A Review on Hydrological Models

Citation Report

#	Article	IF	Citations
1	Flood Forecasting: A Global Perspective. , 2016, , xxiii-xlix.		20
2	A GISâ€based Upscaling Estimation of Nutrient Runoff Losses from Rice Paddy Fields to a Regional Level. Journal of Environmental Quality, 2016, 45, 1865-1873.	1.0	14
3	Impact of urban development on streamflow regime of a Portuguese peri-urban Mediterranean catchment. Journal of Soils and Sediments, 2016, 16, 2580-2593.	1.5	25
4	Automating drainage direction and physiographic inputs to the CEQUEAU hydrological model: sensitivity testing on the lower Saint John River watershed, Canada. Journal of Hydroinformatics, 2017, 19, 469-492.	1.1	8
5	Evaluating the impact of lower resolutions of digital elevation model on rainfall-runoff modeling for ungauged catchments. Environmental Monitoring and Assessment, 2017, 189, 54.	1.3	21
6	Human factors were dominant drivers of record low streamflow to a surface water irrigation district in the US southern Great Plains. Agricultural Water Management, 2017, 185, 93-104.	2.4	13
7	Representing water scarcity in future agricultural assessments. Anthropocene, 2017, 18, 15-26.	1.6	27
8	Urbanization Development under Climate Change: Hydrological Responses in a Periâ€Urban Mediterranean Catchment. Land Degradation and Development, 2017, 28, 2207-2221.	1.8	59
9	A current precipitation index-based model for continuous daily runoff simulation in seasonally snow covered sub-arctic catchments. Journal of Hydrology, 2017, 545, 182-196.	2.3	6
10	A reliable rainfallâ€"runoff model for flood forecasting: review and application to a semi-urbanized watershed at high flood risk in Italy. Hydrology Research, 2017, 48, 726-740.	1.1	37
11	Suitability of Watershed Models to Predict Distributed Hydrologic Response in the Awramba Watershed in Lake Tana Basin. Land Degradation and Development, 2017, 28, 1386-1397.	1.8	28
12	Assessment of small hydropower potential in the Ciwidey subwatershed, Indonesia: a GIS and hydrological modeling approach. Hydrological Research Letters, 2017, 11, 6-11.	0.3	9
13	Design and analysis of spatial-temporal model using hydrological techniques. , 2017, , .		4
14	Estimating unconsolidated sediment cover thickness by using the horizontal distance to a bedrock outcrop as secondary information. Hydrology and Earth System Sciences, 2017, 21, 4195-4211.	1.9	3
15	Increasing the Accuracy of Runoff and Streamflow Simulation in the Nzoia Basin, Western Kenya, through the Incorporation of Satellite-Derived CHIRPS Data. Water (Switzerland), 2017, 9, 114.	1.2	32
16	Daily Based Morganâ€"Morganâ€"Finney (DMMF) Model: A Spatially Distributed Conceptual Soil Erosion Model to Simulate Complex Soil Surface Configurations. Water (Switzerland), 2017, 9, 278.	1.2	14
17	The Landlab v1.0 OverlandFlow component: a Python tool for computing shallow-water flow across watersheds. Geoscientific Model Development, 2017, 10, 1645-1663.	1.3	40
18	Assessing the impacts of urbanization on hydrological processes in a semi-arid river basin of Maharashtra, India. Modeling Earth Systems and Environment, 2018, 4, 699-728.	1.9	20

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19	Monthly streamflow forecasting based on hidden Markov model and Gaussian Mixture Regression. Journal of Hydrology, 2018, 561, 146-159.	2.3	71
20	Quantifying the combined effects of land use and climate changes on stream flow and nutrient loads: A modelling approach in the Odense Fjord catchment (Denmark). Science of the Total Environment, 2018, 621, 253-264.	3.9	79
22	A framework for incorporating social processes in hydrological models. Current Opinion in Environmental Sustainability, 2018, 33, 42-50.	3.1	18
23	Assessment of models predicting anthropogenic interventions and climate variability on surface runoff of the Lower Zab River. Stochastic Environmental Research and Risk Assessment, 2018, 32, 223-240.	1.9	19
24	Review: Continuous simulation modelling for design flood estimation â€" a South African perspective and recommendations. Water S A, 2018, 44, .	0.2	3
25	Geospatial Analysis for Irrigated Land Assessment, Modeling and Mapping. , 0, , .		2
26	Estimating Fluvial Discharges coincident with 21st Century Coastal Storms Modeled with CoSMoS. Journal of Coastal Research, 2018, 85, 791-795.	0.1	7
27	Assessing the Influence of Vegetation on the Water Budget of Tropical Areas. IFAC-PapersOnLine, 2018, 51, 1-6.	0.5	9
28	Identifying advantages and drawbacks of two hydrological models based on a sensitivity analysis: a study in two Chilean watersheds. Hydrological Sciences Journal, 2018, 63, 1831-1843.	1.2	26
29	A Statistical Approach to Mapping Flood Susceptibility in the Lower Connecticut River Valley Region. Water Resources Research, 2018, 54, 7603-7618.	1.7	27
30	Applying Water Accounting Methods Through Statistical Data and Simulation Models. Advances in Chemical Pollution, Environmental Management and Protection, 2018, 3, 115-146.	0.3	2
31	Streamflow Simulation Using Bayesian Regression with Multivariate Linear Spline to Estimate Future Changes. Water (Switzerland), 2018, 10, 875.	1.2	4
32	Suitability of a lumped rainfallâ€"runoff model for flashy tropical watersheds in New Caledonia. Hydrological Sciences Journal, 2018, 63, 1689-1706.	1.2	10
33	Field simulation of urban surfaces runoff and estimation of runoff with experimental curve numbers. Urban Water Journal, 2018, 15, 418-426.	1.0	9
34	Review of studies on hydrological modelling in Malaysia. Modeling Earth Systems and Environment, 2018, 4, 1577-1605.	1.9	39
35	Evaluation of Freshwater Flow From Rivers to the Sea in CMIP5 Simulations: Insights From the Congo River Basin. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,278.	1.2	9
36	Assessment of the water and energy budget in a peatland catchment of the Alps using the process based GEOtop hydrological model. Journal of Hydrology, 2018, 563, 195-210.	2.3	4
37	An effective storage function model for an urban watershed in terms of hydrograph reproducibility and Akaike information criterion. Journal of Hydrology, 2018, 563, 657-668.	2.3	18

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38	Parameter estimation of SWAT and quantification of consequent confidence bands of model simulations. Environmental Earth Sciences, 2018, 77, 1.	1.3	14
39	Millets for Food Security in the Context of Climate Change: A Review. Sustainability, 2018, 10, 2228.	1.6	84
40	Improved Prediction of Stream Flow Based on Updating Land Cover Maps with Remotely Sensed Forest Change Detection. Forests, 2018, 9, 317.	0.9	8
41	A Hybrid Model for Annual Runoff Time Series Forecasting Using Elman Neural Network with Ensemble Empirical Mode Decomposition. Water (Switzerland), 2018, 10, 416.	1.2	31
42	Simulation of Soil Water Content in Mediterranean Ecosystems by Biogeochemical and Remote Sensing Models. Water (Switzerland), 2018, 10, 665.	1.2	7
43	Hydrological modelling in the anthroposphere: predicting local runoff in a heavily modified high-alpine catchment. Journal of Mountain Science, 2018, 15, 921-938.	0.8	17
44	Decision Making Tool for Sustainable Water Sharing. Water Resources Management, 2018, 32, 4707-4723.	1.9	0
45	Development and testing of a rainfall-runoff model for flood simulation in dry mountain catchments: A case study for the Dez River Basin. Physics and Chemistry of the Earth, 2019, 109, 9-25.	1.2	18
47	Evaluating Hydrological Responses to Urbanization in a Tropical River Basin: A Water Resources Management Perspective. Natural Resources Research, 2019, 28, 327-347.	2.2	26
48	Hydrological Response of Dry Afromontane Forest to Changes in Land Use and Land Cover in Northern Ethiopia. Remote Sensing, 2019, 11, 1905.	1.8	19
49	Assessment of System Responses in Intensively Irrigated Stream–Aquifer Systems Using SWAT-MODFLOW. Water (Switzerland), 2019, 11, 1576.	1.2	30
50	Evaluating high-altitude Ramsar wetlands in the Eastern Himalayas. Global Ecology and Conservation, 2019, 20, e00715.	1.0	15
51	RESEARCH TRENDS IN HYDROLOGICAL MODELLING. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.3	1
52	Impacts of Climate Change and Climate Variability on Hydropower Potential in Data-Scarce Regions Subjected to Multi-Decadal Variability. Energies, 2019, 12, 2747.	1.6	26
53	Assessing the performance of global hydrological models for capturing peak river flows in the Amazon basin. Hydrology and Earth System Sciences, 2019, 23, 3057-3080.	1.9	79
54	A Taxonomy of Event Prediction Methods. Lecture Notes in Computer Science, 2019, , 12-26.	1.0	3
55	An overview of climate change and variability impact studies in Nigeria. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	1
56	Application of Export Coefficient Model and QUAL2K for Water Environmental Management in a Rural Watershed. Sustainability, 2019, 11, 6022.	1.6	18

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57	Optimization of the Multi-Start Strategy of a Direct-Search Algorithm for the Calibration of Rainfallâ€"Runoff Models for Water-Resource Assessment. Water (Switzerland), 2019, 11, 1876.	1.2	12
58	Multicriteria assessment framework of flood events simulated with vertically mixed runoff model in semiarid catchments in the middle Yellow River. Natural Hazards and Earth System Sciences, 2019, 19, 2027-2037.	1.5	12
59	Development of an integrated flood hazard assessment model for a complex river system: a case study of the Mun River Basin, Thailand. Modeling Earth Systems and Environment, 2019, 5, 1265-1281.	1.9	17
60	Application of SAC-SMA and IPH II hydrological models in the Teles Pires River basin, Brazil. Revista Brasileira De Recursos Hidricos, 2019, 24, .	0.5	2
61	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
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68	A Statisticalâ€"Distributed Model of Average Annual Runoff for Water Resources Assessment in DPR Korea. Water (Switzerland), 2019, 11, 965.	1.2	5
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