Northern Tien Shan, Kyrgyzstan. <i>Water (Switzerland)</i> , 2022, 14, 2297.	1.2	3
6202	Runoff Regime, Change, and Attribution in the Upper Syr Darya and Amu Darya, Central Asia. <i>Journal of Hydrometeorology</i> , 2022, 23, 1563-1585.	0.7	5
6203	A modified NRCS-CN method for eliminating abrupt runoff changes induced by the categorical antecedent moisture conditions. <i>Journal of Hydro-Environment Research</i> , 2022, 44, 35-52.	1.0	2
6204	Using an Improved SWAT Model to Simulate Karst Sinkholes: A Case Study in Southwest China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	4
6205	Can soil fertility properties in rice fields in sub-Saharan Africa be predicted by digital soil information? A case study of AfSoilGrids250m. <i>Geoderma Regional</i> , 2022, 30, e00563.	0.9	1
6206	Evaluation of climate change effects on flood frequency in arid and semi-arid basins. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 6740-6755.	1.0	8
6207	Projecting aridity from statistically downscaled and bias-corrected variables for the Gediz Basin, Turkey. <i>Journal of Water and Climate Change</i> , 2022, 13, 3061-3082.	1.2	1

#	ARTICLE	IF	CITATIONS
6208	A Comparative Evaluation of Using Rain Gauge and NEXRAD Radar-Estimated Rainfall Data for Simulating Streamflow. <i>Hydrology</i> , 2022, 9, 133.	1.3	4
6209	A process-based mesh-distributed watershed model for water runoff and soil erosion simulation. <i>International Journal of River Basin Management</i> , 0, , 1-55.	1.5	0
6210	Modelling water temperature in the lower Olifants River and the implications for climate change. <i>South African Journal of Science</i> , 2022, 118, .	0.3	0
6211	Prediction of enteric methane production and yield in sheep using a Latin America and Caribbean database. <i>Livestock Science</i> , 2022, 264, 105036.	0.6	7
6212	Cascade reservoirs adaptive refined simulation model based on the mechanism-AI coupling modeling paradigm. <i>Journal of Hydrology</i> , 2022, 612, 128229.	2.3	5
6213	Response of terrestrial water storage and its change to climate change in the endorheic Tibetan Plateau. <i>Journal of Hydrology</i> , 2022, 612, 128231.	2.3	5
6214	Estimation of Groundwater and Salinity for the Central Biscayne Bay Coast, Florida, USA. <i>Lecture Notes in Computer Science</i> , 2022, , 594-606.	1.0	3
6215	Impactos do uso e cobertura do solo na produção de sedimentos em Área de manancial peri-urbano tropical. <i>Sociedade & Natureza</i> , 2021, 34, .	0.0	0
6216	Modelling Water Flow and Soil Erosion in Mediterranean Headwaters (with or without Check Dams) under Land-Use and Climate Change Scenarios Using SWAT. <i>Water (Switzerland)</i> , 2022, 14, 2338.	1.2	10
6217	Evaluating Impacts of Detailed Land Use and Management Inputs on the Accuracy and Resolution of SWAT Predictions in an Experimental Watershed. <i>Water (Switzerland)</i> , 2022, 14, 2352.	1.2	1
6218	Adapting the WEPP Hillslope Model and the TLS Technology to Predict Unpaved Road Soil Erosion. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 9213.	1.2	3
6219	Parameterizing the JULES land surface model for different land covers in the tropical Andes. <i>Hydrological Sciences Journal</i> , 2022, 67, 1516-1526.	1.2	0
6220	A 0.01-degree gridded precipitation dataset for Japan, 1926-2020. <i>Scientific Data</i> , 2022, 9, .	2.4	2
6221	Use of soil spectral reflectance to estimate texture and fertility affected by land management practices in Ethiopian tropical highland. <i>PLoS ONE</i> , 2022, 17, e0270629.	1.1	4
6222	New physiological thresholds improve soil desiccation prediction rationality in apple orchards converted from farmland on the Chinese Loess Plateau. <i>Land Degradation and Development</i> , 2022, 33, 3801-3816.	1.8	2
6223	Assessing the effect of urbanization on regional-scale surface water-groundwater interaction and nitrate transport. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
6224	Spatiotemporal Heterogeneity in Runoff Dynamics and Its Drivers in a Water Conservation Area of the Upper Yellow River Basin over the Past 35 Years. <i>Remote Sensing</i> , 2022, 14, 3628.	1.8	5
6225	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. <i>Water (Switzerland)</i> , 2022, 14, 2346.	1.2	7

#	ARTICLE	IF	CITATIONS
6226	Rad-cGAN v1.0: Radar-based precipitation nowcasting model with conditional generative adversarial networks for multiple dam domains. <i>Geoscientific Model Development</i> , 2022, 15, 5967-5985.	1.3	10
6227	U(VI), Np(V), Eu(III) sorption on goethite: A wide-ranging multiradionuclide dataset and uncertainty-aware parametrization of surface complexation models. , 0, 1, .		1
6228	Extreme Gradient Boosting Algorithm for Predicting Shear Strengths of Rockfill Materials. <i>Complexity</i> , 2022, 2022, 1-11.	0.9	4
6229	Integrating land cover, point source pollution, and watershed hydrologic processes data to understand the distribution of microplastics in riverbed sediments. <i>Environmental Pollution</i> , 2022, 311, 119852.	3.7	5
6231	A Novel Methodology for Credit Spread Prediction: Depth-Gated Recurrent Neural Network with Self-Attention Mechanism. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-12.	0.6	3
6232	Wind speed prediction over Malaysia using various machine learning models: potential renewable energy source. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 1673-1689.	1.5	5
6233	Reservoir sediment characterisation by diffuse reflectance spectroscopy in a semiarid region to support sediment reuse for soil fertilization. <i>Journal of Soils and Sediments</i> , 2022, 22, 2557-2577.	1.5	1
6234	Identifying Thresholds, Regime Shifts, and Early Warning Signals Using Long-Term Streamflow Data in the Transboundary Rio Grande/Rio Bravo Basin. <i>Water (Switzerland)</i> , 2022, 14, 2555.	1.2	2
6235	Prediction and Interpretation of Water Quality Recovery after a Disturbance in a Water Treatment System Using Artificial Intelligence. <i>Water (Switzerland)</i> , 2022, 14, 2423.	1.2	4
6236	Tomato Evapotranspiration, Crop Coefficient and Irrigation Water Use Efficiency in the Winter Period in a Sunken Chinese Solar Greenhouse. <i>Water (Switzerland)</i> , 2022, 14, 2410.	1.2	4
6237	Evaluating the Effect of the Location and Design of Retention Ponds on Flooding in a Peri-Urban River Catchment. <i>Land</i> , 2022, 11, 1368.	1.2	2
6238	Response Model for Urban Area Source Pollution and Water Environmental Quality in a River Network Region. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 10546.	1.2	4
6239	Modelling the role of ground-true riparian vegetation for providing regulating services in a Mediterranean watershed. <i>International Soil and Water Conservation Research</i> , 2023, 11, 159-168.	3.0	3
6240	Trend Analysis Using Long-Term Monitoring Data of Water Quality at Churyeongcheon and Yocheon Basins. <i>Sustainability</i> , 2022, 14, 9770.	1.6	1
6241	Benchmarking global hydrological and land surface models against GRACE in a medium-sized tropical basin. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 4323-4344.	1.9	5
6243	The responses of river discharge and sediment load to historical land-use/land-cover change in the Mekong River Basin. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	11
6244	Impact of Climate and Land Use Change on Economic Development in the Baoxing River Watershed in Giant Panda National Park. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	0
6245	Comparison of Urbanization, Climate Change, and Drainage Design Impacts on Urban Flashfloods in an Arid Region: Case Study, New Cairo, Egypt. <i>Water (Switzerland)</i> , 2022, 14, 2430.	1.2	14

#	ARTICLE	IF	CITATIONS
6247	Effects of Combined Main Ditch and Field Ditch Control Measures on Crop Yield and Drainage Discharge in the Northern Huaihe River Plain, Anhui Province, China. <i>Agriculture (Switzerland)</i> , 2022, 12, 1167.	1.4	2
6248	Multi-step Lake Urmia water level forecasting using ensemble of bagging based tree models. <i>Earth Science Informatics</i> , 0, , .	1.6	1
6249	Comparison of the Calibrated Objective Functions for Low Flow Simulation in a Semi-Arid Catchment. <i>Water (Switzerland)</i> , 2022, 14, 2591.	1.2	2
6250	Evaporation over a glacial lake in Antarctica. <i>Cryosphere</i> , 2022, 16, 3101-3121.	1.5	0
6251	Impacts of combined and separate land cover and climate changes on hydrologic responses of Dhidhessa River basin, Ethiopia. <i>International Journal of River Basin Management</i> , 0, , 1-14.	1.5	3
6252	Hydrological evaluation of gridded climate datasets in a texas urban watershed using soil and water assessment tool and artificial neural network. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2
6253	Identifying Flow Eddy Currents in the River System as the Riverbank Scouring Cause: A Case Study of the Mekong River. <i>Water (Switzerland)</i> , 2022, 14, 2418.	1.2	2
6254	Multivariable Integrated Evaluation of Hydrodynamic Modeling: A Comparison of Performance Considering Different Baseline Topography Data. <i>Water Resources Research</i> , 2022, 58, .	1.7	4
6255	Long-Term Simulation of Snow Cover and Its Potential Impacts on Seasonal Frost Dynamics in Croplands Across Southern Canada. <i>Water Resources Research</i> , 2022, 58, .	1.7	4
6256	Assessing the Effectiveness of Winter Cover Crops for Controlling Agricultural Nutrient Losses. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	0
6257	Modeling agricultural practice impacts on surface water quality: case of Northern Aegean watershed, Turkey. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 5265-5280.	1.8	2
6258	Modeling the Impact of Climate Change on the Flow Regimes of River Sindh of Kashmir Valley. <i>Journal of the Institution of Engineers (India): Series A</i> , 2022, 103, 1165-1181.	0.6	1
6259	Assessment of enhanced Kohonen self-organizing map, quantile mapping and copula-based bias-correction approaches for constructing basin-scale rainfall forecasts. <i>Hydrological Sciences Journal</i> , 2022, 67, 1860-1875.	1.2	2
6260	Warming Climate and Elevated CO2 Will Enhance Future Winter Wheat Yields in North China Region. <i>Atmosphere</i> , 2022, 13, 1275.	1.0	3
6261	Performance assessment of CORDEX regional climate models in wind speed simulations over Zambia. <i>Modeling Earth Systems and Environment</i> , 2023, 9, 253-262.	1.9	2
6262	Modelling morphodynamic responses of a natural embayed beach to Typhoon Lekima encountering different tide types. <i>Anthropocene Coasts</i> , 2022, 5, .	0.6	4
6263	Farm-scale water-energy-food-waste nexus analysis for a closed-loop dairy system. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
6264	Performance evaluation of satellite-based rainfall estimates for hydrological modeling over Bilate river basin, Ethiopia. <i>World Journal of Engineering</i> , 2024, 21, 1-15.	1.0	4

#	ARTICLE	IF	CITATIONS
6265	Modelling wind speed across Zambia: Implications for wind energy. <i>International Journal of Climatology</i> , 2023, 43, 772-786.	1.5	3
6267	Effects of the Gully Land Consolidation Project on Runoff and Peak Flow Rate on the Loess Plateau, China. <i>Water (Switzerland)</i> , 2022, 14, 2582.	1.2	1
6268	Spatiotemporal optimization of groundwater monitoring networks using data-driven sparse sensing methods. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 4033-4053.	1.9	2
6269	Examining model performances and parameter uncertainty for streamflow and suspended sediment regime simulation: Comparison of three calibration methods. <i>Journal of Hydrology</i> , 2022, 612, 128304.	2.3	5
6270	Prediction of nitrogen excretion from data on dairy cows fed a wide range of diets compiled in an intercontinental database: A meta-analysis. <i>Journal of Dairy Science</i> , 2022, 105, 7462-7481.	1.4	5
6271	A framework based on multivariate distribution-based virtual sample generation and DNN for predicting water quality with small data. <i>Journal of Cleaner Production</i> , 2022, 368, 133227.	4.6	19
6272	Modeling response of spring wheat yield to soil water and salt contents and its application in scheduling brackish water irrigation. <i>Computers and Electronics in Agriculture</i> , 2022, 200, 107216.	3.7	3
6273	Simulating the water $\delta^{18}O$ of a small open lake in the East Asian monsoon region based on hydrologic and isotope mass-balance models. <i>Journal of Hydrology</i> , 2022, 612, 128223.	2.3	5
6274	Quantitative evaluation of runoff variation and its driving forces based on multi-scale separation framework. <i>Journal of Hydrology: Regional Studies</i> , 2022, 43, 101183.	1.0	5
6275	An interactive graphical interface tool for parameter calibration, sensitivity analysis, uncertainty analysis, and visualization for the Soil and Water Assessment Tool. <i>Environmental Modelling and Software</i> , 2022, 156, 105497.	1.9	15
6276	Prediction of Bed-Load Sediment Using Newly Developed Support-Vector Machine Techniques. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2022, 148, .	0.6	4
6277	The impact of overgrazing on water fluxes in a semi-arid watershed – The suitability of watershed scale modeling in a data scarce area. <i>Journal of Hydrology: Regional Studies</i> , 2022, 43, 101178.	1.0	3
6278	Assessment of land use changes in the Verde River basin using two hydrological models. <i>Journal of South American Earth Sciences</i> , 2022, 118, 103954.	0.6	3
6279	Minimizing trade-offs between wheat yield and resource-use efficiency in the Nile Delta – A multi-model analysis. <i>Field Crops Research</i> , 2022, 287, 108638.	2.3	13
6280	An alternative to the Grain for Green Program for soil and water conservation in the upper Huaihe River basin, China. <i>Journal of Hydrology: Regional Studies</i> , 2022, 43, 101180.	1.0	9
6281	Simulation of water and salt transport in the Kaidu River Irrigation District using the modified SWAT-Salt. <i>Agricultural Water Management</i> , 2022, 272, 107845.	2.4	4
6282	A robust objective function for calibration of groundwater models in light of deficiencies of model structure and observations. <i>Journal of Hydrology</i> , 2022, 613, 128339.	2.3	2
6283	A semi-empirical semi-process model of ammonia volatilization from paddy fields under different irrigation modes and urea application regimes. <i>Agricultural Water Management</i> , 2022, 272, 107841.	2.4	3

#	ARTICLE	IF	CITATIONS
6284	Quantifying sediment retention by high-density small water conservancy facilities under insignificant variation of water discharge in the Nanliu River Basin, Beibu Gulf. <i>Journal of Hydrology: Regional Studies</i> , 2022, 43, 101184.	1.0	0
6285	Is forest location more important than forest fragmentation for flood regulation?. <i>Ecological Engineering</i> , 2022, 183, 106764.	1.6	2
6286	Decoding river pollution trends and their landscape determinants in an ecologically fragile karst basin using a machine learning model. <i>Environmental Research</i> , 2022, 214, 113843.	3.7	11
6287	Contribution of complementary operation in adapting to climate change impacts on a large-scale wind-solar-hydro system: A case study in the Yalong River Basin, China. <i>Applied Energy</i> , 2022, 325, 119809.	5.1	16
6288	Application of thermal and visible imaging to estimate stripe rust disease severity in wheat using supervised image classification methods. <i>Ecological Informatics</i> , 2022, 71, 101774.	2.3	11
6289	Impacts of a shallow saline water table on maize evapotranspiration and groundwater contribution using static water table lysimeters and the dual Kc water balance model SIMDualKc. <i>Agricultural Water Management</i> , 2022, 273, 107887.	2.4	12
6290	Suspended sediment concentration estimation in the Sacramento-San Joaquin Delta of California using long-term memory networks. <i>Hydrological Processes</i> , 2022, 36, .	1.1	3
6291	Scenario simulation and analysis in the transboundary Yarmouk River basin using a WEAP model. <i>International Journal of River Basin Management</i> , 0, , 1-22.	1.5	1
6292	Is it possible to develop a green management strategy applied to water systems in isolated cities? An optimized case study in the Bahamas. <i>Sustainable Cities and Society</i> , 2022, 85, 104093.	5.1	2
6293	Estimating solute travel times from time series of nitrate concentration in groundwater: Application to a small agricultural catchment in Brittany, France. <i>Journal of Hydrology</i> , 2022, 613, 128390.	2.3	4
6294	Using a participatory system dynamics modelling approach to inform the management of Malaysian rubber production. <i>Agricultural Systems</i> , 2022, 202, 103491.	3.2	0
6295	Applicability of statistical and modeling methods in assessing the basin-scale grey water footprint. <i>Ecological Indicators</i> , 2022, 143, 109345.	2.6	0
6296	Projections of the characteristics and probability of spatially concurrent hydrological drought in a cascade reservoirs area under CMIP6. <i>Journal of Hydrology</i> , 2022, 613, 128472.	2.3	10
6297	Parameterizing the AquaCrop model for potato growth modeling in a semi-arid region. <i>Field Crops Research</i> , 2022, 288, 108680.	2.3	11
6298	A regional hydrological model for arid and semi-arid river basins with consideration of irrigation. <i>Environmental Modelling and Software</i> , 2022, 157, 105531.	1.9	3
6299	Public policies on water resource management and its impacts on the context of climatic changes and alterations in land use and land cover in small and protected rainforest river basins. <i>Environmental Science and Policy</i> , 2022, 137, 191-204.	2.4	7
6300	Remote sensing of tropical riverine water quality using sentinel-2 MSI and field observations. <i>Ecological Indicators</i> , 2022, 144, 109472.	2.6	9
6301	Characteristics of watershed dynamic sediment delivery based on improved RUSLE model. <i>Catena</i> , 2022, 219, 106602.	2.2	11

#	ARTICLE	IF	CITATIONS
6302	Projection of temperature and precipitation in the Mediterranean region through multi-model ensemble from CMIP6. <i>Atmospheric Research</i> , 2022, 280, 106440.	1.8	18
6303	Extreme temperature trend and return period mapping in a changing climate in Upper Tekeze river basin, Northern Ethiopia. <i>Physics and Chemistry of the Earth</i> , 2022, 128, 103234.	1.2	1
6304	Influential paths of ecosystem services on human well-being in the context of the sustainable development goals. <i>Science of the Total Environment</i> , 2022, 852, 158443.	3.9	33
6305	Detecting characteristics of extreme precipitation events using regional and satellite-based precipitation gridded datasets over a region in Central Europe. <i>Science of the Total Environment</i> , 2022, 852, 158497.	3.9	14
6306	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. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101202.	1.0	4
6307	Assessment of the natural flow regime and its variability in a tributary of Ganga River: Impact of land use and land cover change. <i>Environmental Development</i> , 2022, 44, 100756.	1.8	6
6308	Influence of cascade reservoir operation in the Upper Mekong River on the general hydrological regime: A combined data-driven modeling approach. <i>Journal of Environmental Management</i> , 2022, 324, 116339.	3.8	12
6309	Water and productivity accounting using WA+ framework for sustainable water resources management: Case study of northwestern Iran. <i>Physics and Chemistry of the Earth</i> , 2022, 128, 103245.	1.2	3
6310	Multiple drought indices and their teleconnections with ENSO in various spatiotemporal scales over the Mekong River Basin. <i>Science of the Total Environment</i> , 2023, 854, 158589.	3.9	9
6311	A Case Study Of Optimization-aided Thermal Building Performance Simulation Calibration. , 2013, , .		5
6312	S -Metolachlor Persistence in Soil as Influenced by Within-Season and Inter-Annual Herbicide Use. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6313	Near-Real-Time Satellite Precipitation Data Ingestion into Peak Runoff Forecasting Models. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6314	Assessment of Terrain Scenario Impacts on Hydrological Simulation with SWAT Model. Application to Lai Giang Catchment, Vietnam. <i>Springer Water</i> , 2022, , 1205-1222.	0.2	3
6315	Quantifying the Spatio-seasonal Water Balance and Land Surface Temperature Interface in Chandrabhaga River Basin, Eastern India. <i>Geography of the Physical Environment</i> , 2022, , 273-292.	0.2	0
6316	Effects of irrigation-fertilization-tillage on nutrient loading and crop yield in Ulansuhai watershed based on improved SWAT model. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2022, 34, 1505-1523.	0.3	2
6317	Eutrophication risk assessment of a large reservoir in the Brazilian semiarid region under climate change scenarios. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, .	0.3	4
6318	Impact of Variation in Climatic Parameters on Hydropower Generation: A Case of Hydropower Project in Nepal. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6319	Dynamic Prediction of Effective Runoff Sediment Particle Size for Improved Assessment of Pesticide Mitigation Efficiency with Vegetative Filter Strips. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
6320	Determination and Application of Dynamic Rainfall Threshold for Flash Flood Warning. Springer Water, 2022, , 361-368.	0.2	0
6321	The Sensitivity Analysis and Performance of SWAT+ in Simulation of Stream Flow in a Mountainous Catchment. Environmental Earth Sciences, 2022, , 323-329.	0.1	0
6322	Role of changing land use and land cover (LULC) on the 2018 megafloods over Kerala, India. Climate Research, 2022, 89, 1-14.	0.4	6
6323	Extreme Rainfall-Runo Events Modeling Using HEC-HMS Model for Oued El Hachem Watershed, Northern Algeria. Archives of Hydroengineering and Environmental Mechanics, 2022, 69, 45-57.	0.5	3
6324	Application of RUSLE and MUSLE Models to Assess Erosion Sensitivity of a Sub-watershed Using ArcSWAT Interface. Environmental Science and Engineering, 2022, , 193-238.	0.1	0
6325	Automated catchment scale modelling of hydrological phenomena and water quality. Acta Hydrotechnica, 2022, , 1-18.	0.4	0
6326	Cost-effectiveness analysis of extensive green roofs for urban stormwater control in response to future climate change scenarios. Science of the Total Environment, 2023, 856, 159127.	3.9	5
6327	Improving the accuracy of beef cattle methane inventories in Latin America and Caribbean countries. Science of the Total Environment, 2023, 856, 159128.	3.9	5
6328	Establishing Reservoir Surface Area-Storage Capacity Relationship Using Landsat Imagery. , 2022, , .		0
6329	Realizing Sustainable Development of Yellow River Basin by Horizontal Eco-Compensation Based on Integrated Water Rights (IWRs) Transactions. Water (Switzerland), 2022, 14, 2646.	1.2	1
6330	A Mixed-Level Factorial Inference Approach for Ensemble Long-Term Hydrological Projections over the Jing River Basin. Journal of Hydrometeorology, 2022, 23, 1807-1830.	0.7	3
6331	A Novel EPANET Integration for the Diffusiveâ€“Dispersive Transport of Contaminants. Water (Switzerland), 2022, 14, 2707.	1.2	7
6332	Comparative analysis of water quality prediction performance based on LSTM in the Haihe River Basin, China. Environmental Science and Pollution Research, 2023, 30, 7498-7509.	2.7	16
6333	Effect of Nitrogen on the Viscosity of the Erosive Sediment-Laden Flows. Agronomy, 2022, 12, 2029.	1.3	0
6335	Integrated SWAT-MODFLOW model to study saltwater intrusion in Da Nang coastal city. IOP Conference Series: Earth and Environmental Science, 2022, 1071, 012037.	0.2	0
6336	Hybrid Artificial Intelligence Models with Multi Objective Optimization for Prediction of Tribological Behavior of Polytetrafluoroethylene Matrix Composites. Applied Sciences (Switzerland), 2022, 12, 8671.	1.3	2
6337	A Modified SWAT Model to Simulate Soil Water Content and Soil Temperature in Cold Regions: A Case Study of the South Saskatchewan River Basin in Canada. Sustainability, 2022, 14, 10804.	1.6	10
6338	Evaluating rice yield and adaptation strategies under climate change based on the CSM-CERES-Rice model: a case study for northern Iran. Theoretical and Applied Climatology, 0, , .	1.3	1

#	ARTICLE	IF	CITATIONS
6339	Delineating Variabilities of Groundwater Level Prediction Across the Agriculturally Intensive Transboundary Aquifers of South Asia. ACS ES&T Water, 0, , .	2.3	1
6340	Exploring the factors influencing the hydrological response of soil after low and high-severity fires with post-fire mulching in Mediterranean forests. International Soil and Water Conservation Research, 2023, 11, 169-182.	3.0	9
6341	MODELLING THE PM2.5 CONCENTRATION WITH ARTIFICIAL INTELLIGENCE-BASED ENSEMBLE APPROACH. Trakya University Journal of Natural Sciences, 2022, 23, 153-165.	0.4	0
6343	Impact of Land Use/Land Cover Change on Soil Retention Service: A Case of Agricultural-Urbanized Landscape in Northern Iran. Journal of Landscape Ecology(Czech Republic), 2022, 15, 34-58.	0.2	2
6344	Assessment of Agricultural Water Sufficiency under Climate and Land Use Changes in the Lam Takong River Basin. Water (Switzerland), 2022, 14, 2794.	1.2	1
6345	Evaluation of SEAWAVE€“QEX in a high agricultural intensity catchment in Belgium. Integrated Environmental Assessment and Management, 2023, 19, 513-526.	1.6	1
6346	Changes in the Stability Landscape of a River Basin by Anthropogenic Droughts. Water (Switzerland), 2022, 14, 2835.	1.2	2
6347	Validation and calibration of SWAT model for Kollur River Basin, Kundapura Taluk, Udipi District, Karnataka, India. Acta Geophysica, 2023, 71, 837-853.	1.0	1
6348	Assessment of DRAINMOD-NII model for prediction of nitrogen losses through subsurface drained sandy clay under cultivation in south west Punjab, India. Water Science and Technology: Water Supply, 2022, 22, 7732-7749.	1.0	0
6349	Simulating future flood risks under climate change in the source region of the Indus River. Journal of Flood Risk Management, 2023, 16, .	1.6	10
6350	Modelling climate change impacts at a drinking water reservoir in Turkey and implications for reservoir management in semi-arid regions. Environmental Science and Pollution Research, 2023, 30, 13582-13604.	2.7	3
6351	Bias-correction data of IFS rainfall forecasts for hydrological and hydraulic models to forecast flood events. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
6352	A Multi Criteria Decision Analysis Approach for Regional Climate Model Selection and Future Climate Assessment in the Mono River Basin, Benin and Togo. Atmosphere, 2022, 13, 1471.	1.0	5
6353	Comparison of multi-objective and single objective calibration for SWAT model: a case study on Musi river basin, India. ISH Journal of Hydraulic Engineering, 0, , 1-8.	1.1	0
6355	Suspended sediment load prediction using hybrid bagging-based heuristic search algorithm. Geocarto International, 2024, 37, 17068-17095.	1.7	2
6356	An intelligent soft computing technique for prediction of vehicular traffic noise. Arabian Journal of Geosciences, 2022, 15, .	0.6	6
6357	Imputation of missing monthly rainfall data using machine learning and spatial interpolation approaches in Thale Sap Songkhla River Basin, Thailand. Environmental Science and Pollution Research, 0, , .	2.7	7
6358	The impacts of LULC and climate change scenarios on the hydrology and sediment yield of Rib watershed, Ethiopia. Environmental Monitoring and Assessment, 2022, 194, .	1.3	8

#	ARTICLE	IF	CITATIONS
6359	Individual and Coupled Effects of Future Climate and Land Use Scenarios on Water Balance Components in an Australian Catchment. <i>Atmosphere</i> , 2022, 13, 1428.	1.0	1
6360	Optimal surface water allocation under various scenarios in the Central Rift Valley basin in Ethiopia. <i>Sustainable Water Resources Management</i> , 2022, 8, .	1.0	0
6361	Artificial Neural Networks and Multiple Linear Regression for Filling in Missing Daily Rainfall Data. <i>Water (Switzerland)</i> , 2022, 14, 2892.	1.2	10
6362	Using Deep Learning Algorithms for Intermittent Streamflow Prediction in the Headwaters of the Colorado River, Texas. <i>Water (Switzerland)</i> , 2022, 14, 2972.	1.2	10
6363	Streamflow and Sediment Yield Analysis of Two Medium-Sized East-Flowing River Basins of India. <i>Water (Switzerland)</i> , 2022, 14, 2960.	1.2	4
6364	Evapotranspiration characteristics in extensive green roofs during dry periods: the influences of vegetation treatment, substrate characteristics, and water retention layer. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	1
6365	A Virtual Sensing Concept for Nitrogen and Phosphorus Monitoring Using Machine Learning Techniques. <i>Sensors</i> , 2022, 22, 7338.	2.1	5
6366	Study of climate change impact on hydro-climatic extremes in the Hanjiang River basin, China, using CORDEX-EAS data. <i>Weather and Climate Extremes</i> , 2022, 38, 100509.	1.6	1
6367	Quantifying the Impact of the Billion Tree Afforestation Project (BTAP) on the Water Yield and Sediment Load in the Tarbela Reservoir of Pakistan Using the SWAT Model. <i>Land</i> , 2022, 11, 1650.	1.2	7
6368	Responses of water balance component to land use/land cover and climate change using geospatial and hydrologic modeling in the Gidabo watershed, Ethiopia. <i>Geocarto International</i> , 2024, 37, 17119-17144.	1.7	4
6369	Early Warning and Joint Regulation of Water Quantity and Quality in the Daqing River Basin. <i>Water (Switzerland)</i> , 2022, 14, 3068.	1.2	0
6370	Absence of well-developed floodplains along the lowland rivers and controls of the hydrogeomorphic conditions in the Western Ghat, India. <i>Earth Surface Processes and Landforms</i> , 0, , .	1.2	2
6371	Evaluation of Feed Near-Infrared Reflectance Spectra as Predictors of Methane Emissions from Ruminants. <i>Animals</i> , 2022, 12, 2478.	1.0	1
6372	Evaluating Impact of Land Use and Land Cover Change Under Climate Change on the Lake Marmara System. <i>Water Resources Management</i> , 0, , .	1.9	6
6373	Water availability and response of Tarbela Reservoir under the changing climate in the Upper Indus Basin, Pakistan. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
6374	Effect of LULC data resolution on hydrological and erosion modeling using SWAT model. <i>Modeling Earth Systems and Environment</i> , 2023, 9, 831-846.	1.9	7
6375	Rainfall event-based surface runoff and erosion in small watersheds under dairy and direct seeding grain production. <i>Hydrological Processes</i> , 2022, 36, .	1.1	4
6376	Assessing the Performance of the Satellite-Based Precipitation Products (SPP) in the Data-Sparse Himalayan Terrain. <i>Remote Sensing</i> , 2022, 14, 4810.	1.8	7

#	ARTICLE	IF	CITATIONS
6378	Seasonal Flow Forecasting Using Satellite-Driven Precipitation Data for Awash and Omo-Gibe Basins, Ethiopia. <i>Remote Sensing</i> , 2022, 14, 4518.	1.8	1
6379	A Study on the Optimal Deep Learning Model for Dam Inflow Prediction. <i>Water (Switzerland)</i> , 2022, 14, 2766.	1.2	4
6380	Unsteady flow analysis using hydrological and hydraulic models for real-time flood forecasting in the Vamsadhara river basin. <i>Journal of Hydroinformatics</i> , 2022, 24, 1207-1233.	1.1	4
6381	Assimilative capacity and water quality modeling of rivers: a review. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2022, 71, 1127-1147.	0.6	6
6382	Evaluation of Three Air Temperature Reanalysis Datasets in the Alpine Region of the Qinghai-Tibet Plateau. <i>Remote Sensing</i> , 2022, 14, 4447.	1.8	9
6383	Influence of Land Use Changes on the Longavá-Catchment Hydrology in South-Center Chile. <i>Hydrology</i> , 2022, 9, 169.	1.3	0
6384	Eucalyptus Growth Responses to Soil Water Storage Capacity in Arenosols and Acrisols Soils: Wood and Biomass Stock Modelling. <i>Sustainability</i> , 2022, 14, 12215.	1.6	2
6385	Applying the C-Factor of the RUSLE Model to Improve the Prediction of Suspended Sediment Concentration Using Smart Data-Driven Models. <i>Water (Switzerland)</i> , 2022, 14, 3011.	1.2	4
6386	Regional Reconstruction of Po River Basin (Italy) Streamflow. <i>Hydrology</i> , 2022, 9, 163.	1.3	6
6387	E-DBCM: A dynamically coupled upland and in-stream water quality model for watershed water quality simulation. <i>Frontiers in Water</i> , 0, 4, .	1.0	1
6388	A Consolidation Curve Reproduction Based on Sigmoid Model: Evaluation and Statistical Assessment. <i>Materials</i> , 2022, 15, 6188.	1.3	1
6389	Combined effects of runoff increase and sea level rise on the water exchange and saltwater intrusion for an estuary bay in non-flood season. <i>Hydrological Processes</i> , 2022, 36, .	1.1	2
6390	Base flow simulation using a physically based subsurface model – The case of a tropical basin in the Western Ghats, India. <i>Journal of Hydrology</i> , 2022, 613, 128451.	2.3	2
6391	Spatiotemporal heterogeneity and attributions of streamflow and baseflow changes across the headstreams of the Tarim River Basin, Northwest China. <i>Science of the Total Environment</i> , 2023, 856, 159230.	3.9	4
6392	Desempenho dos Modelos SEBAL e SSEBop na Estimativa da Evapotranspiração do Trigo no Cerrado. <i>Revista Brasileira De Meteorologia</i> , 0, , .	0.2	0
6393	Modeling Glacio-Hydrologic Processes of Beas Within a Distributed, Water and Energy Balance-Based Hydrology Model. <i>Lecture Notes in Civil Engineering</i> , 2023, , 685-706.	0.3	0
6394	Evaluating InVEST model for simulating annual and seasonal water yield in data-scarce regions of the Abbay (Upper Blue Nile) Basin: implications for water resource planners and managers. <i>Sustainable Water Resources Management</i> , 2022, 8, .	1.0	5
6395	SWAT_DA: Sequential Multivariate Data Assimilation-Oriented Modification of SWAT. <i>Water Resources Research</i> , 0, , .	1.7	3

#	ARTICLE	IF	CITATIONS
6396	Glucose Monitoring System using Machine Learning. <i>Materials Today: Proceedings</i> , 2023, 73, 100-107.	0.9	2
6397	Evaluation of ANFIS and Regression Techniques in Estimating Soil Compression Index for Cohesive soils. <i>Engineering Journal</i> , 2022, 28, 28-41.	0.3	0
6398	Hydrodynamic and water quality impacts of water transfer project on regulating reservoir, a case study of Dongzhang reservoir. <i>Journal of Hydrology</i> , 2022, 614, 128494.	2.3	5
6399	Multi-scale impact of climate change and cascade reservoirs on hydrothermal regime alteration in regulated rivers. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101220.	1.0	1
6401	Hydrologic Model for Flooding in Manupali Watershed and Its Implications to Land-Use Policies. , 0, 18, 121-135.		0
6402	Evaluation of SWAT Model for Simulating the Water Balance Components for the Dudh Koshi River Basin in Nepal. <i>Water Science and Technology Library</i> , 2022, , 63-77.	0.2	1
6403	Understanding of Future Water Challenges in a River Basin Under Ensemble of CORDEX Simulated Projections. <i>Disaster Resilience and Green Growth</i> , 2022, , 225-242.	0.2	0
6404	Assessing the impact of land use and land cover changes on the water balances in an urbanized peninsular region of India. <i>Current Directions in Water Scarcity Research</i> , 2022, , 225-242.	0.2	2
6405	Estimation of the Function of a Paddy Field for Reduction of Flood Risk. <i>Water Science and Technology Library</i> , 2022, , 159-177.	0.2	0
6406	Sustaining Water Sources Under Climate Changeâ€™A Regional Scale Approach. <i>Water Science and Technology Library</i> , 2022, , 327-342.	0.2	0
6407	Implications of climate change and drought on water requirements in a semi-mountainous region of the Vietnamese Mekong Delta. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	4
6408	Impact of volatility reduction agents on dicamba and glyphosate spray solution <scp>pH</scp>, droplet dynamics, and weed control. <i>Pest Management Science</i> , 2023, 79, 857-869.	1.7	2
6409	Performance evaluation of univariate time-series techniques for forecasting monthly rainfall data. <i>Journal of Water and Climate Change</i> , 2022, 13, 4151-4176.	1.2	1
6410	Soil Salinity Prediction and Its Severity Mapping Using a Suitable Interpolation Method on Data Collected by Electromagnetic Induction Method. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 10550.	1.3	2
6411	Comparative Analysis of TANK and SimHyd Rainfall-Runoff Models in the Hemavathi Watershed, Cauvery Basin, India. <i>Lecture Notes in Civil Engineering</i> , 2023, , 91-108.	0.3	1
6412	Climate Change Impacts on Soil Erosion and Sediment Delivery to German Federal Waterways: A Case Study of the Elbe Basin. <i>Atmosphere</i> , 2022, 13, 1752.	1.0	3
6413	Estimating Tomato Transpiration Cultivated in a Sunken Solar Greenhouse with the Penman-Monteith, Shuttleworth-Wallace and Priestley-Taylor Models in the North China Plain. <i>Agronomy</i> , 2022, 12, 2382.	1.3	3
6414	Improving hydrologic models for predictions and process understanding using neural ODEs. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 5085-5102.	1.9	17

#	ARTICLE	IF	CITATIONS
6415	Impact of Climate Variability on Streamflow Using Swat Model on Kharun River Basin. Lecture Notes in Civil Engineering, 2023, , 197-211.	0.3	0
6416	Improving the normalization procedure of the simplified standardized precipitation index (SSPI) using Box-Cox transformation. Stochastic Environmental Research and Risk Assessment, 0, , .	1.9	3
6418	Quantifying groundwater phosphorus flux to rivers in a typical agricultural watershed in eastern China. Environmental Science and Pollution Research, 0, , .	2.7	1
6419	Resolving new and old phosphorus source contributions to subsurface tile drainage with weighted regressions on discharge and season (WRDS). Journal of Environmental Quality, 0, , .	1.0	2
6420	Attributing trend in naturalized streamflow to temporally explicit vegetation change and climate variation in the Yellow River basin of China. Hydrology and Earth System Sciences, 2022, 26, 5291-5314.	1.9	1
6421	Investigating SWAT Model Efficiency to Determine Water Balance Components (Case Study: Sungai Tj ETQq1 1 0.784314 rgBT /Overlo	0.3	0
6422	Model-Predicted Control System for the Real-Time Operation of an Urban Drainage System to Mitigate Urban Flood Risk: A Case Study in the Liede River Catchment, Guangzhou, China. International Transactions on Electrical Energy Systems, 2022, 2022, 1-20.	1.2	1
6423	Assessment of Maize Yield Response to Agricultural Management Strategies Using the DSSAT-CERES-Maize Model in Trans Nzoia County in Kenya. International Journal of Plant Production, 2022, 16, 557-577.	1.0	6
6424	Seepage and Groundwater Numerical Modelling for Managing Waterlogging in the Vicinity of the Trimmu-Sidhnai Link Canal. Infrastructures, 2022, 7, 144.	1.4	4
6425	Prediction of soil erosion and sediment transport in a mountainous basin of Taiwan. Progress in Earth and Planetary Science, 2022, 9, .	1.1	7
6426	Assessment of climate change impacts on glacio-hydrological processes and their variations within critical zone. Natural Hazards, 2023, 115, 2721-2748.	1.6	4
6427	Contaminant transport analysis under non-linear sorption in a heterogeneous groundwater system. , 2022, 30, 736-761.		1
6428	Ramifications due to urbanization and climate change on stormwater runoff and conduit efficiency: an integrated water management approach. Journal of Water and Climate Change, 2022, 13, 3951-3976.	1.2	0
6429	Nonparametric Approach to Copula Estimation in Compounding The Joint Impact of Storm Surge and Rainfall Events in Coastal Flood Analysis. Water Resources Management, 2022, 36, 5599-5632.	1.9	7
6430	Stream flow prediction using TIGGE ensemble precipitation forecast data for Sabarmati river basin. Water Science and Technology: Water Supply, 2022, 22, 8317-8336.	1.0	6
6431	Potential Hydrological Impacts of Planting Switchgrass on Marginal Rangelands in South Central Great Plains. Water (Switzerland), 2022, 14, 3087.	1.2	0
6432	Identification of agro-physiological traits of lentil that reduce risks of drought. Frontiers in Plant Science, 0, 13, .	1.7	2
6433	Pre/Post-Fire Soil Erosion and Evaluation of Check-Dams Effectiveness in Mediterranean Suburban Catchments Based on Field Measurements and Modeling. Land, 2022, 11, 1705.	1.2	22

#	ARTICLE	IF	CITATIONS
6434	A process-guided hybrid Bayesian belief network to bridge watershed modeling and BMP planning. <i>Journal of Hydrology</i> , 2022, 614, 128620.	2.3	2
6435	Assessment of Climate Change Impacts on the Water, Food, and Energy Sectors in Sittaung River Basin, Myanmar. <i>Water (Switzerland)</i> , 2022, 14, 3434.	1.2	2
6436	Environmental flow estimation for regulated rivers under data-scarce condition. <i>Journal of Hydrology</i> , 2022, 614, 128569.	2.3	2
6437	Predicting Climate Change Impacts on Water Balance Components of a Mountainous Watershed in the Northeastern USA. <i>Water (Switzerland)</i> , 2022, 14, 3349.	1.2	3
6438	Water footprint analysis for the upper Baitarani River basin, India. <i>Sustainable Water Resources Management</i> , 2022, 8, .	1.0	2
6439	Calibrating a Hydrological Model in an Ungauged Mountain Basin with the Budyko Framework. <i>Water (Switzerland)</i> , 2022, 14, 3112.	1.2	2
6440	Comparison of Calibration Approaches of the Soil and Water Assessment Tool (SWAT) Model in a Tropical Watershed. <i>Hydrology</i> , 2022, 9, 183.	1.3	2
6441	Investigating the effects of climate change on future hydrological drought in mountainous basins using SWAT model based on CMIP5 model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2023, 37, 849-875.	1.9	7
6442	Attribution of climate change and human activities to streamflow variations with a posterior distribution of hydrological simulations. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 5315-5339.	1.9	1
6443	A Physics-Informed Bayesian Storyline Approach to Assess Sediment Transport in the Mekong. <i>Water Resources Research</i> , 2022, 58, .	1.7	4
6444	Calibration, validation, and evaluation of the Water Erosion Prediction Project (WEPP) model for hillslopes with natural runoff plot data. <i>International Soil and Water Conservation Research</i> , 2023, 11, 669-687.	3.0	2
6445	Optimizing Radar-Based Rainfall Estimation Using Machine Learning Models. <i>Remote Sensing</i> , 2022, 14, 5188.	1.8	1
6446	Modeling shallow soil moisture dynamics in mountainous landslide active regions. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	3
6447	Evaluation and sizing of proprietary sedimentation devices for decentralised stormwater treatment. <i>Water Science and Technology</i> , 2022, 86, 2071-2088.	1.2	0
6448	Insights into the mapping of green synthesis conditions for ZnO nanoparticles and their toxicokinetics. <i>Nanomedicine</i> , 2022, 17, 1281-1303.	1.7	4
6449	Assessing non-point source pollution in an apple-dominant basin and associated best fertilizer management based on SWAT modeling. <i>International Soil and Water Conservation Research</i> , 2023, 11, 353-364.	3.0	2
6450	Evaluating the performance of HBV, HEC-HMS and ANN models in simulating streamflow for a data scarce high-humid tropical catchment in Tanzania. <i>Hydrological Sciences Journal</i> , 2022, 67, 2191-2204.	1.2	8
6451	Downscaled Climate Change Projections in Urban Centers of Southwest Ethiopia Using CORDEX Africa Simulations. <i>Climate</i> , 2022, 10, 158.	1.2	5

#	ARTICLE	IF	CITATIONS
6452	Reliability-based stability analysis of large rock slopes with different failure mechanisms using response surface methodology. <i>Environmental Earth Sciences</i> , 2022, 81, .	1.3	4
6453	Assessment of Flood Hazard in Climatic Extreme Considering Fluvio-Morphic Responses of the Contributing River: Indications from the Brahmaputra-Jamuna's Braided-Plain. <i>GeoHazards</i> , 2022, 3, 465-491.	0.8	2
6454	Cross-Examining Precipitation Products by Rain Gauge, Remote Sensing, and WRF Simulations over a South American Region across the Pacific Coast and Andes. <i>Atmosphere</i> , 2022, 13, 1666.	1.0	2
6455	Snow water equivalent prediction in a mountainous area using hybrid bagging machine learning approaches. <i>Acta Geophysica</i> , 2023, 71, 1015-1031.	1.0	3
6456	Impacts of Spatial Interpolation Methods on Daily Streamflow Predictions with SWAT. <i>Water (Switzerland)</i> , 2022, 14, 3340.	1.2	2
6457	Time-Series Deep Learning Models for Reservoir Scheduling Problems Based on LSTM and Wavelet Transformation. <i>Electronics (Switzerland)</i> , 2022, 11, 3222.	1.8	2
6458	Pore network modeling as a new tool for determining gas diffusivity in peat. <i>Biogeosciences</i> , 2022, 19, 5041-5058.	1.3	2
6459	A guideline for spatio-temporal consistency in water quality modelling in rural areas. <i>Hydrological Processes</i> , 2022, 36, .	1.1	0
6460	DoÄŸu Karadeniz Havzası Lokal Meteorolojik DeÄŸiÅŸkenleri ĄŞin Bir ĄİÅŸek Ąndirgeme Uygulaması ve Senaryo Esaslı Ąngörüler. <i>Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers</i> , 2022, 33, 12877-12911.	0.5	1
6461	How much water is stolen by sewers? Estimating watershed-level inflow and infiltration throughout a metropolitan area. <i>Journal of Hydrology</i> , 2022, 614, 128629.	2.3	4
6462	Separating the impact of check dams on runoff from climate and vegetation changes. <i>Journal of Hydrology</i> , 2022, 614, 128565.	2.3	2
6463	An R package of maximum entropy production model to estimate 41 years of global evapotranspiration. <i>Journal of Hydrology</i> , 2022, 614, 128639.	2.3	5
6464	Adaptation measures under the impacts of climate and land-use/land-cover changes using HSPF model simulation: Application to Gongola river basin, Nigeria. <i>Science of the Total Environment</i> , 2023, 858, 159874.	3.9	8
6465	Fine scale hydrologic modelling of bioretention using DRAINMOD-urban: Verifying performance across multiple systems. <i>Journal of Hydrology</i> , 2022, 614, 128571.	2.3	2
6466	Reduced complexity models for regional aquatic habitat suitability assessment. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	0
6467	Climatology and nutrient fluxes in the Tagus estuary: A coupled model application. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 279, 108129.	0.9	1
6468	Model identification and accuracy for estimation of suspended sediment load. <i>Geocarto International</i> , 2024, 37, 18520-18545.	1.7	2
6469	Generalization of an Encoder-Decoder LSTM model for flood prediction in ungauged catchments. <i>Journal of Hydrology</i> , 2022, 614, 128577.	2.3	13

#	ARTICLE	IF	CITATIONS
6470	A framework for attributing runoff changes based on a monthly water balance model: An assessment across China. <i>Journal of Hydrology</i> , 2022, 615, 128606.	2.3	5
6471	Determination of compressive strength of perlite-containing slag-based geopolymers and its prediction using artificial neural network and regression-based methods. <i>Construction and Building Materials</i> , 2022, 359, 129518.	3.2	18
6472	Modeling streamflow in headwater catchments: A data-based mechanistic grounded framework. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101243.	1.0	2
6473	Enteric methane emission models for diverse beef cattle feeding systems in South-east Asia: A meta-analysis. <i>Animal Feed Science and Technology</i> , 2022, 294, 115474.	1.1	4
6474	Evaluation of three gridded potential evapotranspiration datasets for streamflow simulation in three inland river basins in the arid Hexi Corridor, Northwest China. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101234.	1.0	1
6475	Variations in hydrological variables using distributed hydrological model in permafrost environment. <i>Ecological Indicators</i> , 2022, 145, 109609.	2.6	2
6476	Precipitation interpolation, autocorrelation, and predicting spatiotemporal variation in runoff in data sparse regions: Application to Panama. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101252.	1.0	1
6477	Replicating measured site-scale soil organic carbon dynamics in the U.S. Corn Belt using the SWAT-C model. <i>Environmental Modelling and Software</i> , 2022, 158, 105553.	1.9	7
6478	Daily reservoir inflow forecasting using weather forecast downscaling and rainfall-runoff modeling: Application to Urmia Lake basin, Iran. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101228.	1.0	12
6479	Cyber-enabled autocalibration of hydrologic models to support Open Science. <i>Environmental Modelling and Software</i> , 2022, 158, 105561.	1.9	2
6480	Spatiotemporal variations of water conservation function based on EOF analysis at multi time scales under different ecosystems of Heihe River Basin. <i>Journal of Environmental Management</i> , 2023, 325, 116532.	3.8	12
6481	What will the water quality of the Yangtze River be in the future?. <i>Science of the Total Environment</i> , 2023, 857, 159714.	3.9	5
6482	New method for scaling nonpoint source pollution by integrating the SWAT model and IHA-based indicators. <i>Journal of Environmental Management</i> , 2023, 325, 116491.	3.8	3
6483	Dynamic prediction of effective runoff sediment particle size for improved assessment of erosion mitigation efficiency with vegetative filter strips. <i>Science of the Total Environment</i> , 2023, 857, 159572.	3.9	7
6484	Linking hydrological, hydraulic and water quality models for river water environmental capacity assessment. <i>Science of the Total Environment</i> , 2023, 857, 159490.	3.9	5
6485	Modelling climate change impacts on crop production in food insecure regions: The case of Niger. <i>European Journal of Agronomy</i> , 2023, 142, 126667.	1.9	6
6486	Evaluating the impacts of alternative grazing management practices on soil carbon sequestration and soil health indicators. <i>Agriculture, Ecosystems and Environment</i> , 2023, 342, 108234.	2.5	3
6489	Water Quality Management Using Hybrid Machine Learning and Data Mining Algorithms: An Indexing Approach. <i>IEEE Access</i> , 2022, 10, 119692-119705.	2.6	15

#	ARTICLE	IF	CITATIONS
6490	Modelos alométricos para estimar biomasa aérea en bosques secundarios montaños del noroccidente de Ecuador. <i>Caldasia</i> , 2022, 44, 82-94.	0.1	0
6491	Impact of land use land cover changes on flow uncertainty in Siliana watershed of northwestern Tunisia. <i>Catena</i> , 2023, 220, 106733.	2.2	5
6492	Development of a lucerne model in APSIM next generation: 3 Biomass accumulation and partitioning for different fall dormancy ratings. <i>European Journal of Agronomy</i> , 2023, 142, 126665.	1.9	1
6493	Spatiotemporal variability of rainfall erosivity and its teleconnection with atmospheric circulation in monsoon-driven climate region. <i>Catena</i> , 2023, 221, 106762.	2.2	5
6494	S-metolachlor persistence in soil as influenced by within-season and inter-annual herbicide use. <i>Environmental Advances</i> , 2022, 9, 100318.	2.2	5
6495	Nitrogen and phosphorus load estimation of inflow rivers to Yuqiao Reservoir based on GWLF model. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1087, 012016.	0.2	0
6496	Modified Multi-Source Water Supply Module of the SWAT-WARM Model to Simulate Water Resource Responses under Strong Human Activities in the Tang-Bai River Basin. <i>Sustainability</i> , 2022, 14, 15016.	1.6	2
6497	Application of Spatially Distributed Calibrated Hydrological Model in Evapotranspiration Simulation of Three Gorges Reservoir Area of China: A Case Study in the Madu River Basin. <i>Chinese Geographical Science</i> , 2022, 32, 1083-1098.	1.2	1
6498	Effects of Dynamic Land Use/Land Cover Change on Flow and Sediment Yield in a Monsoon-Dominated Tropical Watershed. <i>Water (Switzerland)</i> , 2022, 14, 3666.	1.2	10
6499	Application of integrated AHP-entropy model in suitable site selection for rainwater harvesting structures: a case study of upper Kangsabati basin, India. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	4
6500	Variation of Runoff and Runoff Components of the Lhasa River Basin in the Qinghai-Tibet Plateau under Climate Change. <i>Atmosphere</i> , 2022, 13, 1848.	1.0	4
6501	Assessment of water retention variation and risk warning under climate change in an inner headwater basin in the 21st century. <i>Journal of Hydrology</i> , 2022, 615, 128717.	2.3	8
6502	Evaluating Soil Loss for Identification of Land Risk Area in the Kabe Watershed of Ethiopia. <i>Applied and Environmental Soil Science</i> , 2022, 2022, 1-13.	0.8	2
6503	Application of machine learning ensemble models for rainfall prediction. <i>Acta Geophysica</i> , 2023, 71, 1775-1786.	1.0	1
6504	Designing Watersheds for Integrated Development (DWID): Combining hydrological and economic modeling for optimizing land use change to meet water quality regulations. <i>Water Resources and Economics</i> , 2022, , 100209.	0.9	1
6505	Differentiated Spatial-Temporal Flood Vulnerability and Risk Assessment in Lowland Plains in Eastern Uganda. <i>Hydrology</i> , 2022, 9, 201.	1.3	5
6506	Hydrological Impact Assessment of Future Climate Change on a Complex River Basin of Western Ghats, India. <i>Water (Switzerland)</i> , 2022, 14, 3571.	1.2	8
6507	Flood impact on urban roads and commuting: A case study of Wuhan, China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0

#	ARTICLE	IF	CITATIONS
6508	Assessment of land use/land cover change impact on streamflow: a case study over upper Guder Catchment, Ethiopia. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	7
6509	System Dynamics Modeling in Local Water Management: Assessing Strategies for the City of Boerne, Texas. <i>Water (Switzerland)</i> , 2022, 14, 3682.	1.2	2
6510	Quantitative impacts of climate change and human activities on runoff in the Huolin River catchment. <i>Journal of Water and Climate Change</i> , 2022, 13, 3851-3866.	1.2	1
6511	Short-Term Ensemble Streamflow Prediction Using Spatially Shifted QPF Informed by Displacement Errors. <i>Journal of Hydrometeorology</i> , 2023, 24, 21-34.	0.7	0
6512	Hybrid Convolutional Neural Network-Multilayer Perceptron Model for Solar Radiation Prediction. <i>Cognitive Computation</i> , 2023, 15, 645-671.	3.6	10
6513	Improved river water-stage forecasts by ensemble learning. <i>Engineering With Computers</i> , 2023, 39, 3293-3311.	3.5	1
6514	Estimation of Chlorophyll-a Concentrations in Lanalhue Lake Using Sentinel-2 MSI Satellite Images. <i>Remote Sensing</i> , 2022, 14, 5647.	1.8	8
6515	Bootstrapped ensemble and reliability ensemble averaging approaches for integrated uncertainty analysis of streamflow projections. <i>Stochastic Environmental Research and Risk Assessment</i> , 2023, 37, 1213-1227.	1.9	8
6516	Climate Change Impacts on Runoff in the Fujiang River Basin Based on CMIP6 and SWAT Model. <i>Water (Switzerland)</i> , 2022, 14, 3614.	1.2	5
6517	A hybrid calibration method for improving hydrological systems using ground-based and remotely-sensed observations. <i>Journal of Hydrology</i> , 2022, 615, 128688.	2.3	1
6518	Impact of climate change on future availability of water for irrigation and hydropower generation in the Omo-Gibe Basin of Ethiopia. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101254.	1.0	5
6519	Hydrological response to future climate change in a mountainous watershed in the Northeast of Tibetan Plateau. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101256.	1.0	3
6520	Reference evapotranspiration estimation in hyper-arid regions via D-vine copula based-quantile regression and comparison with empirical approaches and machine learning models. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101259.	1.0	5
6521	An adaptive multi-objective reservoir operation scheme for improved supply-demand management. <i>Journal of Hydrology</i> , 2022, 615, 128718.	2.3	7
6522	Modelling the impact of land use/cover changes on water balance of a humid equatorial highland catchment in Southwestern Uganda, East Africa. <i>African Geographical Review</i> , 2024, 43, 311-332.	0.6	0
6523	Modelling streamflow and phosphorus fluxes in the Lake of the Woods watershed. <i>Journal of Great Lakes Research</i> , 2022, , .	0.8	5
6524	Effect of gravel content on the detachment of colluvial deposits in Benggang. <i>Journal of Mountain Science</i> , 2022, 19, 3088-3104.	0.8	2
6525	Sediment yield in a basin in Brazilian Semiarid Regions: A discussion on positive allometry. <i>Catena</i> , 2023, 221, 106749.	2.2	0

#	ARTICLE	IF	CITATIONS
6526	A review of Soil and Water Assessment Tool (SWAT) studies of Mediterranean catchments: Applications, feasibility, and future directions. <i>Journal of Environmental Management</i> , 2023, 326, 116799.	3.8	28
6527	Mediation effect as the component to ecosystem? Establishing the chain effect framework of ecosystem services across typical karst basin in China. <i>Catena</i> , 2023, 221, 106761.	2.2	6
6529	Explainable Gated Recurrent Unit to explore the effect of co-exposure to multiple air pollutants and meteorological conditions on mental health outcomes. <i>Environment International</i> , 2023, 171, 107689.	4.8	3
6530	Informing the SWAT model with remote sensing detected vegetation phenology for improved modeling of ecohydrological processes. <i>Journal of Hydrology</i> , 2023, 616, 128817.	2.3	11
6531	Modified flood potential index (MFPI) for flood monitoring in terrestrial water storage depletion basin using GRACE estimates. <i>Journal of Hydrology</i> , 2023, 616, 128765.	2.3	8
6532	Tracking snowmelt during hydrological surface processes using a distributed hydrological model in a mesoscale basin on the Tibetan Plateau. <i>Journal of Hydrology</i> , 2023, 616, 128796.	2.3	3
6533	Prediction of water resources change trend in the Three Gorges Reservoir Area under future climate change. <i>Journal of Hydrology</i> , 2023, 617, 128881.	2.3	5
6534	Quantification of global Digital Elevation Model (DEM) – A case study of the newly released NASADEM for a river basin in Central Vietnam. <i>Journal of Hydrology: Regional Studies</i> , 2023, 45, 101282.	1.0	14
6535	A novel time-varying stepwise decomposition ensemble framework for forecasting nonstationary and nonlinear streamflow. <i>Journal of Hydrology</i> , 2023, 617, 128836.	2.3	2
6536	A framework for modelling in-sewer thermal-hydraulic dynamic anomalies driven by stormwater runoff and seasonal effects. <i>Water Research</i> , 2023, 229, 119492.	5.3	1
6537	Objectivity verification experiment of the dynamic system response curve method for streamflow simulation. <i>Journal of Hydrology</i> , 2023, 617, 128969.	2.3	0
6538	Insights into runoff changes in the source region of Yellow River under frozen ground degradation. <i>Journal of Hydrology</i> , 2023, 617, 128892.	2.3	11
6539	Estimation of base and surface flow using deep neural networks and a hydrologic model in two watersheds of the Chesapeake Bay. <i>Journal of Hydrology</i> , 2023, 617, 128916.	2.3	2
6540	Small hydropower development potential in the Densu River Basin, Ghana. <i>Journal of Hydrology: Regional Studies</i> , 2023, 45, 101304.	1.0	2
6541	Watershed model parameter estimation in low data environments. <i>Journal of Hydrology: Regional Studies</i> , 2023, 45, 101306.	1.0	3
6542	Application of regression and artificial neural network analysis of Red-Green-Blue image components in prediction of chlorophyll content in microalgae. <i>Bioresource Technology</i> , 2023, 370, 128503.	4.8	12
6543	Water quality modelling using principal component analysis and artificial neural network. <i>Marine Pollution Bulletin</i> , 2023, 187, 114493.	2.3	14
6544	Water-energy-food nexus in the Yarlung Tsangpo-Brahmaputra River Basin: Impact of mainstream hydropower development. <i>Journal of Hydrology: Regional Studies</i> , 2023, 45, 101293.	1.0	2

#	ARTICLE	IF	CITATIONS
6545	Adapting irrigated agriculture in the Middle Rio Grande to a warm-dry future. <i>Journal of Hydrology: Regional Studies</i> , 2023, 45, 101307.	1.0	2
6546	Spatial-temporal heterogeneity analysis of blue and green water resources for Poyang Lake basin, China. <i>Journal of Hydrology</i> , 2023, 617, 128983.	2.3	10
6547	Real-time streamflow forecasting in a reservoir-regulated river basin using explainable machine learning and conceptual reservoir module. <i>Science of the Total Environment</i> , 2023, 861, 160680.	3.9	20
6548	A novel fully hybrid simulation-optimization approach for enhancing the calibration and verification performance of the TUW hydrological model. <i>Journal of Hydrology</i> , 2023, 617, 128976.	2.3	2
6549	Riparian buffers increase future baseflow and reduce peakflows in a developing watershed. <i>Science of the Total Environment</i> , 2023, 862, 160834.	3.9	4
6550	Improving prediction of chickpea wilt severity using machine learning coupled with model combination techniques under field conditions. <i>Ecological Informatics</i> , 2023, 73, 101933.	2.3	7
6551	Optimisation of urban-rural nature-based solutions for integrated catchment water management. <i>Journal of Environmental Management</i> , 2023, 329, 117045.	3.8	3
6552	Impacts of land use/cover change on water balance by using the SWAT model in a typical loess hilly watershed of China. <i>Geography and Sustainability</i> , 2023, 4, 19-28.	1.9	2
6553	Modeling phosphorus losses to subsurface drainage under tillage and compost management. <i>Soil and Tillage Research</i> , 2023, 227, 105587.	2.6	4
6554	Streamflow simulation using conceptual and neural network models in the Hemavathi sub-watershed, India. <i>Geosystems and Geoenvironment</i> , 2023, 2, 100153.	1.7	6
6555	Assessing intensity-duration-frequency equations and spatialization techniques across the Grande River Basin in the state of Bahia, Brazil. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 27, .	0.5	0
6556	Impact of climate change on the flow of the Doce River basin. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 27, .	0.5	0
6557	Optimization of Channel Outlet in the Coastal Area – Application to Da Nang Bay, Viet Nam. <i>International Journal of Environmental Science and Development</i> , 2022, 13, 246-250.	0.2	1
6558	Physical and numerical modelling of infiltration and runoff in unsaturated exposed soil using a rainfall simulator. <i>Soil Research</i> , 2023, 61, 267-283.	0.6	1
6559	Evaluation of the HBV Hydrological Model Parameters Using Field Observation Data on Experimental Catchments (South of Primorsky Krai). <i>Geography and Natural Resources</i> , 2022, 43, 287-294.	0.1	0
6560	Climate change may neutralize the sediment starvation in mega deltas caused by hydropower dams. , 2022, 4, 100041.		1
6561	Streamflow Composition and the Contradicting Impacts of Anthropogenic Activities and Climatic Change on Streamflow in the Amu Darya Basin, Central Asia. <i>Journal of Hydrometeorology</i> , 2023, 24, 185-201.	0.7	0
6562	Impact of climate change on extreme floods under high-end warming scenario RCP8.5 for the Kabul River Basin in Pakistan. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	0

#	ARTICLE	IF	CITATIONS
6564	Attribution Analysis of Streamflow Changes Based on Large-scale Hydrological Modeling with Uncertainties. <i>Water Resources Management</i> , 2023, 37, 713-730.	1.9	9
6565	Scalable deep learning for watershed model calibration. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
6566	Modelling Floodplain Vegetation Response to Groundwater Variability Using the ArcSWAT Hydrological Model, MODIS NDVI Data, and Machine Learning. <i>Land</i> , 2022, 11, 2154.	1.2	0
6567	Combining radar quantitative precipitation estimates (QPEs) with distributed hydrological model for controlling transit of flash-flood upstream of crowded human habitats in Romania. <i>Natural Hazards</i> , 0, , .	1.6	1
6568	Evaluating the accuracy of gridded water resources reanalysis and evapotranspiration products for assessing water security in poorly gauged basins. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 5899-5916.	1.9	4
6569	Impact of land-use and land-cover change on watershed hydrology: a case study of Mojo watershed, Ethiopia. <i>Environmental Earth Sciences</i> , 2022, 81, .	1.3	1
6570	Evaluation of hydrological impacts of land use/land cover changes of Holota Watershed, Upper Awash Sub-basin, Ethiopia. <i>Journal of Sedimentary Environments</i> , 2023, 8, 39-55.	0.7	1
6571	Improving spatio-temporal precipitation estimates in data scarce river basins: an application of machine learning-based multi-source data merging. <i>Stochastic Environmental Research and Risk Assessment</i> , 0, , .	1.9	0
6572	Hydrological simulation and prediction of soil erosion using the SWAT model in a mountainous watershed: a case study of Murat River Basin, Turkey. <i>Journal of Hydroinformatics</i> , 2022, 24, 1175-1193.	1.1	7
6573	Using the TELEMAC model for analyzing the hydrodynamic regime in the Vam Nao River, Vietnam. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1091, 012016.	0.2	0
6574	Soil Erosion, Sediment Yield, and Runoff Modeling of the Megech Watershed Using the GeoWEPP Model. <i>Hydrology</i> , 2022, 9, 208.	1.3	3
6575	Quantitative assessment of sediment delivery and retention in four watersheds in the Godavari River Basin, India, using InVEST model "an aquatic ecosystem services perspective. <i>Environmental Science and Pollution Research</i> , 2023, 30, 30371-30384.	2.7	2
6576	Verification of PCSWMM's LID processes and their scalability over time and space. <i>Frontiers in Water</i> , 0, 4, .	1.0	1
6577	Reconstruction of Urban Rainfall Measurements to Estimate the Spatiotemporal Variability of Extreme Rainfall. <i>Water (Switzerland)</i> , 2022, 14, 3900.	1.2	2
6578	Evaluating SWAT model for streamflow estimation in the semi-arid Okavango-Omatako catchment, Namibia. <i>African Journal of Environmental Science and Technology</i> , 2022, 16, 385-403.	0.2	1
6579	Sediment yield modeling in Awash Melkasa dam watershed, upper Awash River basin, Ethiopia. <i>Acta Geophysica</i> , 0, , .	1.0	0
6580	Predicting phosphorus and nitrate loads by using SWAT model in Vamanapuram River Basin, Kerala, India. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	10
6581	Modeling the Effectiveness of Sustainable Agricultural Practices in Reducing Sediments and Nutrient Export from a River Basin. <i>Water (Switzerland)</i> , 2022, 14, 3962.	1.2	5

#	ARTICLE	IF	CITATIONS
6582	Spatial and temporal patterns of flow intermittency in a Mediterranean basin using the SWAT+ model. <i>Hydrological Sciences Journal</i> , 2023, 68, 276-289.	1.2	2
6584	Precipitable Water Vapor and Fractional Clear Sky Statistics within the Big Telescope Alt-Azimuthal Region. <i>Remote Sensing</i> , 2022, 14, 6221.	1.8	5
6585	Systemic Management of Water Resources with Environmental and Climate Change Considerations. <i>Water Resources Management</i> , 2023, 37, 2543-2574.	1.9	4
6587	Identification of Time-Varying Parameters of Distributed Hydrological Model in Wei River Basin on Loess Plateau in the Changing Environment. <i>Water (Switzerland)</i> , 2022, 14, 4021.	1.2	4
6588	Maize/soybean strip intercropping enhances crop yield in rain-fed agriculture under the warming climate: a modeling approach. <i>Agronomy for Sustainable Development</i> , 2022, 42, .	2.2	2
6589	Spatio-temporal evaluation of open access precipitation products with rain gauge observations in Nigeria. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	2
6590	Refined revealing the chain path of multiple ecosystem services under diverse environmental factor gradients. <i>Science of the Total Environment</i> , 2023, 865, 161187.	3.9	6
6591	Validaci3n del modelo Metric utilizando im3genes Landsat-8 en Bouteloua gracilis de M3xico. <i>Revista Mexicana De Ciencias Agrícolas</i> , 2022, 13, 1373-1385.	0.0	0
6592	Impact of climate change on hydrological response of Mojo river catchment, Awash river basin, Ethiopia. <i>Geocarto International</i> , 2023, 38, .	1.7	8
6593	Modelling crop production, river low flow, and sediment load trade-offs under agroforestry land-use scenarios in Nyangores catchment, Kenya. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	0
6594	On the simulation of streamflow using hybrid tree-based machine learning models: a case study of Kurkursar basin, Iran. <i>Arabian Journal of Geosciences</i> , 2023, 16, .	0.6	8
6595	Analysis of Climate Change Impacts on Agricultural Water Availability in Cimanuk Watershed, Indonesia. <i>Sustainability</i> , 2022, 14, 16236.	1.6	2
6596	Rainfall and Agro Related Climate Extremes for Water Requirement in Paddy Grown Mahanadi Basin of India. <i>Agricultural Research</i> , 2023, 12, 20-31.	0.9	5
6597	Hydrological Response of Tropical Catchments to Climate Change as Modeled by the GR2M Model: A Case Study in Costa Rica. <i>Sustainability</i> , 2022, 14, 16938.	1.6	3
6598	Performance evaluation of spatial lumped model and spatial distributed travel time model using event based rainfall for hydrological simulation. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	2
6599	Study on water quality simulation and dynamic water environment capacity of Helan County section of the third drainage ditch in Ningxia. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	0
6600	Fertigation Strategies to Improve Water and Nitrogen Use Efficiency in Surface Irrigation System in the North China Plain. <i>Agriculture (Switzerland)</i> , 2023, 13, 17.	1.4	1
6601	2D morphodynamic modelling as a predictive tool for gravel replenishment: the Saint-Sauveur Dam case study. <i>International Journal of River Basin Management</i> , 0, , 1-14.	1.5	0

#	ARTICLE	IF	CITATIONS
6602	Global Evaluation of Runoff Simulation From Climate, Hydrological and Land Surface Models. <i>Water Resources Research</i> , 2023, 59, .	1.7	11
6603	Comparison of machine learning techniques for reservoir outflow forecasting. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 3859-3874.	1.5	4
6604	Recurrent neural networks for rainfall-runoff modeling of small Amazon catchments. <i>Modeling Earth Systems and Environment</i> , 2023, 9, 2517-2531.	1.9	2
6605	Daily Streamflow Forecasting in Mountainous Catchment Using XGBoost, LightGBM and CatBoost. <i>Hydrology</i> , 2022, 9, 226.	1.3	20
6606	Long-Term Nitrogen and Phosphorus Outflow from an Instream Constructed Wetland under Precipitation Variability. <i>Sustainability</i> , 2022, 14, 16500.	1.6	4
6607	Simulation Study on the Effect of Non-Point Source Pollution on Water Quality in the Upper Reaches of the Lijiang River. <i>Water (Switzerland)</i> , 2022, 14, 3995.	1.2	2
6608	A Strategy to Quantify Water Supply of an Agricultural Reservoir for Integrated Water Management Policy. <i>Sustainability</i> , 2022, 14, 16076.	1.6	0
6609	Performance Evaluation of Near-Real-Time Satellite Rainfall Estimates over Three Distinct Climatic Zones in Tropical West-Africa. <i>Environmental Processes</i> , 2022, 9, .	1.7	4
6610	Uncertainty analysis of streamflow simulations using multiple objective functions and Bayesian Model Averaging. <i>Journal of Hydrology</i> , 2023, 617, 128961.	2.3	5
6611	Estimating Chlorophyll-a Concentration from Hyperspectral Data Using Various Machine Learning Techniques: A Case Study at Paldang Dam, South Korea. <i>Water (Switzerland)</i> , 2022, 14, 4080.	1.2	2
6612	Differences in initial abundances reveal divergent dynamic structures in Gause's predator-prey experiments. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	0
6613	A hybrid intelligent model for spatial analysis of groundwater potential around Urmia Lake, Iran. <i>Stochastic Environmental Research and Risk Assessment</i> , 2023, 37, 1821-1838.	1.9	8
6614	Global gridded products efficiency in closing water balance models: various modeling scenarios for behavioral assessments. <i>Acta Geophysica</i> , 0, , .	1.0	3
6615	Lijiang flood characteristics and implication of karst storage through Muskingum flood routing via HEC-HMS, S. China. <i>Hydrology Research</i> , 2022, 53, 1480-1493.	1.1	6
6616	Impact evaluation and analysis at a river basin scale under projected climate and land-use change. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 8907-8922.	1.0	4
6617	Coupled runoff-sediment responses to conservation-based water supply management intervention in the Legedadié-Dire catchments in central Ethiopia: an investigation using SWAT hydrological model. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	2
6618	Integrated assessment of climate change and reservoir operation on flow-regime and fisheries of the Sekong river basin in Lao PDR and Cambodia. <i>Environmental Research</i> , 2023, 220, 115087.	3.7	4
6619	Assessing the right to water of the urban poor in Dhaka city. <i>Geo Journal</i> , 2023, 88, 3183-3204.	1.7	2

#	ARTICLE	IF	CITATIONS
6620	Estimation of Hydraulic Parameters in a Heterogeneous Low-lying Farmland Near Venice. <i>Hydrological Processes</i> , 0, .	1.1	0
6621	Warehouse Drone: Indoor Positioning and Product Counter with Virtual Fiducial Markers. <i>Drones</i> , 2023, 7, 3.	2.7	5
6622	Assessment model of rainwater resource utilization and influencing factors in arid and semiarid areas. <i>Natural Resource Modelling</i> , 0, .	0.8	0
6623	Biomechanical analysis head-“neck injuries against mine falls using a simplified human model. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2022, 47, .	0.8	0
6624	Event-based rainfall-runoff simulation using different precipitation loss methods: case study in tropical monsoon catchment. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	2
6625	Evaluation of Historical Simulations of CMIP6 Models for Temperature and Precipitation in Guatemala. <i>Earth Systems and Environment</i> , 2023, 7, 43-65.	3.0	4
6626	Assessment of satellite precipitation products at different time scales over a cyclone prone coastal river basin in India. <i>Journal of Water and Climate Change</i> , 2023, 14, 38-65.	1.2	4
6627	Trivariate Joint Distribution Modelling of Compound Events Using the Nonparametric D-Vine Copula Developed Based on a Bernstein and Beta Kernel Copula Density Framework. <i>Hydrology</i> , 2022, 9, 221.	1.3	2
6628	Advanced Machine Learning Model for Prediction of Drought Indices using Hybrid SVR-RSM. <i>Water Resources Management</i> , 2023, 37, 683-712.	1.9	17
6629	Assessment of Future Land Use/Land Cover Scenarios on the Hydrology of a Coastal Basin in South-Central Chile. <i>Sustainability</i> , 2022, 14, 16363.	1.6	1
6630	Satellite-based estimation of daily suspended sediment load using hybrid intelligent models. <i>Hydrological Sciences Journal</i> , 2023, 68, 307-324.	1.2	4
6631	Impact of variation in climatic parameters on hydropower generation: A case of hydropower project in Nepal. <i>Heliyon</i> , 2022, 8, e12240.	1.4	1
6632	An Ensemble Hydrologic Modeling System for Runoff and Evapotranspiration Evaluation over an Agricultural Watershed. <i>Journal of the Indian Society of Remote Sensing</i> , 2023, 51, 177-196.	1.2	4
6634	Water Balance Uncertainty of a Hydrologic Model to Lengthy Drought and Storm Events in Managed Forest Catchments, Eastern Australia. <i>Land</i> , 2023, 12, 3.	1.2	0
6635	Prolonged and Severe Drought in the Most Dammed Tributaries of the Lower Mekong Basin. <i>Sustainability</i> , 2022, 14, 16254.	1.6	2
6636	Development and Assessment of Seasonal Rainfall Forecasting Models for the Bani and the Senegal Basins by Identifying the Best Predictive Teleconnection. <i>Remote Sensing</i> , 2022, 14, 6397.	1.8	0
6637	The Evaluation Distribution of Runoff Value on Hydroelectric Potential Change-Based RCPs Scenarios and Soft-Computing: A Case Study. <i>Journal of Electrical Engineering and Technology</i> , 2023, 18, 2551-2565.	1.2	1
6638	Individual and combined impacts of urbanization and climate change on catchment runoff in Southeast Queensland, Australia. <i>Science of the Total Environment</i> , 2023, 861, 160528.	3.9	3

#	ARTICLE	IF	CITATIONS
6639	Combined basin-scale and decentralized flood risk assessment: a methodological approach for preliminary flood risk assessment. <i>Hydrological Sciences Journal</i> , 2023, 68, 355-378.	1.2	4
6640	Optimal Solar Farm Site Selection in the George Town Conurbation Using GIS-Based Multi-Criteria Decision Making (MCDM) and NASA POWER Data. <i>Atmosphere</i> , 2022, 13, 2105.	1.0	6
6641	Multisource remote sensing data facilitate ecohydrological simulations without runoff calibration. <i>Hydrological Processes</i> , 2022, 36, .	1.1	0
6642	Revealing riverbed morphological evolution in river system with complexity: the Vietnam Mekong River case study. <i>Journal of Hydrology</i> , 2022, , 128897.	2.3	1
6643	Modeling the spatial and temporal availability of water resources potential over Abbay river basin, Ethiopia. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101280.	1.0	1
6644	A remote sensing-based method for high-resolution crop water footprint quantification in an irrigation district with complex planting structure. <i>Journal of Hydrology</i> , 2023, 617, 129030.	2.3	5
6645	Evaluation of NASA land information system in prediction stream runoff: case study of Atbara and Blue Nile Sub-Basins. <i>Modeling Earth Systems and Environment</i> , 0, , .	1.9	0
6646	Utilization of Google Earth Engine for Assessment of Daily and Seasonal Variations of TRMM3B43-v7, GPM-v6 and PERSIANN-CDR Data Over the Coastline of Pahang State, Malaysia. <i>Journal of the Indian Society of Remote Sensing</i> , 0, , .	1.2	0
6647	A Decomposition-based Multi-model and Multi-parameter ensemble forecast framework for monthly streamflow forecasting. <i>Journal of Hydrology</i> , 2023, 618, 129083.	2.3	6
6648	Kinetic characterization of a new phenol degrading <i>Acinetobacter towneri</i> strain isolated from landfill leachate treating bioreactor. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	2
6649	Separation and attribution of impacts of changes in land use and climate on hydrological processes. <i>Theoretical and Applied Climatology</i> , 2023, 151, 1337-1353.	1.3	4
6650	Non-parametric severity-duration-frequency analysis of drought based on satellite-based product and model fusion techniques. <i>Environmental Science and Pollution Research</i> , 2023, 30, 42087-42107.	2.7	4
6651	Future hydrological drought changes over the upper Yellow River basin: The role of climate change, land cover change and reservoir operation. <i>Journal of Hydrology</i> , 2023, 617, 129128.	2.3	5
6652	Stochastic Volatility Modeling of Daily Streamflow Time Series. <i>Water Resources Research</i> , 2023, 59, .	1.7	1
6653	Modeling the integrated effects of landuse and climate change on the hydrologic response of Gorganroud watershed in Iran. <i>Theoretical and Applied Climatology</i> , 0, , .	1.3	1
6654	Flood Simulation and Flood Risk Reduction Strategy in Irrigated Areas. <i>Water (Switzerland)</i> , 2023, 15, 192.	1.2	2
6655	High Resolution SnowModel Simulations Reveal Future Elevation-Dependent Snow Loss and Earlier, Flashier Surface Water Input for the Upper Colorado River Basin. <i>Earth's Future</i> , 2023, 11, .	2.4	1
6656	Hydrological Components and Sediment Yield Response to Land Use Land Cover Change in The Ajora-Woybo Watershed of Omo-Gibe Basin, Ethiopia. <i>Air, Soil and Water Research</i> , 2023, 16, 117862212211501.	1.2	4

#	ARTICLE	IF	CITATIONS
6657	Estimation of Runoff and Sediment Yield in Response to Temporal Land Cover Change in Kentucky, USA. Land, 2023, 12, 147.	1.2	1
6658	Exploring the use of multi-gene genetic programming in regional models for the simulation of monthly river runoff series. Stochastic Environmental Research and Risk Assessment, 2023, 37, 1917-1941.	1.9	5
6659	Emergent Scaling of Dissolved Oxygen (DO) in Freshwater Streams Across Contiguous USA. Water Resources Research, 2023, 59, .	1.7	2
6660	Soil erosion modelling of burned and mulched soils following a Mediterranean forest wildfire. Soil Use and Management, 2023, 39, 881-899.	2.6	0
6661	Hydrological modeling of the watershed of a RAMSAR site using the SWAT model (Ichkeul National) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	1
6662	Flood Increase and Drought Mitigation Under a Warming Climate in the Southern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	1.2	2
6663	Statistical evaluation of Jason-2 satellite altimetry products in a trans-boundary river basin; the case study of the White Volta River basin in Ghana. Modeling Earth Systems and Environment, 2023, 9, 2905-2917.	1.9	1
6664	An Improved Monthly Water Balance GR2M Model with a Seasonally Variable Parameter. Journal of Hydrology, 2023, 617, 129127.	2.3	1
6665	Comparison of Nonlinear Reservoir and UH Algorithms for the Hydrological Modeling of a Real Urban Catchment with EPASWMM. Hydrology, 2023, 10, 24.	1.3	3
6666	Strategies to obtain a better quality of environmental data gathered by low cost systems. Environmental Monitoring and Assessment, 2023, 195, .	1.3	0
6667	Water yield and biomass production for on a eucalypt-dominated Mediterranean catchment under different climate scenarios. Journal of Forestry Research, 2023, 34, 1263-1278.	1.7	0
6668	Optimal Design of Groundwater Quality Monitoring Network Using Aquifer Vulnerability Map. Water Resources Management, 2023, 37, 797-818.	1.9	2
6669	Evaluation of soil-vegetation interaction effects on water fluxes revealed by the proxy of model parameter combinations. Environmental Monitoring and Assessment, 2023, 195, .	1.3	0
6670	Addressing data challenges in riverine nutrient load modeling of an intensively managed agro-industrial watershed. Journal of the American Water Resources Association, 2023, 59, 213-225.	1.0	4
6671	Developing a practical model for the optimal operation of wastewater treatment plant considering influent characteristics. Environmental Science and Pollution Research, 2023, 30, 39764-39782.	2.7	3
6672	Climate Change Impacts on the Hydrology of the Brahmaputra River Basin. Climate, 2023, 11, 18.	1.2	5
6673	Groundwater Recharge Estimation in Upper Gelana Watershed, South-Western Main Ethiopian Rift Valley. Sustainability, 2023, 15, 1763.	1.6	3
6674	Quantification of Evapotranspiration by Calculations and Measurements Using a Lysimeter. Water (Switzerland), 2023, 15, 373.	1.2	7

#	ARTICLE	IF	CITATIONS
6675	Factors influencing the spatial and temporal variations of surface runoff coefficient in the Red River basin of Vietnam. <i>Environmental Earth Sciences</i> , 2023, 82, .	1.3	3
6676	Assessment of climate change impacts on the hydrological response of a watershed in the savanna region of sub-Saharan Africa. <i>Theoretical and Applied Climatology</i> , 0, , .	1.3	2
6678	Decision Support Tool for Integrated Water Resources Management Based on GIS, Remote Sensing and SWAT Model: A Case Study in the Upper Part of Dong Nai River Basin, Vietnam. <i>Environmental Science and Engineering</i> , 2023, , 361-388.	0.1	0
6679	Comparison of SWAT and HEC-HMS model performance in simulating catchment runoff. <i>Journal of Applied Water Engineering and Research</i> , 2023, 11, 481-495.	1.0	1
6680	Flood Predictability of One-Way and Two-Way WRF Nesting Coupled Hydrometeorological Flow Simulations in a Transboundary Chenab River Basin, Pakistan. <i>Remote Sensing</i> , 2023, 15, 457.	1.8	3
6681	Spatial relationship between peach tree productivity and soil properties in a newly reclaimed orchard. <i>Soil Science and Plant Nutrition</i> , 0, , 1-15.	0.8	0
6682	Uncertainty analysis for streamflow modeling using multiple optimization algorithms at a data-scarce semi-arid region: AltÄ±napa Reservoir Watershed, Turkey. <i>Stochastic Environmental Research and Risk Assessment</i> , 0, , .	1.9	0
6683	Future climate and its potential impact on the spatial and temporal hydrological regime in the Koshi Basin, Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2023, 45, 101316.	1.0	0
6684	Enhancing robustness of monthly streamflow forecasting model using embedded-feature selection algorithm based on improved gray wolf optimizer. <i>Journal of Hydrology</i> , 2023, 617, 128995.	2.3	14
6685	Development and testing of updated curve number models for efficient runoff estimation in steep-slope watersheds. <i>Journal of Hydrology</i> , 2023, 617, 129049.	2.3	1
6686	A hybrid deep learning model based on feature capture of water level influencing factors and prediction error correction for water level prediction of cascade hydropower stations under multiple time scales. <i>Journal of Hydrology</i> , 2023, 617, 129044.	2.3	3
6687	CalBMP, a web-based modeling tool for evaluating pesticide offsite movement and best management practice scenarios in California agricultural land. <i>Agricultural Water Management</i> , 2023, 277, 108139.	2.4	0
6688	Evaluation of irrigation water saving and salinity control practices of maize and sunflower in the upper Yellow River basin with an agro-hydrological model based method. <i>Agricultural Water Management</i> , 2023, 278, 108157.	2.4	6
6689	SWAT model calibration approaches in an integrated paddy-dominated catchment-command. <i>Agricultural Water Management</i> , 2023, 278, 108138.	2.4	4
6690	Climate and landuse change enhance spatio-temporal variability of Dongjiang river flow and ammonia nitrogen. <i>Science of the Total Environment</i> , 2023, 867, 161483.	3.9	8
6691	Inferences of Groundwater Response to Projected Hydroclimatic Changes in North Florida. <i>Journal of Hydrologic Engineering - ASCE</i> , 2023, 28, .	0.8	0
6692	Early Forecasting Hydrological and Agricultural Droughts in the Bouregreg Basin Using a Machine Learning Approach. <i>Water (Switzerland)</i> , 2023, 15, 122.	1.2	4
6693	Modifiye YaklaÄ±mlarÄ±n Evapotranspirasyon Tahminlerine Etkisi: Van Ä±rneÄ±i. <i>Northwestern Medical Journal</i> , 0, , 973-988.	0.0	0

#	ARTICLE	IF	CITATIONS
6694	Evaluation of the Impact of Changing from Rainfed to Irrigated Agriculture in a Mediterranean Watershed in Spain. <i>Agriculture (Switzerland)</i> , 2023, 13, 106.	1.4	0
6695	The effects of the CO ₂ database on a localized AquaCrop model construction based on a field experiment. <i>Irrigation and Drainage</i> , 0, .	0.8	1
6696	A new technique for flood routing by nonlinear Muskingum model and artificial gorilla troops algorithm. <i>Applied Water Science</i> , 2023, 13, .	2.8	9
6697	Influence of DEM Resolution on the Hydrological Responses of a Terraced Catchment: An Exploratory Modelling Approach. <i>Remote Sensing</i> , 2023, 15, 169.	1.8	6
6698	Simulation of Groundwater Flow Dynamics under Different Stresses Using MODFLOW in Rechna Doab, Pakistan. <i>Sustainability</i> , 2023, 15, 661.	1.6	4
6699	Determining the Future Population of Kahramanmaraş via Multiple Projection Methods. <i>Northwestern Medical Journal</i> , 2022, 37, 1155-1164.	0.0	1
6700	Remote Sensing for Agricultural Water Management in Jordan. <i>Remote Sensing</i> , 2023, 15, 235.	1.8	2
6701	Sustainability of an Open-Loop GWHP System in an Italian Alpine Valley. <i>Sustainability</i> , 2023, 15, 270.	1.6	2
6702	Integrated and Individual Impacts of Land Use Land Cover and Climate Changes on Hydrological Flows over Birr River Watershed, Abbay Basin, Ethiopia. <i>Water (Switzerland)</i> , 2023, 15, 166.	1.2	9
6703	How to build a crop model. A review. <i>Agronomy for Sustainable Development</i> , 2023, 43, .	2.2	4
6704	Impacts of Land Use Types, Soil Properties, and Topography on Baseflow Recharge and Prediction in an Agricultural Watershed. <i>Land</i> , 2023, 12, 109.	1.2	0
6705	Climate Change Impacts on the Seasonal Variation of Hydro-Physical Characteristics in the Persian Gulf. <i>Estuaries and Coasts</i> , 0, .	1.0	0
6706	Bayesian Model Averaging Ensemble Approach for Multi-Time-Ahead Groundwater Level Prediction Combining the GRACE, GLEAM, and GLDAS Data in Arid Areas. <i>Remote Sensing</i> , 2023, 15, 188.	1.8	5
6707	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. <i>Geographies</i> , 2023, 3, 1-18.	0.6	3
6708	AI-based runoff simulation based on remote sensing observations: A case study of two river basins in the United States and Canada. <i>Journal of the American Water Resources Association</i> , 2023, 59, 299-316.	1.0	1
6709	Complementary use of multi-model climate ensemble and Bayesian model averaging for projecting river hydrology in the Himalaya. <i>Environmental Science and Pollution Research</i> , 2023, 30, 38898-38920.	2.7	9
6710	Decadal Changes in Soil Water Storage Characteristics Linked to Forest Management in a Steep Watershed. <i>Water (Switzerland)</i> , 2023, 15, 54.	1.2	1
6711	The Revised Curve Number Rainfall-Runoff Methodology for an Improved Runoff Prediction. <i>Water (Switzerland)</i> , 2023, 15, 491.	1.2	2

#	ARTICLE	IF	CITATIONS
6712	Hydrological Model Evaluation of Ground, GPM IMERG, and CHIRPS precipitation data for Shabelle Basin in Ethiopia. , 2022, , 41-60.		1
6713	Subbasin Spatial Scale Effects on Hydrological Model Prediction Uncertainty of Extreme Stream Flows in the Omo Gibe River Basin, Ethiopia. Remote Sensing, 2023, 15, 611.	1.8	2
6714	A Three-Parameter Hydrological Model for Monthly Runoff Simulation—A Case Study of Upper Hanjiang River Basin. Water (Switzerland), 2023, 15, 474.	1.2	2
6715	The Application of SWAT Model and Remotely Sensed Products to Characterize the Dynamic of Streamflow and Snow in a Mountainous Watershed in the High Atlas. Sensors, 2023, 23, 1246.	2.1	7
6716	Intercomparing LSTM and RNN to a Conceptual Hydrological Model for a Low-Land River with a Focus on the Flow Duration Curve. Water (Switzerland), 2023, 15, 505.	1.2	4
6717	Determining the spatial contributions of land use changes on the streamflow and sediment transport regimes: a case study of the Gorganroud watershed in Iran. Environmental Science and Pollution Research, 0, , .	2.7	1
6718	Impacts of climate change and fruit tree expansion on key hydrological components at different spatial scales. Frontiers in Forests and Global Change, 0, 6, .	1.0	0
6719	Metrics of the water performance engineering modeling. , 2023, , 185-203.		0
6720	Optimization design of quality monitoring network of Urmia plain using genetic algorithm and vulnerability map. Geocarto International, 2023, 38, .	1.7	1
6721	Parameterisation of infiltration models using neural network under simulated hillslope experiments for different land-uses and slopes. Journal of Earth System Science, 2023, 132, .	0.6	2
6722	Application of soft computing techniques for the prediction of splitting tensile strength in bacterial concrete. Journal of Structural Integrity and Maintenance, 2023, 8, 26-35.	0.7	5
6723	Coupled Thorens and Soil Conservation Service Models for Soil Erosion Assessment in a Loess Plateau Watershed, China. Remote Sensing, 2023, 15, 803.	1.8	4
6724	Hybridizing Artificial Intelligence Algorithms for Forecasting of Sediment Load with Multi-Objective Optimization. Water (Switzerland), 2023, 15, 522.	1.2	4
6725	Assessments of the impacts of land use/land cover change on water resources: Tana Sub-Basin, Ethiopia. Journal of Water and Climate Change, 2023, 14, 421-441.	1.2	5
6726	A Qualitative Assessment of River Plumes Coupling SWAT Model Simulations and a Beach Optical Monitoring System. Hydrology, 2023, 10, 38.	1.3	0
6727	Projected Water Scarcity and Hydrological Extremes in the Yellow River Basin in the 21st Century under SSP-RCP Scenarios. Water (Switzerland), 2023, 15, 446.	1.2	4
6728	A comparison of three water discharge forecasting models for monsoon climate region: A case study in cimanuk-jatigede watershed Indonesia. Water Cycle, 2023, 4, 17-25.	2.1	7
6729	Assessing the impacts of large-scale substitution of pressurized irrigation on basin hydrology through a water accounting framework. Irrigation and Drainage, 0, , .	0.8	1

#	ARTICLE	IF	CITATIONS
6730	Preliminary Study on Flood Simulation using the HEC-HMS Model for Muda River, Malaysia. IOP Conference Series: Earth and Environmental Science, 2023, 1135, 012021.	0.2	2
6731	A snow and glacier hydrological model for large catchments – case study for the Naryn River, central Asia. Hydrology and Earth System Sciences, 2023, 27, 453-480.	1.9	2
6732	The Spatiotemporal Characteristics of Wildfires across Australia and Their Connections to Extreme Climate Based on a Combined Hydrological Drought Index. Fire, 2023, 6, 42.	1.2	3
6733	Hydrological modeling of Hasdeo River Basin using HEC-HMS. , 2023, , 33-57.		0
6734	Evaluation of the performance of CFSR reanalysis data set for estimating reference evapotranspiration (ETO) in Turkey. Italian Journal of Agrometeorology, 2023, , 49-61.	0.8	0
6735	Long-term hydrological simulation for the estimation of snowmelt contribution of Alaknanda River Basin, Uttarakhand using SWAT. Journal of Water Supply: Research and Technology - AQUA, 2023, 72, 139-159.	0.6	9
6736	Optimally pruned extreme learning machine: A new nontuned machine learning model for predicting chlorophyll concentration. , 2023, , 299-316.		0
6737	Simulation of Runoff through Improved Precipitation: The Case of Yamzho Yumco Lake in the Tibetan Plateau. Water (Switzerland), 2023, 15, 490.	1.2	4
6738	Mapping of nighttime light trends and refugee population changes in Ukraine during the Russian-Ukrainian War. Frontiers in Environmental Science, 0, 11, .	1.5	2
6739	Dynamic Analysis of Risk to Water Quality in the Baimei Reservoir Conservation Area, Fujian Province, China. Ecosystem Health and Sustainability, 2023, 9, .	0.0	1
6740	Diurnal variation characteristics of thermal structure in a deep reservoir and the effects of selective withdrawal. Journal of Environmental Management, 2023, 333, 117459.	3.8	2
6741	Towards highly economical and accurate wastewater sensors by reduced parts of the LED-visible spectrum. Science of the Total Environment, 2023, 871, 162082.	3.9	2
6742	Reliability analysis of reinforced soil slope stability using GA-ANFIS, RFC, and GMDH soft computing techniques. Case Studies in Construction Materials, 2023, 18, e01898.	0.8	5
6743	Identification of small-scale hydropower potential sites using geographic information system and hydrologic modeling technique: Awata river, Genale Dawa basin, Ethiopia. Energy Reports, 2023, 9, 2405-2419.	2.5	2
6744	Comparing the Runoff Decompositions of Small Experimental Catchments: End-Member Mixing Analysis (EMMA) vs. Hydrological Modelling. Water (Switzerland), 2023, 15, 752.	1.2	1
6745	Modeling Various Drought Time Scales via a Merged Artificial Neural Network with a Firefly Algorithm. Hydrology, 2023, 10, 58.	1.3	29
6746	Deep learning and data fusion to estimate surface soil moisture from multi-sensor satellite images. Scientific Reports, 2023, 13, .	1.6	15
6747	Study on the In-Field Water Balance of Direct-Seeded Rice with Various Irrigation Regimes under Arid Climatic Conditions in Egypt Using the AquaCrop Model. Agronomy, 2023, 13, 609.	1.3	4

#	ARTICLE	IF	CITATIONS
6748	Application of hydrologic and hydraulic methods to calculate the environmental flow requirements of the Chaliyar river. <i>Environmental Earth Sciences</i> , 2023, 82, .	1.3	2
6749	Spatio-temporal rainfall variability and its impacts on the hydrological response of nature-based solutions. <i>Urban Water Journal</i> , 0, , 1-17.	1.0	0
6750	Groundwater sustainability under land-use and land-cover changes. <i>Environmental Earth Sciences</i> , 2023, 82, .	1.3	2
6751	Overview of the Application of Remote Sensing in Effective Monitoring of Water Quality Parameters. <i>Remote Sensing</i> , 2023, 15, 1938.	1.8	22
6753	Identification of watershed priority management areas based on landscape positions: An implementation using SWAT+. <i>Journal of Hydrology</i> , 2023, 619, 129281.	2.3	2
6754	The Future Snow Potential and Snowmelt Runoff of Mesopotamian Water Tower. <i>Sustainability</i> , 2023, 15, 6646.	1.6	1
6755	Hydrological assessment of the Tungabhadra River Basin based on CMIP6 GCMs and multiple hydrological models. <i>Journal of Water and Climate Change</i> , 2023, 14, 1371-1394.	1.2	7
6756	Sources and spatiotemporal distribution characteristics of nitrogen and phosphorus loads in the Haihe River Basin, China. <i>Marine Pollution Bulletin</i> , 2023, 189, 114756.	2.3	1
6757	A Framework for Assessment of Flood Conditions Using Hydrological and Hydrodynamic Modeling Approach. <i>Water (Switzerland)</i> , 2023, 15, 1371.	1.2	0
6758	Analyzing the influence of changes in land use and management practices on the lag time of peak flows for tropical watersheds of Ethiopia. <i>River Research and Applications</i> , 2023, 39, 1148-1159.	0.7	0
6759	Impact assessment of climate change on water resources of the Kokcha watershed: a sub-basin of the Amu Darya river basin in Afghanistan. <i>Journal of Water and Climate Change</i> , 0, , .	1.2	0
6760	Stability of the Stratification of Water Bodies in the North Passage of the Yangtze River Estuary Based on the EFDC Model. <i>Journal of Ocean University of China</i> , 2024, 23, 23-32.	0.6	0
6761	Applicability evaluation of agricultural Best Management Practices to estimate reduction efficiency of suspended solids. <i>Catena</i> , 2023, 225, 107028.	2.2	1
6762	A Multiplicative-Exponential function to correct precipitation for distributed hydrological modeling in Poorly-gauged basins. <i>Journal of Hydrology</i> , 2023, 620, 129393.	2.3	0
6763	Hydrologic responses of single land use urban and forested watersheds and their implications to improving urban drainage design. <i>Journal of Hydrology</i> , 2023, 620, 129430.	2.3	0
6764	Assessment of future eco-hydrological regime and uncertainty under climate changes over an alpine region. <i>Journal of Hydrology</i> , 2023, 620, 129451.	2.3	3
6765	Calibration and Modification of the Hargreavesâ€™ Samani Equation for Estimating Daily Reference Evapotranspiration in Iraq. <i>Journal of Hydrologic Engineering - ASCE</i> , 2023, 28, .	0.8	0
6766	Development and application of a parsimonious statistical model to predict tile flow in minerogenic soils. <i>Agricultural Water Management</i> , 2023, 281, 108244.	2.4	2

#	ARTICLE	IF	CITATIONS
6767	Evaluating soil loss under land use management and extreme rainfall. <i>Journal of Contaminant Hydrology</i> , 2023, 256, 104181.	1.6	1
6768	Enhancing SWAT model with modified method to improve Eco-hydrological simulation in arid region. <i>Journal of Cleaner Production</i> , 2023, 403, 136891.	4.6	5
6769	Peatland dynamics: A review of process-based models and approaches. <i>Science of the Total Environment</i> , 2023, 877, 162890.	3.9	4
6770	Estimating index of sediment connectivity using a smart data-driven model. <i>Journal of Hydrology</i> , 2023, 620, 129467.	2.3	2
6771	Dynamics of Moistube discharge, soil-water redistribution and wetting morphology in response to regulated working pressure heads. <i>Agricultural Water Management</i> , 2023, 282, 108285.	2.4	6
6772	A deep learning-based novel approach to generate continuous daily stream nitrate concentration for nitrate data-sparse watersheds. <i>Science of the Total Environment</i> , 2023, 878, 162930.	3.9	10
6773	Predicting daily streamflow with a novel multi-regime switching ARIMA-MS-GARCH model. <i>Journal of Hydrology: Regional Studies</i> , 2023, 47, 101374.	1.0	1
6774	Assessing impacts of land use/land cover changes on the hydrology of Upper Gilgel Abbay watershed using the SWAT model. <i>Journal of Agriculture and Food Research</i> , 2023, 12, 100535.	1.2	7
6775	Salts dynamics in maize irrigation in the Hetao plateau using static water table lysimeters and HYDRUS-1D with focus on the autumn leaching irrigation. <i>Agricultural Water Management</i> , 2023, 283, 108306.	2.4	7
6776	Practice makes the model: A critical review of stormwater green infrastructure modelling practice. <i>Water Research</i> , 2023, 236, 119958.	5.3	3
6777	Water-energy nexus analysis in an urban water supply system based on a water evaluation and planning model. <i>Journal of Cleaner Production</i> , 2023, 403, 136750.	4.6	4
6778	The conflicts of agricultural water supply and demand under climate change in a typical arid land watershed of Central Asia. <i>Journal of Hydrology: Regional Studies</i> , 2023, 47, 101384.	1.0	5
6779	Detecting the impact of the "Grain for Green" program on land use/land cover and hydrological regimes in a watershed of the Chinese Loess Plateau over the next 30 years. <i>Ecological Indicators</i> , 2023, 150, 110181.	2.6	4
6780	Development, implementation and validation of Sediment Transport and Erosion Prediction (STEP) model. <i>Environmental Modelling and Software</i> , 2023, 164, 105686.	1.9	0
6781	Influence of forest management changes and reuse of peat production areas on water quality in a northern river. <i>Catena</i> , 2023, 226, 107045.	2.2	2
6782	Effectiveness of vegetative filter strips for sediment control from steep construction landscapes. <i>Catena</i> , 2023, 226, 107057.	2.2	0
6783	Application of nested artificial neural network for the prediction of significant wave height. <i>Renewable Energy</i> , 2023, 209, 157-168.	4.3	8
6784	Performance of SWAT Model in Quantitative and Qualitative Simulation of Runoff and Watershed Protective Measures in Zarrinehrood Basin. <i>Journal of Watershed Management Research</i> , 2020, 11, 111-120.	0.0	1

#	ARTICLE	IF	CITATIONS
6785	Identifying Critical Sources and Evaluate the Best Management Practices to Control Nutrient Load of the Dez River Basin Using the SWAT Model. Journal of Watershed Management Research, 2020, 11, 142-154.	0.0	0
6786	Machine-learning- and deep-learning-based streamflow prediction in a hilly catchment for future scenarios using CMIP6 GCM data. Hydrology and Earth System Sciences, 2023, 27, 1047-1075.	1.9	23
6787	Improving the Estimation of Gross Primary Productivity across Global Biomes by Modeling Light Use Efficiency through Machine Learning. Remote Sensing, 2023, 15, 2086.	1.8	1
6788	Ten strategies towards successful calibration of environmental models. Journal of Hydrology, 2023, 620, 129414.	2.3	4
6789	Long-term impacts of ecosystem restoration on saturated hydraulic conductivity in the Loess Plateau. Journal of Hydrology, 2023, 620, 129337.	2.3	3
6790	Inverse estimation of nonpoint source export coefficients for total nitrogen and total phosphorous in the Kako river basin. Journal of Hydrology, 2023, 620, 129395.	2.3	2
6794	Proposing a crop-water-salt production function based on plant response to stem water potential. Agricultural Water Management, 2023, 278, 108162.	2.4	1
6795	Optimizing payment for ecosystem services in a drinking water source watershed by quantifying the supply and demand of soil retention service. Journal of Environmental Management, 2023, 331, 117303.	3.8	0
6796	EVALUATION OF CLIMATE AND FLOW CHANGES IN THE PAST 40 YEARS IN THE OMARU RIVER CATCHMENT USING A DISTRIBUTED HYDROLOGICAL MODEL. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2022, 78, 1_299-1_308.	0.1	0
6797	Optimization and multi-uncertainty analysis of best management practices at the watershed scale: A reliability-level based bayesian network approach. Journal of Environmental Management, 2023, 331, 117280.	3.8	2
6798	A socio-hydrological model for assessing water resource allocation and water environmental regulations in the Maipo River basin. Journal of Hydrology, 2023, 617, 129159.	2.3	4
6799	SIMULATION OF DISPERSION AND SETTLEMENT OF FLOATING LARVAE OF <i>CORBICULA JAPONICA</i> IN LAKE JUSAN. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq1 1 0.784304rgBT /Overlock 10		
6800	AN OPERATION SUPPORTING SYSTEM FOR HYDROELTCTRIC DAMS: LONG AND SHORT TERM ENSEMBLE PREDICTIONS AND ITS APPLICATIONS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
6801	Impacts of vegetation restoration on water resources and carbon sequestration in the mountainous area of Haihe River basin, China. Science of the Total Environment, 2023, 869, 161724.	3.9	8
6802	Thermal structure and hydrodynamic analysis for a new type of flexible temperature-control curtain. Journal of Hydrology, 2023, 618, 129170.	2.3	0
6803	Numerical simulation study of urban hydrological effects under low impact development with a physical experimental basis. Journal of Hydrology, 2023, 618, 129191.	2.3	9
6804	Indicators for evaluation of model performance: irrigation hydraulics applications. Acta Scientiarum - Agronomy, 0, 45, e56300.	0.6	2
6805	Development of reservoir module for a distributed conceptual hydrological model. Acta Geophysica, 0, , .	1.0	0

#	ARTICLE	IF	CITATIONS
6806	Two novel error-updating model frameworks for short-to-medium range streamflow forecasting using bias-corrected rainfall inputs: Development and comparative assessment. <i>Journal of Hydrology</i> , 2023, 618, 129199.	2.3	1
6807	Transformer Based Water Level Prediction in Poyang Lake, China. <i>Water (Switzerland)</i> , 2023, 15, 576.	1.2	4
6808	Applicability comparison of various precipitation products of long-term hydrological simulations and their impact on parameter sensitivity. <i>Journal of Hydrology</i> , 2023, 618, 129187.	2.3	6
6809	Sediment load estimation using a novel regionalization sediment-response similarity method for ungauged catchments. <i>Journal of Hydrology</i> , 2023, 618, 129198.	2.3	1
6810	Modeling Surface Water–Groundwater Interactions: Evidence from Borkena Catchment, Awash River Basin, Ethiopia. <i>Hydrology</i> , 2023, 10, 42.	1.3	2
6811	Assessment of the hydrological and coupled soft computing models, based on different satellite precipitation datasets, to simulate streamflow and sediment load in a mountainous catchment. <i>Journal of Water and Climate Change</i> , 2023, 14, 610-632.	1.2	5
6812	Synergetic Integration of SWAT and Multi-Objective Optimization Algorithms for Evaluating Efficiencies of Agricultural Best Management Practices to Improve Water Quality. <i>Land</i> , 2023, 12, 401.	1.2	3
6813	Modelling daily streamflow in a temporary karst river system: comparing three approaches using the SWAT model. <i>Hydrological Sciences Journal</i> , 2023, 68, 462-473.	1.2	1
6814	Basin Runoff Responses to Climate Change Using a Rainfall-Runoff Hydrological Model in Southeast Australia. <i>Atmosphere</i> , 2023, 14, 306.	1.0	2
6815	A Global Multiscale SPEI Dataset under an Ensemble Approach. <i>Data</i> , 2023, 8, 36.	1.2	1
6816	Water use and soil water balance of Mediterranean tree crops assessed with the SIMDualKc model in orchards of southern Portugal. <i>Agricultural Water Management</i> , 2023, 279, 108209.	2.4	12
6817	Satellite-based long-term spatiotemporal trends of wildfire in the Himalayan vegetation. <i>Natural Hazards</i> , 2023, 116, 3779-3796.	1.6	2
6818	A novel approach to vulnerability assessment for adaptation planning in agriculture: An application to the Lower Bhavani Irrigation Project, India. <i>Climate Services</i> , 2023, 30, 100358.	1.0	0
6819	Modification of the RZWQM2-P model to simulate labile and total phosphorus in an irrigated and manure-amended cropland soil. <i>Computers and Electronics in Agriculture</i> , 2023, 206, 107672.	3.7	1
6820	Prediction of the shear capacity of ultrahigh-performance concrete beams using neural network and genetic algorithm. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
6821	Just Suspended Speed Simulation in Torus Reactor Using Multiple Non-Linear Regression Model. <i>Separations</i> , 2023, 10, 117.	1.1	0
6822	River flow decline across the entire Arkansas River Basin in the 21st century. <i>Journal of Hydrology</i> , 2023, 618, 129253.	2.3	2
6823	Exploring the destination image based on the perspective of tourists's™ expression using machine learning methods combined with PLTS-PT. <i>Soft Computing</i> , 2023, 27, 5537-5552.	2.1	1

#	ARTICLE	IF	CITATIONS
6824	Assessment of the Impacts of Proposed Water Resources Development Projects in Baro-Akobo-Sobat Basin on Nile Inflows at High Aswan Dam. <i>Journal of Hydrology: Regional Studies</i> , 2023, 46, 101335.	1.0	0
6825	Impact of Climate Change on the Hydrological Regimes of the Midstream Section of the Yarlung Tsangpo River Basin Based on SWAT Model. <i>Water (Switzerland)</i> , 2023, 15, 685.	1.2	3
6826	An improved model of shade-affected stream temperature in Soil & Water Assessment Tool. <i>Hydrology and Earth System Sciences</i> , 2023, 27, 739-759.	1.9	0
6827	Simulating daily sediment transport using the Water Quality and Sediment Model (WQSED). <i>Modeling Earth Systems and Environment</i> , 0, , .	1.9	0
6828	Water use characteristics of the artificial forests black locust (<sc><i>Robinia</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td (pseudocarpus). <i>Ecohydrology</i> , 2023, 16, .	1.1	1
6829	Assessing lake ecosystem health from disturbed anthropogenic landscapes: Spatial patterns and driving mechanisms. <i>Ecological Indicators</i> , 2023, 147, 110007.	2.6	2
6830	Investigation of the Hydroelectric Development Potential of Nonpowered Dams: A Case Study of the Buyuk Menderes River Basin. <i>Water (Switzerland)</i> , 2023, 15, 717.	1.2	1
6831	A quantile-based encoder-decoder framework for multi-step ahead runoff forecasting. <i>Journal of Hydrology</i> , 2023, 619, 129269.	2.3	8
6832	Hydrological Modeling of the Kobo-Golina River in the Data-Scarce Upper Danakil Basin, Ethiopia. <i>Sustainability</i> , 2023, 15, 3337.	1.6	3
6833	Evaluating red tide effects on the West Florida Shelf using a spatiotemporal ecosystem modeling framework. <i>Scientific Reports</i> , 2023, 13, .	1.6	6
6834	Quantification of Gridded Precipitation Products for the Streamflow Simulation on the Mekong River Basin Using Rainfall Assessment Framework: A Case Study for the Srepok River Subbasin, Central Highland Vietnam. <i>Remote Sensing</i> , 2023, 15, 1030.	1.8	10
6835	Assessing the Influence of a Bias Correction Method on Future Climate Scenarios Using SWAT as an Impact Model Indicator. <i>Water (Switzerland)</i> , 2023, 15, 750.	1.2	5
6836	Assessing climate change impact on river flow extreme events in different climates of Iran using hybrid application of LARS-WG6 and rainfall-runoff modeling of deep learning. <i>Ecohydrology and Hydrobiology</i> , 2023, 23, 224-239.	1.0	2
6837	The Hydrological Balance in Micro-Watersheds Is Affected by Climate Change and Land Use Changes. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 2503.	1.3	0
6838	Attribution of Streamflow Changes Considering Spatial Contributions and Driver Interactions Based on Hydrological Modeling. <i>Water Resources Management</i> , 2023, 37, 1859-1877.	1.9	6
6839	Uniqueness of India's Northeast with respect to climate change impact: an assessment of streamflow variation in the Gomati River basin. <i>Journal of Water and Climate Change</i> , 2023, 14, 860-877.	1.2	0
6840	Impacts of Best Management Practices on Runoff, Soil Loss, and Sediment Yield in the Megech Watershed, Ethiopia. <i>Water (Switzerland)</i> , 2023, 15, 788.	1.2	0
6841	Investigating adaptive hedging policies for reservoir operation under climate change impacts. <i>Journal of Hydrology</i> , 2023, 619, 129286.	2.3	8

#	ARTICLE	IF	CITATIONS
6843	Sustainable and Cost-Effective Management of Degraded Sub-Watersheds using Ecological Management Practices (EMPs) for Genale Basin, Ethiopia. <i>Journal of Hydrology</i> , 2023, 619, 129289.	2.3	3
6844	The influence of main channel velocity and water depth changes on the hydrodynamic characteristics of lateral water intake in a tidal channel. <i>Water Science and Technology: Water Supply</i> , 2023, 23, 1026-1040.	1.0	0
6845	Performance evaluation of hydrological model in simulating streamflow and water balance analysis: spatiotemporal calibration and validation in the upper Awash sub-basin in Ethiopia. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	1
6846	Hydrological and hydrodynamic reconstruction of a flood event in a poorly monitored basin: a case study in the Rolante River, Brazil. <i>Natural Hazards</i> , 0, , .	1.6	0
6847	Assessing residue and tillage management options for carbon sequestration in future climate change scenarios. <i>Current Research in Environmental Sustainability</i> , 2023, 5, 100210.	1.7	1
6849	Runoff components and the contributions of precipitation and temperature in a highly glacierized river basin in Central Asia. <i>Frontiers of Earth Science</i> , 2023, 17, 361-377.	0.9	1
6850	Potential Impacts of Climate Change on Surface Water Resources in Arid Regions Using Downscaled Regional Circulation Model and Soil Water Assessment Tool, a Case Study of Amman-Zerqa Basin, Jordan. <i>Climate</i> , 2023, 11, 51.	1.2	3
6851	Assessment of Climate Change Impact on Water Balance of Lake Hawassa Catchment. <i>Environmental Processes</i> , 2023, 10, .	1.7	16
6852	Streamflow simulation using Soil and Water Assessment Tool (SWAT): application to Periyar River basin in India. <i>ISH Journal of Hydraulic Engineering</i> , 2023, 29, 332-345.	1.1	2
6853	An integrated water resource management approach for Lake Trasimeno, Italy. <i>Hydrological Sciences Journal</i> , 2023, 68, 630-644.	1.2	0
6854	Trivariate Probabilistic Assessments of the Compound Flooding Events Using the 3-D Fully Nested Archimedean (FNA) Copula in the Semiparametric Distribution Setting. <i>Water Resources Management</i> , 2023, 37, 1641-1693.	1.9	1
6855	Ensemble physically based semi-distributed models for the rainfall-runoff process modeling in the data-scarce Katar catchment, Ethiopia. <i>Journal of Hydroinformatics</i> , 2023, 25, 567-592.	1.1	10
6856	Hydrological modeling using the Soil and Water Assessment Tool in urban and peri-urban environments: the case of Kifisos experimental subbasin (Athens, Greece). <i>Hydrology and Earth System Sciences</i> , 2023, 27, 917-931.	1.9	4
6857	Inter-Seasonal Estimation of Grass Water Content Indicators Using Multisource Remotely Sensed Data Metrics and the Cloud-Computing Google Earth Engine Platform. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3117.	1.3	3
6858	Estimating Soil Hydraulic Parameters during Ponding Infiltration Using a Hybrid Algorithm. <i>Agronomy</i> , 2023, 13, 726.	1.3	1
6859	Considering flood scaling property in multi-objective calibration of the SWAT model: a case study in Zijianguan watershed, Northern China. <i>Natural Hazards</i> , 0, , .	1.6	1
6860	Downscaled compound heatwave and heavy-precipitation analyses for Guangdong, China in the twenty-first century. <i>Climate Dynamics</i> , 2023, 61, 2885-2905.	1.7	6
6862	Assessment of spatio-temporal variation of water balance components by simulating the hydrological processes of a large complex watershed. <i>Environmental Earth Sciences</i> , 2023, 82, .	1.3	1

#	ARTICLE	IF	CITATIONS
6863	Impacts of Ongoing Land-Use Change on Watershed Hydrology and Crop Production Using an Improved SWAT Model. <i>Land</i> , 2023, 12, 591.	1.2	0
6864	Evaluation of AquaCrop and intelligent models in predicting yield and biomass values of wheat. <i>International Journal of Biometeorology</i> , 2023, 67, 621-632.	1.3	2
6865	Prediction of groundwater quality index in the Gaza coastal aquifer using supervised machine learning techniques. <i>Water Practice and Technology</i> , 0, , .	1.0	0
6866	Streamflow Estimation in a Mediterranean Watershed Using Neural Network Models: A Detailed Description of the Implementation and Optimization. <i>Water (Switzerland)</i> , 2023, 15, 947.	1.2	7
6867	A VBA-Based Field Water Balance Model for Efficient Irrigation Water Management of Corn (<i>Zea mays</i>) Tj ETQq0 0 0 ggBT /Overlock 10 T	1.3	0
6868	An appraisal of the NEX-GDDP precipitation dataset across homogeneous precipitation sub-regions of Iran. <i>Theoretical and Applied Climatology</i> , 2023, 152, 347-369.	1.3	1
6869	Wetland soil carbon dioxide emission dynamics with external dissolved organic matter in mid-“high-latitude forested watershed. <i>Agricultural and Forest Meteorology</i> , 2023, 333, 109381.	1.9	1
6870	Increasing Trends in Discharge Maxima of a Mediterranean River during Early Autumn. <i>Water (Switzerland)</i> , 2023, 15, 1022.	1.2	4
6871	Evaluation of land use/land cover datasets in hydrological modelling using the SWAT model. <i>H2Open Journal</i> , 2023, 6, 63-74.	0.8	3
6872	Combining a data-driven approach with seasonal forecast data to predict reservoir water volume in the Mediterranean area. <i>Hydrological Sciences Journal</i> , 2023, 68, 764-781.	1.2	0
6873	Estimaci3n de caudales extremos asociados a un periodo de retorno a partir de la modelaci3n hidrol3gica continua de repon3sticos climatol3gicos del ECMWF en zonas con datos escasos: caso de estudio en el R3o La Silla, Monterrey, M3xico. <i>South Florida Journal of Development</i> , 2023, 4, 396-410.	0.0	0
6874	Evaluating the impacts of inter-basin water transfer projects on ecosystem services in the Fenhe River Basin using the SWAT model. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	2
6875	Wastewater reuse and predicted ecological risk posed by contaminant mixtures in Potomac River watershed streams. <i>Journal of the American Water Resources Association</i> , 2023, 59, 779-802.	1.0	2
6876	Exploring the impacts of climate change and human activities on future runoff variations at the seasonal scale. <i>Journal of Hydrology</i> , 2023, 619, 129382.	2.3	9
6877	CPR Algorithm“ A new interpolation methodology and QGIS plugin for Colour Pattern Regression between aerial images and raster maps. <i>SoftwareX</i> , 2023, 22, 101356.	1.2	0
6878	Impacts of Solar Radiation Management on Hydro-Climatic Extremes in Southeast Asia. <i>Water (Switzerland)</i> , 2023, 15, 1089.	1.2	4
6879	High-Performance Forecasting of Spring Flood in Mountain River Basins with Complex Landscape Structure. <i>Water (Switzerland)</i> , 2023, 15, 1080.	1.2	1
6880	Responses of Runoff and Its Extremes to Climate Change in the Upper Catchment of the Heihe River Basin, China. <i>Atmosphere</i> , 2023, 14, 539.	1.0	2

#	ARTICLE	IF	CITATIONS
6881	Quantifying the Impact of Cascade Reservoirs on Streamflow, Drought, and Flood in the Jinsha River Basin. <i>Sustainability</i> , 2023, 15, 4989.	1.6	3
6882	Investigation of hydrometeorological influences on reservoir releases using explainable machine learning methods. <i>Frontiers in Water</i> , 0, 5, .	1.0	6
6884	Evaluation of Runoff Simulation Using the Global BROOK90-R Model for Three Sub-Basins in TÃ¼rkiye. <i>Sustainability</i> , 2023, 15, 5103.	1.6	1
6885	Improving LSTM hydrological modeling with spatiotemporal deep learning and multi-task learning: A case study of three mountainous areas on the Tibetan Plateau. <i>Journal of Hydrology</i> , 2023, 620, 129401.	2.3	12
6886	Comparison of Size Distribution of Fish Obtained from Gill Netting and the Distributions of Echoes from Hydroacoustics in Lake Dejuny (Poland). <i>Water (Switzerland)</i> , 2023, 15, 1117.	1.2	2
6887	Model of a Period of 10 Days Rainfall in Korea. <i>Journal of Climate Change Research</i> , 2023, 14, 53-66.	0.1	0
6888	Assessment of changes in water conservation capacity under land degradation neutrality effects in a typical watershed of Yellow River Basin, China. <i>Ecological Indicators</i> , 2023, 148, 110145.	2.6	11
6889	A parallel approximate evaluation-based model for multi-objective operation optimization of reservoir group. <i>Swarm and Evolutionary Computation</i> , 2023, 78, 101288.	4.5	2
6890	Projected changes to Northern Hemisphere snow conditions over the period 1950â€“2100, given two emission scenarios. <i>Remote Sensing Applications: Society and Environment</i> , 2023, 30, 100954.	0.8	0
6891	A multi-criteria approach for improving streamflow prediction in a rapidly urbanizing data scarce catchment. <i>International Journal of River Basin Management</i> , 0, , 1-14.	1.5	2
6892	Plant parameterization and APEXgraze model calibration and validation for US land resource region H grazing lands. <i>Agricultural Systems</i> , 2023, 207, 103631.	3.2	3
6893	Analysis of Runoff according to Land-Use Change in the Upper Hutuo River Basin. <i>Water (Switzerland)</i> , 2023, 15, 1138.	1.2	2
6894	Assessing the Implication of Climate Change to Forecast Future Flood Using SWAT and HEC-RAS Model under CMIP5 Climate Projection in Upper Nan Watershed, Thailand. <i>Sustainability</i> , 2023, 15, 5276.	1.6	4
6895	Impacts of Land Cover Change on the Spatial Distribution of Nonpoint Source Pollution Based on SWAT Model. <i>Water (Switzerland)</i> , 2023, 15, 1174.	1.2	3
6896	Quantification of uncertainties in streamflow extremes in the Chaliyar river basin, India under climate change. <i>Theoretical and Applied Climatology</i> , 2023, 152, 435-453.	1.3	0
6897	GIS-based slope-adjusted curve number methods for runoff estimation. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	1
6898	Impacts of extreme climate on nitrogen loss in different forms and pollution risk with the copula model. <i>Journal of Hydrology</i> , 2023, 620, 129412.	2.3	1
6899	Use of Soil Infiltration Capacity and Stream Flow Velocity to Estimate Physical Flood Vulnerability under Land-Use Change Scenarios. <i>Water (Switzerland)</i> , 2023, 15, 1214.	1.2	2

#	ARTICLE	IF	CITATIONS
6900	Impact of climate change on the long-term water balance in the Yarlung Zangbo basin. <i>Frontiers in Earth Science</i> , 0, 11, .	0.8	1
6901	Bioretention Model for Urban Runoff Treatment in a Tropical Climate: A Case Study at the Universiti Sains Malaysia. <i>Journal of Water Management Modeling</i> , 0, , .	0.0	0
6902	Setting an ecological flow regime in a Mediterranean basin with limited data availability: The Locone River case study (S-E Italy). <i>Ecohydrology and Hydrobiology</i> , 2023, 23, 346-360.	1.0	4
6903	Optimizing the Maize Irrigation Strategy and Yield Prediction under Future Climate Scenarios in the Yellow River Delta. <i>Agronomy</i> , 2023, 13, 960.	1.3	4
6904	Flood Defense Standard Estimation Using Machine Learning and Its Representation in Large-scale Flood Hazard Modeling. <i>Water Resources Research</i> , 2023, 59, .	1.7	4
6905	Mermer ve beton atıklar ile iletiletilen bitimsiz saksak karaymların Marshall parametrelerinin incelenmesi ve YSA ile tahmin edilmesi. <i>GAMAYhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi</i> , 0, , .	0.0	0
6906	River Flow Simulation Using SWAT Physically Based Model in Barandouzchay of Urmia Lake River Basin. <i>Journal of Watershed Management Research</i> , 2020, 11, 31-42.	0.0	0
6907	Evaluation of SWAT Model for Simulation of Runoff and Soil Moisture in Doiraj Basin of Ilam Province. <i>Journal of Watershed Management Research</i> , 2021, 12, 180-190.	0.0	0
6908	Evaluating the impacts of sustainable land management practices on water quality in an agricultural catchment in Lower Austria using SWAT. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	0
6909	Modeling future land cover and water quality change in Minneapolis, MN, USA to support drinking water source protection decisions. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	0
6910	Evaluation of Remote Sensing Rainfall Products, Bias Correction and Temporal Disaggregation Approaches, for Improved Accuracy in Hydrologic Simulations. <i>Water Resources Management</i> , 2023, 37, 3069-3092.	1.9	4
6911	Streamflow prediction using machine learning models in selected rivers of Southern India. <i>International Journal of River Basin Management</i> , 0, , 1-27.	1.5	3
6912	Modeling the impacts of best management practices (BMPs) on pollution reduction in the Yarra River catchment, Australia. <i>Applied Water Science</i> , 2023, 13, .	2.8	4
6913	Evaluation of the Impact of Input-Data Resolution on Building-Energy Simulation Accuracy and Computational Load: A Case Study of a Low-Rise Office Building. <i>Buildings</i> , 2023, 13, 861.	1.4	1
6914	Evaluating Methods of Streamflow Timing to Approximate Snowmelt Contribution in High-Elevation Mountain Watersheds. <i>Hydrology</i> , 2023, 10, 75.	1.3	0
6915	A Comparison and Ranking Study of Monthly Average Rainfall Datasets with IMD Gridded Data in India. <i>Sustainability</i> , 2023, 15, 5758.	1.6	2
6916	Intensified regulation of large reservoirs accelerates river ecohydrological regime transition: based on the long-term short-term memory model. <i>Water Science and Technology: Water Supply</i> , 2023, 23, 1641-1657.	1.0	0
6917	Investigation into Recent Temperature and Rainfall Trends in Mali Using Mann-Kendall Trend Test: Case Study of Bamako. <i>Journal of Geoscience and Environment Protection</i> , 2023, 11, 155-172.	0.2	4

#	ARTICLE	IF	CITATIONS
6918	Moringa Oleifera As An Alternative to Conventional Coagulants in Big Data and Data Science Analytics. , 2022, , .		0
6919	Appraisal of Land Cover and Climate Change Impacts on Water Resources: A Case Study of Mohmand Dam Catchment, Pakistan. <i>Water (Switzerland)</i> , 2023, 15, 1313.	1.2	8
6920	Drivers of future streamflow changes in watersheds across the Northeastern United States. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	0
6921	Assessment of Meteorological and Agricultural Drought Indices under Climate Change Scenarios in the South Saskatchewan River Basin, Canada. <i>Sustainability</i> , 2023, 15, 5907.	1.6	2
6922	Reliability analysis of compacted embankment with geocomposite under infiltration. <i>Geosynthetics International</i> , 0, , 1-40.	1.5	1
6923	Instream constructed wetland capacity at controlling phosphorus outflow under a long-term nutrient loading scenario: approach using SWAT model. <i>Modeling Earth Systems and Environment</i> , 0, , .	1.9	0
6924	MODEL PENGELOLAAN LAHAN KRITIS PADA DAERAH ALIRAN SUNGAI KRUENG PEUSANGAN MENGGUNAKAN SISTEM DINAMIK. <i>Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem</i> , 2023, 11, 44-55.	0.1	1
6925	Partitioning and sourcing of evapotranspiration using coupled MARMITES-MODFLOW model, La Mata catchment (Spain). <i>Frontiers in Water</i> , 0, 5, .	1.0	1
6926	Multi-parameter approaches for improved ensemble prediction accuracy in hydrology and water quality modeling. <i>Journal of Hydrology</i> , 2023, 622, 129458.	2.3	7
6927	A Survey on Data-Driven Runoff Forecasting Models Based on Neural Networks. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2023, 7, 1083-1097.	3.4	4
6928	Remotely Sensed Soil Moisture Assimilation in the Distributed Hydrological Model Based on the Error Subspace Transform Kalman Filter. <i>Remote Sensing</i> , 2023, 15, 1852.	1.8	4
6929	Impacts of Climate Change on Hydrological Regimes in the Congo River Basin. <i>Sustainability</i> , 2023, 15, 6066.	1.6	4
6930	Modelling impacts of climate change and anthropogenic activities on inflows and sediment loads of wetlands: case study of the Anzali wetland. <i>Scientific Reports</i> , 2023, 13, .	1.6	45
6931	Using attention-based neural networks for predicting student learning outcomes in service-learning. <i>Education and Information Technologies</i> , 0, , .	3.5	0
6932	Comparative Evaluation of the Performance of SWAT, SWAT+, and APEX Models in Simulating Edge of Field Hydrological Processes. <i>Open Journal of Modelling and Simulation</i> , 2023, 11, 37-49.	0.7	0
6933	Calibration and Evaluation of the WRF-Hydro Model in Simulating the Streamflow over the Arid Regions of Northwest China: A Case Study in Kaidu River Basin. <i>Sustainability</i> , 2023, 15, 6175.	1.6	1
6934	Integrating multi-sensor observations and rainfall-runoff inundation modeling for mapping flood extents over the Nile River basin: example from the 2020 flooding in Sudan. <i>Geocarto International</i> , 2023, 38, .	1.7	1
6935	Evaluating the Effect of Deforestation on Decadal Runoffs in Malaysia Using the Revised Curve Number Rainfall Runoff Approach. <i>Water (Switzerland)</i> , 2023, 15, 1392.	1.2	0

#	ARTICLE	IF	CITATIONS
6936	Improvement of Hargreaves's Samani Reference Evapotranspiration Estimates in the Peruvian Altiplano. <i>Water (Switzerland)</i> , 2023, 15, 1410.	1.2	0
6937	Influência da cobertura/do uso do solo sobre a hidrodinâmica do reservatório da Usina Hidrelétrica de Barra Grande, SC. <i>Engenharia Sanitaria E Ambiental</i> , 0, 28, .	0.1	0
6938	Sets of infiltration models for water infiltration in sustainable urban drainage systems. <i>Journal of Hydrology</i> , 2023, 623, 129477.	2.3	1
6939	Application of the Iber Two-Dimensional Model to Recover the Water Quality in the Lurán River. <i>Hydrology</i> , 2023, 10, 84.	1.3	2
6940	Wetland-based solutions against extreme flood and severe drought: Efficiency evaluation of risk mitigation. <i>Climate Risk Management</i> , 2023, 40, 100505.	1.5	4
6941	Evaluation of hydrological responses to climate change for a data-scarce mountainous watershed in Taiwan. <i>Journal of Water and Climate Change</i> , 2023, 14, 1447-1465.	1.2	1
6942	Model-Based Assessment of Preventive Drought Management Measures' Effect on Droughts Severity. <i>Water (Switzerland)</i> , 2023, 15, 1442.	1.2	0
6943	Assessment of Present and Future Water Security under Anthropogenic and Climate Changes Using WEAP Model in the Vilcanota-Urubamba Catchment, Cusco, Peru. <i>Water (Switzerland)</i> , 2023, 15, 1439.	1.2	1
6944	Assessing the impact of climate change on the hydrology of Gidabo river sub-basin, Ethiopian Rift Valley Lakes Basin. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	1
6945	Determination of Runoff Curve Numbers for the Growing Season Based on the Rainfall-Runoff Relationship from Small Watersheds in the Middle Mountainous Area of Romania. <i>Water (Switzerland)</i> , 2023, 15, 1452.	1.2	0
6946	River discharge prediction using wavelet-based artificial neural network and long short-term memory models: a case study of Teesta River Basin, India. <i>Stochastic Environmental Research and Risk Assessment</i> , 2023, 37, 3163-3184.	1.9	2
6947	Assessment of TRMM rainfall data for flood modelling in three contrasting catchments in Java, Indonesia. <i>Journal of Hydroinformatics</i> , 2023, 25, 797-814.	1.1	3
6948	Sediment yield responses to land use land cover change and developing best management practices in the upper Gidabo dam watershed. <i>Sustainable Water Resources Management</i> , 2023, 9, .	1.0	3
6949	Evaluation of General Circulation Models CMIP6 Performance and Future Climate Change over the Omo River Basin, Ethiopia. <i>Sustainability</i> , 2023, 15, 6507.	1.6	3
6950	Analysis of Detailed Lake Variations and Associated Hydrologic Driving Factors in a Semi-Arid Ungauged Closed Watershed. <i>Sustainability</i> , 2023, 15, 6535.	1.6	2
6951	Novel spatial models for analysis the long-term impact of LULC changes on hydrological components at sub-basin level. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	0
6952	Assessment of Existing Fate and Transport Models for Predicting Antibiotic Degradation and Transport in the Aquatic Environment: A Review. <i>Water (Switzerland)</i> , 2023, 15, 1511.	1.2	2
6953	Spatial Variability of Best Management Practices Effectiveness on Water Quality within the Yazoo River Watershed. <i>Hydrology</i> , 2023, 10, 92.	1.3	0

#	ARTICLE	IF	CITATIONS
6954	Modeling of uncertainty in the estimation of hydrograph components in conjunction with the SUFI-2 optimization algorithm by using multiple objective functions. <i>Modeling Earth Systems and Environment</i> , 2024, 10, 61-79.	1.9	2
6955	The role of physical geography on Puerto Rico's water budget. <i>Journal of Hydrology: Regional Studies</i> , 2023, 47, 101382.	1.0	1
6956	Enteric Methane Emissions Prediction in Dairy Cattle and Effects of Monensin on Methane Emissions: A Meta-Analysis. <i>Animals</i> , 2023, 13, 1392.	1.0	1
6957	Forested watersheds provide the highest water quality among all land cover types, but the benefit of this ecosystem service depends on landscape context. <i>Science of the Total Environment</i> , 2023, 882, 163550.	3.9	0
6958	Comprehensive Treatment for River Pollution in a Coastal City with a Complex River Network: A Case Study in Sanya, China. <i>Sustainability</i> , 2023, 15, 6830.	1.6	1
6959	Evaluating the groundwater recharge requirement and restoration in the Kanari river, India, using SWAT model. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	1
6960	Streamflow Simulation in Semiarid Data-Scarce Regions: A Comparative Study of Distributed and Lumped Models at Aguenza Watershed (Morocco). <i>Water (Switzerland)</i> , 2023, 15, 1602.	1.2	2
6961	Uncertainty quantification of machine learning models to improve streamflow prediction under changing climate and environmental conditions. <i>Frontiers in Water</i> , 0, 5, .	1.0	2
6962	Research Progress and Trend of Agricultural Non-Point Source Pollution from Non-Irrigated Farming Based on Bibliometrics. <i>Water (Switzerland)</i> , 2023, 15, 1610.	1.2	1
6963	Coupling of SWAT and EPIC Models to Investigate the Mutual Feedback Relationship between Vegetation and Soil Erosion, a Case Study in the Huangfuchuan Watershed, China. <i>Forests</i> , 2023, 14, 844.	0.9	1
6964	Development of a knowledge-sharing parallel computing approach for calibrating distributed watershed hydrologic models. <i>Environmental Modelling and Software</i> , 2023, 164, 105708.	1.9	2
6965	Estimating GRACE terrestrial water storage anomaly using an improved point mass solution. <i>Scientific Data</i> , 2023, 10, .	2.4	6
6966	Water quality management at a critical checkpoint by coordinated multi-catchment urban-rural load allocation. <i>Journal of Environmental Management</i> , 2023, 340, 117979.	3.8	0
6967	Water use, soil water balance and soil salinization risks of Mediterranean tree orchards in southern Portugal under current climate variability: Issues for salinity control and irrigation management. <i>Agricultural Water Management</i> , 2023, 283, 108319.	2.4	7
6999	Parameter Estimation of VIC-RAPID Hydrological Model Using Self-adaptive Differential Evolution Algorithm. <i>Algorithms for Intelligent Systems</i> , 2021, , 137-146.	0.5	0
7037	Land use change effect on erosion prediction results using SWAT model in Lisu watershed, South Sulawesi. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
7108	Estimation of River Discharge in Mandovi Basin, Goa. <i>Lecture Notes in Civil Engineering</i> , 2023, , 157-165.	0.3	0
7109	Reservoir Sedimentation Analysis Using SWAT Model. <i>Lecture Notes in Civil Engineering</i> , 2023, , 167-180.	0.3	0

#	ARTICLE	IF	CITATIONS
7110	Comparison of Different Climate Models Projections for Watershed Using Soil and Water Assessment Tool: A Case Study of Middle Tapi Sub-basin. Lecture Notes in Civil Engineering, 2023, , 1-22.	0.3	0
7112	Assessment of Future Land Use Land Cover Change Impacts on Hydrologic Regime of a River Basin. Lecture Notes in Civil Engineering, 2023, , 109-122.	0.3	0
7113	Performance Evaluation of Lumped Conceptual Rainfall-Runoff Genie Rural (GR) Hydrological Models for Streamflow Simulation. Lecture Notes in Civil Engineering, 2023, , 283-292.	0.3	1
7114	The Role of Objective Functions in Assessment of Water Balance Components Using SUFI-2 Algorithm in Semi-arid Basin. Lecture Notes in Civil Engineering, 2023, , 91-107.	0.3	0
7116	Effect of Drainage Area Threshold on Stream Flow Modelling Using Arcswat. Lecture Notes in Civil Engineering, 2023, , 49-64.	0.3	1
7117	Integrated Modeling of the Lower Tapi Basin Using SWAT. Lecture Notes in Civil Engineering, 2023, , 35-47.	0.3	0
7126	SRM-based quantification of snowmelt runoff in the Beas River Basin of the Himalayan region with the aid of MODIS/TERRA snow cover data products. Developments in Environmental Science, 2023, , 277-297.	0.5	0
7136	Utilization of Machine Learning Models and Satellite Data for the Estimation of Total Dissolved Solids in the Colorado River System. , 2023, , .		4
7137	Floodplain Mapping of Ungauged Watershed Using HEC Models and PERSIANN Precipitation. , 2023, , .		0
7155	Mathematical Modeling Principles. , 2023, , 245-310.		0
7162	Estimation of Velocity Index for Flow Calculation in Open Channels Using Geometric and Hydraulic Characteristics. Lecture Notes in Civil Engineering, 2023, , 223-232.	0.3	0
7173	Adapting P-k-C* Model in Mediterranean Climate for Organic Removal Performance in Horizontal Treatment Wetlands. Lecture Notes in Civil Engineering, 2023, , 201-209.	0.3	0
7176	107. PRECISIONPOP: a multi-scale integrated system for hybrid poplar plantation monitoring. , 2023, , .		0
7202	Application of SWAT/MIKE tools for assessment of river water environmental capacity â€œ Ben Tuong â€œ Suoi Tre watershed, Binh Duong. AIP Conference Proceedings, 2023, , .	0.3	0
7273	Future Climate Change Impacts on the Stream Flowâ€”A River Basin Scale Assessment. Lecture Notes in Civil Engineering, 2023, , 203-219.	0.3	0
7274	Role of hydrological modeling in drought assessment. , 2023, , 277-299.		0
7322	Domain-Aware Scalable Distributed Training for Geo-Spatiotemporal Data. , 2023, , .		0
7359	Streamflow Assessment of Mountainous River Basin Using SWAT Model. Lecture Notes in Civil Engineering, 2024, , 1-10.	0.3	0

#	ARTICLE	IF	CITATIONS
7378	Basic Concepts for Predictive Microbiology. , 2023, , 1-30.		0
7448	USE OF COPERNICUS METEOROLOGICAL DATA FOR THE PURPOSES OF HYDROLOGICAL MODELING. , 2023, , .		0
7460	Crack Growth Prediction Models for a Pre-defined Semi-elliptical Crack Embedded in a Cantilever Bar Using Supervised Machine Learning Algorithms. Lecture Notes in Mechanical Engineering, 2024, , 133-149.	0.3	0
7512	Leveraging GNSS tropospheric products for machine learning-based land subsidence prediction. Earth Science Informatics, 2023, 16, 3039-3056.	1.6	1
7537	Application of Satellite Rainfall Images for Rainfall Short-Term Forecast Validation. Springer Proceedings in Earth and Environmental Sciences, 2023, , 195-203.	0.2	0
7644	Bridging the Gap: Advancing Hydrological Modelling for the Maduru Oya River Basin. , 2023, , .		0
7648	Hydrological Modelling Using HEC-HMS and Estimation of the Flood Peak by Gumbel's Method. Disaster Resilience and Green Growth, 2023, , 173-190.	0.2	0
7665	Projecting Spatiotemporal Extent of Hydrological Drought in a North African Watershed: Outlooks on Hydrological Response. Advances in Science, Technology and Innovation, 2023, , 15-18.	0.2	0
7679	Implication of Uncertainty in River Gauged Data and the Rating Curve Representations to Flood Quantiles: Case Studies from Stations Across Peninsular Malaysia. Lecture Notes in Civil Engineering, 2024, , 665-682.	0.3	0
7716	Application of Ant Colony Optimization in Water Resource Management. , 0, , .		0
7730	Machine learning modeling of the wind-erodible fraction of soils. , 2024, , 187-197.		0
7754	Hydrological modeling in land cover - Upstream angostura dam with the use of satellite data. AIP Conference Proceedings, 2024, , .	0.3	0
7822	Comparison of Streamflow Simulations for Different DEMs. Lecture Notes in Civil Engineering, 2024, , 69-78.	0.3	0
7823	Evaluation of the Influence of Land Use and Climate Changes in Runoff Simulation Using Semi-Distributed Hydrological Model. Lecture Notes in Civil Engineering, 2024, , 231-243.	0.3	0
7826	Modeling Daily Streamflow from Idamalayar Catchment Using SWAT. Lecture Notes in Civil Engineering, 2024, , 361-371.	0.3	0
7827	Impact of Climate Change on Streamflow Over Nagavali Basin, India. Lecture Notes in Civil Engineering, 2024, , 299-310.	0.3	0
7871	Reliability Analysis of Clayey Soil Slope Stability Using GMDH and RFC Soft Computing Techniques. Lecture Notes in Civil Engineering, 2024, , 121-131.	0.3	0
7875	ANNs-Based Prediction Models for Consistency and Compaction Characteristics of Bentonite-Sand Mixtures. Advances in Science, Technology and Innovation, 2024, , 71-74.	0.2	0

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